



NIKON FULL LINE
PRODUCT GUIDE

COMBINED
NAS/NCP
DEALER VERSION

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WELCOME TO THE WORLD'S GREATEST PICTURES

This Nikon Product Guide was created to help you select your Nikon camera and accessories. Throughout you'll find complete product information, photo tips and actual descriptions of how some of America's most famous photographers use Nikon equipment every day.

In addition to this guide, other Nikon brochures are available on individual cameras, lenses, accessories, close-up equipment and speedlights.

The final pages of this guide tell you how to obtain Nikon service, attend a Nikon School session near you, subscribe to Nikon World magazine, or send away for copies of Nikon School video learning cassettes.

We and your Nikon Advanced Systems or Consumer Products Dealer want you to make the world's greatest pictures. Let us know how we can help.

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Call Nikon at 1-800-NIKON-US
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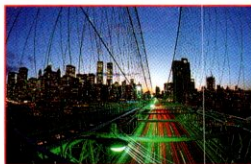
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WHAT YOU'LL FIND INSIDE

Introduction	2
Advanced Cameras with Dedicated Accessories	
F4S	4
F3HP & F3/T	9
N90	13
N8008s	17
N6006	20
N6000	21
N50	23
FM2N	25
35Ti	27
35mm Lenses	
Construction and Performance	29
Fisheye	31
Ultra Wide-angle	31
Wide-angle	32
Normal	33
Telephoto	34
Reflex	35
Zoom	36
Specialty	37
Micro-Nikkor	39
Special Feature: Building Your Nikon System	41
35mm Lens Accessories	
Teleconverters	43
Lens Hoods	45
Lens Caps	45
Filters	46
Focusing Screens and Viewfinder Accessories	48
Camera Cases and Lens Cases	49, 50
Lenses for Large Format Cameras	51
EL Nikkor Enlarging Lenses	52
Speedlights	
SB-11, SB-14, SB-16A&B, SB-20, SB-21A&B, SB-23, SB-25, SB-140	53
Flash Compatibility Chart	60
Close-up	
Complete listing of products and accessories	61
Remote Control	
Cables, wireless, Intervalometer	64
Miscellaneous SLR Accessories	
Miscellaneous SLR Accessories	65
SLR Features and Specifications Chart	66
Compact Cameras	
Complete listing with features chart	68
Underwater	
Partial listing of cameras and accessories	72
Sunglasses	
Overview of styles, features	77
Binoculars	
Complete listing	79
Nikon Services and Offerings	
Nikon World, Nikon School, Video Series	83
Suggested List Prices	85
Index	91



THE NIKON DIFFERENCE

Why is Nikon the choice of photographers everywhere?

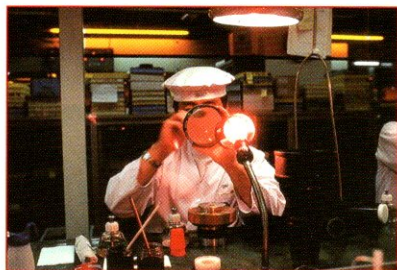
Why is Nikon NASA's choice for out-of-this-world photography?

Why does "Nikon" instantly bring to mind quality, innovation and remarkable photographs?

The answer is you. For over 30 years, you have helped Nikon set the standards for 35mm photography. Today, Nikon cameras, lenses and accessories continue to be designed to accomplish one thing — satisfy your passion for making great photographs.



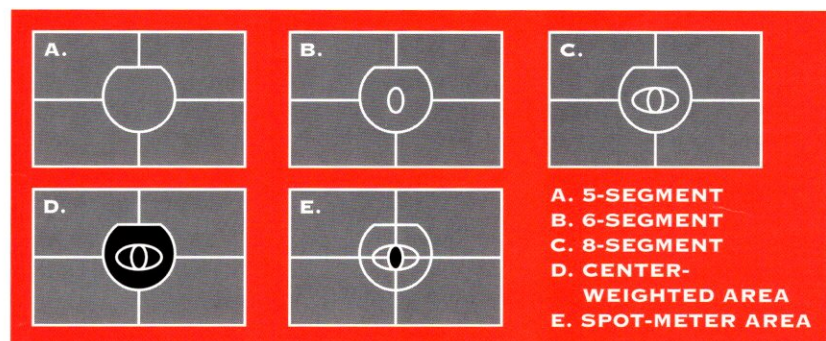
THE CLEAR DIFFERENCE — NIKON OPTICS



One of the most important parts of any camera is the optics through which light passes. Impurities or manufacturing defects can lead to unimpressive photographic results. That's why Nikon manufactures its own optical glass. It's your assurance that every piece of Nikon glass conforms to exacting Nikon quality standards.

ADVANCED METERING SYSTEMS

Nikon pioneered and continues to lead in the area of multi-pattern or "matrix" light metering. Working almost as you would, the system breaks the scene down into individual segments.



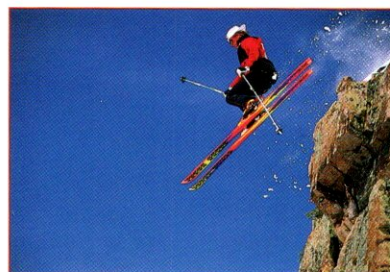
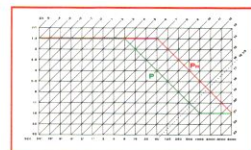
Unlike many other metering systems, Nikon systems evaluate the segments for both brightness and contrast. Then, employing fuzzy logic, proper exposure is determined. You can also select center-weighted metering for portraits or other photographs, or spot-weighted metering to concentrate your exposure in a tiny area of the viewfinder.

AUTOMATIC AND MANUAL EXPOSURE MODES

Almost all Nikon advanced cameras feature four exposure modes.

Programmed Mode This mode determines both aperture and shutter speed. It follows one or more program curves designed to avoid camera shake, and adjusts automatically for the focal length of the lens. With most Nikon advanced cameras, you can even adjust the program, using Flexible Program, to produce exactly the kind of photos you want.

Aperture Priority With this mode, you set the desired aperture while the camera sets the shutter speed. Smaller aperture settings, such as f/11 and f/16 offer greater depth-of-field. Wider



settings, such as f/2.8 and f/4 offer shallower depth-of-field, making your subject stand out from the background.

Shutter Priority You determine the shutter speed while the camera automatically sets the aperture. Create a feeling of movement with lower shutter speeds, or freeze the action with higher speeds.

Manual You determine the aperture. You determine the shutter speed. Create exactly the effect you're looking for, based on your own experience and expertise.

Exposure Lock With many Nikon advanced SLRs, a flip of a switch locks the exposure. The system then memorizes the exposure value for the scene, allowing you to recompose the photograph any way you like.

Exposure Compensation Dial Depending on camera model, compensate your exposures within a range of + or -5 EV in 1/3 steps. Make your photographs lighter or darker, to meet your specific objectives.

HIGH SPEED MOTOR DRIVE

Driving your camera is Nikon's motorized film advance. Depending upon your camera model, use single-frame advance, low-speed film advance (about three frames per second), or high-speed film advance (about five frames per second).

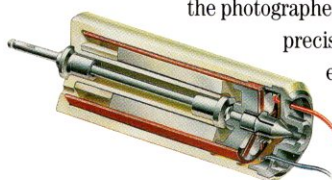
ADVANCED AUTOFOCUS WITH EXCLUSIVE FOCUS TRACKING

Incorporating high-speed coreless motors and advanced AF sensor modules, Nikon's advanced cameras can focus automatically in light as dim as one candle.

Choose single-servo autofocus, or choose continuous autofocus where the camera focuses and refocuses automatically as your subject moves or changes position.

In either mode, take advantage of Nikon's revolutionary focus-tracking.

NIKON'S EXCLUSIVE FOCUS TRACKING ANTICIPATES THE SUBJECT'S PRECISE POSITION AT THE MOMENT OF EXPOSURE.

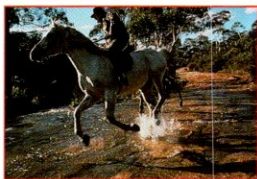
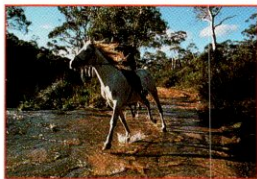
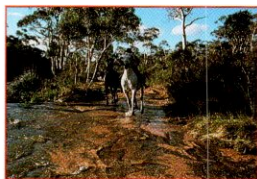


CORELESS MOTOR

With focus tracking, once the subject is moving towards the photographer, the camera anticipates its precise position at the moment of exposure. The system tracks the subject, calculating its final position between the time you press the shutter release and the time the exposure actually takes place.

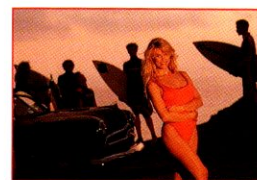
MANUAL FOCUS WITH ELECTRONIC RANGEFINDER

When manually focusing, Nikon advanced AF cameras help you focus with a precision electronic rangefinder. Illuminated arrows guide you to exact focus, confirmed by a visible indicator.



FLASH OF BRILLIANCE

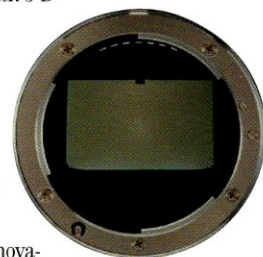
Almost everyone wants photos that combine ambient light with light from the flash. That's because photos like these are truly unusual. Especially when taken at the slow flash sync speeds that Nikon advanced cameras are capable of (be sure to see the Brett Froomer and John Huett examples that appear in this guide). Nikon continues to lead in the area of flash photography with an array of Speedlights and a technology called matrix-balanced fill-flash. This through-the-lens system (TTL) uses matrix metering to evaluate the scene's available light. It then controls the flash to provide just enough light to illuminate the subject, while balancing the shot with a properly exposed background. The result is flash pictures like you've never seen before, in situations you might never have thought possible. Nikon's N90 and new N50 and 35Ti cameras advance this technology even further with 3-D matrix balanced fill-flash.



MATRIX-BALANCED FILL-FLASH SHOTS LOOK ALMOST AS IF FLASH HASN'T BEEN USED AT ALL. WHEN USED WITH SLOW SHUTTER SPEEDS, THE RESULTS CAN BE STUNNING.

PATH TO THE FUTURE

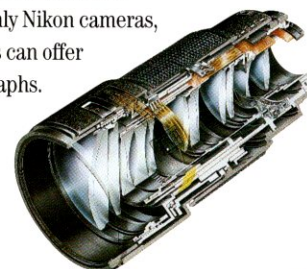
Nikon's famous F lens mount means your camera is compatible with literally hundreds of Nikon lenses. And, as Nikon innovation continues, your investment in Nikon quality continues to pay off with future system compatibility.



NIKON'S FAMOUS F LENS MOUNT MAKES OBSOLETE OBSOLETE.

RENOWNED CONSTRUCTION AND MATERIALS

Nikon products are built to last. But to say they are simply "rugged" misses the point. When you use Nikon equipment, full-compatibility in terms of materials, alignment, optics, color consistency, electronics and overall performance is assured. Only Nikon cameras, equipment and accessories can offer true Nikon-quality photographs.



F4s

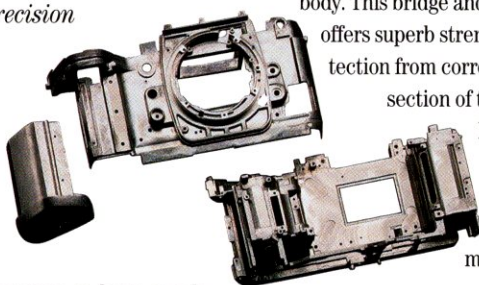
THE CHOICE OF PROFESSIONAL PHOTOGRAPHERS EVERYWHERE

Say the words "professional photography" and you'll literally be saying "Nikon F4s." The choice of professional photographers everywhere, the F4s epitomizes the combination of reliability and performance that professionals demand. Superb design, rugged construction, precision operation and the features professionals want most, have made this camera the acknowledged standard of 35mm photography throughout the world.



SUPERIOR CONSTRUCTION

Famous for its reliable performance, the F4s starts with a solid aluminum alloy, die-cast body. This bridge and hollow-wall design offers superb strength, rigidity and protection from corrosion. The mounting section of the standard Multi-Meter Finder and the interchangeable hand grip have also been die-cast for maximum strength.



SHOCK ABSORBING EXTERIOR

In case of an accident, the rubber compound exterior covering of the F4s literally transforms itself to absorb shock. It then instantly regains its original shape. There's less chance of external or internal damage to the camera.

OUTSTANDING INTRUSION RESISTANCE

The entire body and every lever and dial of the F4s has been designed to resist intrusion by moisture or dust. This camera has proven itself in virtually every environment on (and off) the Earth.



VERTICAL TRAVEL SHUTTER

Designed and built by Nikon, the F4s's electromagnetically controlled, vertical-travel focal plane shutter enables super-fast operation up to 1/8000 sec. and 1/250 sec. flash sync. Four of the shutter's eight blades employ special epoxy plates with carbon fibers. The others are composed of aluminum alloy. All this means literally thousands of consistent exposures under intensive professional use.

TUNGSTEN ALLOY SHUTTER BALANCER

This Nikon innovation ensures quick and efficient shutter curtain travel by absorbing vibrations which might blur pictures. Additionally, an efficient shutter braking system protects against shutter bounce.



THE ANTI-DIRECTIONAL MOVEMENT OF THE SHUTTER BALANCER ABSORBS VIBRATION CAUSED BY SHUTTER-CURTAIN TRAVEL. YOUR PICTURES ARE SHARPER.

DUAL CURTAIN SHUTTER ASSEMBLY

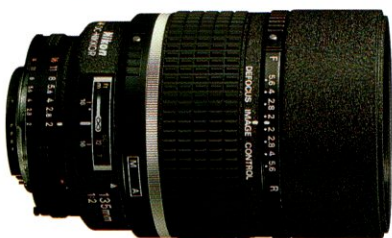
In ordinary cameras with vertical-travel, focal-plane shutters, the film plane is covered by one multi-blade shutter curtain.



With the Nikon F4s, this multi-blade curtain has been doubled, leaving virtually no room for light leaks. Perform even mirror lockup shooting without the fear of light leakage.

COMPATIBLE WITH MOST NIKON LENSES

The F4s's F-mount interface means it has the intelligence to manage all three types of Nikon lens communication systems — one for lenses with built-in computers, one for autofocus



lenses with built-in motors, and one for Nikon lenses without electronic contacts. With AF, AF-I, P, AI-S

and AI Nikon lenses, all metering systems operate. With modified AI lenses, use center-weighted or spot metering.

AN ARRAY OF INTERCHANGEABLE FINDERS, FOCUSING SCREENS AND FINDER ACCESSORIES

With the Nikon F4s, you can see it your way. Each of four interchangeable viewfinders offers virtually 100% accuracy, so what you see through the viewfinder is what ends up in your photo. Interchangeable focusing screens and finder accessories give you just the view you want.

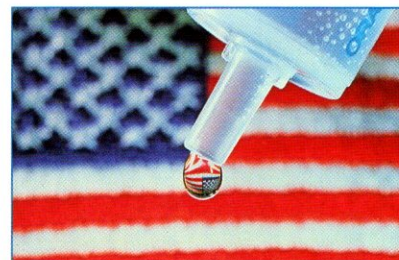
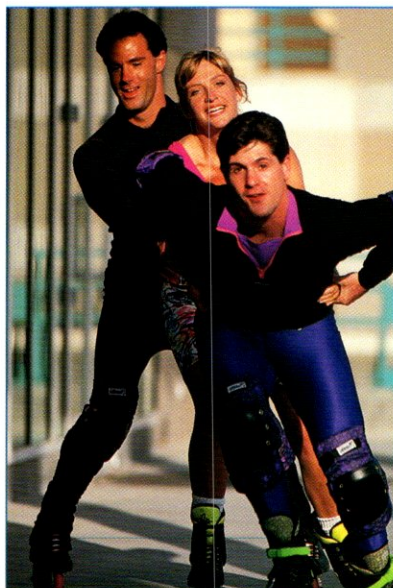
SPEEDLIGHTS AND ACCESSORIES

In combination with a full line of Nikon Speedlights, the F4s is a tool for the imagination. Matrix-balanced fill-flash creates all new picture-taking confidence, not only indoors, but outdoors in twilight and at night.



CAMERA BACKS AND REMOTE CONTROL

Nikon Multi-Control Backs, Data Backs and remote control accessories put time and distance on your side. Create all-new types of photographs, over hours, days and even weeks. Let your subject trigger the shutter with Freeze Focus. Auto bracket up to 19 separate frames, each with a different exposure.



CLOSE UP

The F4s is 100% compatible with all Nikon close-up lenses and equipment. Discover familiar subjects in a new dimension. See a new range of textures and shapes. Enter a new world of discovery and exploration.

INTERCHANGEABLE VIEWFINDERS

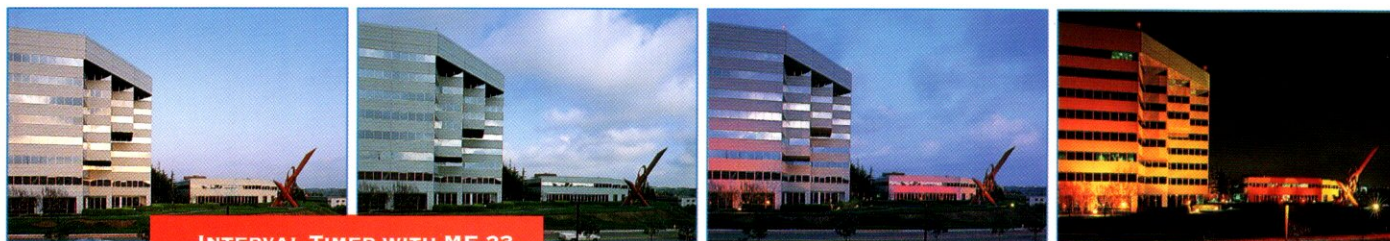
Interchangeable viewfinders provide you with a better view of your subject, depending upon your application or where the camera is positioned. Viewfinders for the F4s offer tremendous versatility, from standard shooting, to low-angle shooting, to close-up subjects magnified up to six times normal size.

MULTI-METER FINDER DP-20

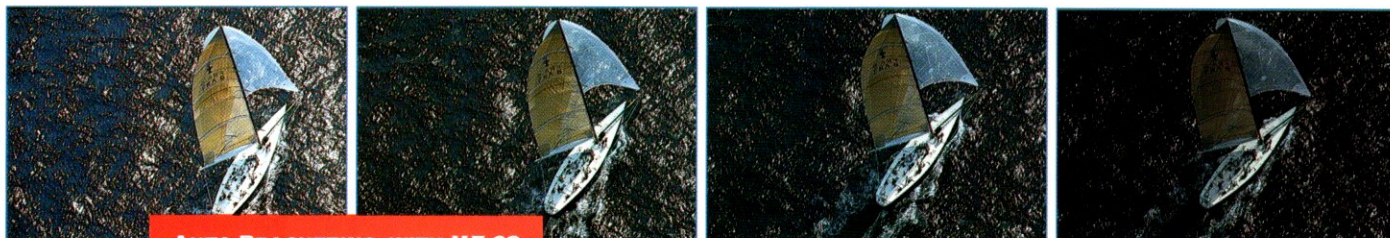
Standard equipment for the Nikon F4s AF 35mm SLR Camera, this full information viewfinder is virtually 100% accurate. What you see is what you get. Built-in eyepiece diopter adjusts from -3 to +1 to compensate for near- or far-sighted photographers. Incorporates exposure compensation dial for interchangeable focusing screens and ISO type hot shoe for direct mounting of a wide range of Nikon TTL dedicated speedlights. Matrix, center-weighted and spot metering provided.

Nikon Product Number: 2500 NAS





INTERVAL TIMER WITH MF-23



AUTO BRACKETING WITH MF-23

AE ACTION FINDER DA-20

This viewfinder allows you to see a complete image at 2.4" from the camera. It is ideal for situations where normal viewing is difficult or impossible (wearing a helmet or goggles). Center-weighted and spot metering are provided. This viewfinder for the F4s is supplied with Prism Cover and Eyecup.

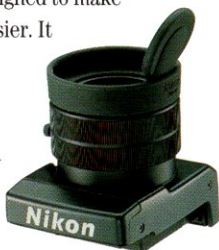
Nikon Product Number: 2503 NAS



6X HIGH MAGNIFICATION FINDER DW-21

This spot metered viewfinder is designed to make critical close-up work faster and easier. It enlarges the complete viewfinder image by six times. The DW-21 also offers a -5 to +3 diopter adjustment for eyesight correction. Rubber eyecup and eyepiece cap provided. Requires SC-24 cord for TTL flash operation.

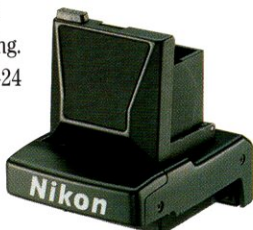
Nikon Product Number: 2502 NAS



WAIST-LEVEL VIEWFINDER DW-20

Viewfinder provides a complete viewfinder image when camera is positioned at a low angle or on a copystand. Fold-up viewing hood provided. Built-in flip-up magnifier provides approximate 5X magnification at image center for accurate focusing. Built-in spot meter. Requires SC-24 cord for TTL flash operation.

Nikon Product Number: 2501 NAS



DATA/MULTI-CONTROL BACKS

MULTI-CONTROL BACK MF-23

The MF-23 Multi-Control Back for the F4s is your key to making all-new types of photographs. Imprinting your photos with date, time, frame number, shutter speed, aperture setting and other information is only the beginning. The Interval Timer allows you to input commencement time, interval time, number of shots and number of intervals — outstanding for time/sequence events. Auto Bracketing means you can shoot up to 19 continuous frames, each with a different exposure. Create long-time exposure photos, up to 999 hours, 99 minutes, 99 seconds — automatically. Exposure Delay, the remaining time before exposure and the number of shots that should be taken at a specific time can be set. Use Freeze Focus to set your camera at a pre-focused distance. When the subject enters the specified zone, the camera fires. Also set daily alarm, film alarm, film stop and more.

Nikon Product Number: 4623 NAS



DATA BACK MF-22

If time is your only concern, there's the MF-22 Data Back. Imprint each frame with your choice of year/month/day, day/hour/minute (24-hour clock), month/day/year, or day/month/year.

Nikon Product Number: 4622 NAS



250 EXPOSURE MULTI-CONTROL BACK MF-24

Allows uninterrupted shooting of 250 exposures without changing film. Used with two MZ-1 Magazines for loading up to 33 feet of bulk film (see next listing). Includes the same features as the MF-23. Power sources include the MB-21 High Speed Battery Pack or the Nikon External Power Regulator MB-22.

Nikon Product Number: 4624 NAS



250 EXPOSURE FILM CASSETTE MZ-1

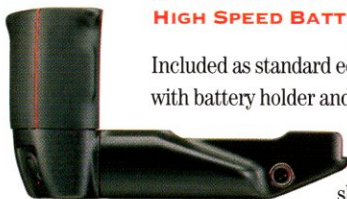
Operates with 250 Exposure Multi-Control Back MF-24. Includes 2 magazines. Requires 250 exposure bulk film loader, Nikon Product Number 2080 NAS. **Nikon Product Number: 2077 NAS**



POWER SOURCES

Nikon battery packs provide extra power for maximum film-advance speeds, and extended operating periods. Power cords and converters allow your F4s to operate on standard AC/DC power for uninterrupted service.

HIGH SPEED BATTERY PACK MB-21



Included as standard equipment with the F4s, the MB-21 consists of a base with battery holder and a grip unit, each of which holds three AA-type alkaline-manganese or NiCad batteries. Shutter release button with lock function, battery checker LEDs, vertical shutter release, and a remote terminal are also provided.

Nikon Product Number: 4632 NAS

COMPACT AA TYPE BATTERY PACK MB-20



Powered by four AA-type alkaline-manganese batteries, the MB-20 also serves as the grip for the F4S.

Nikon Product Number: 4631 NAS

EXTERNAL POWER REGULATOR MB-22

The MB-22 consists of the grip portion MB-21G, in common with the MB-21, and the bottom portion MB-22B. The terminal enables connection with Nikon AC/DC converter MA-4 via Nikon External Power Cord MC-11. A regulator, which converts the 15V current of the MA-4 to 8.2V, and a remote terminal, are provided.

Nikon Product Number: 4633 NAS

MULTI-POWER HIGH SPEED BATTERY PACK MB-23



Complete system consists of unitized battery pack/hand grip assembly and one-piece battery tray for AA-type alkaline-manganese batteries or optional NiCad Battery Pack MN-20.

Nikon Product Number: 4634 NAS

NICAD BATTERY PACK MN-20



Used with MB-23 Battery Pack, the MN-20's NiCad batteries are better suited than other batteries for cold-weather operation. Shoot approximately 80 rolls (36 exp.) at 14°F (-10°C).

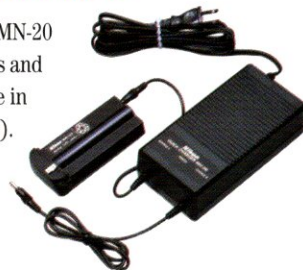
Nikon Product Number: 111 NAS

OTHER ACCESSORIES AND REMOTE CONTROL DEVICES FOR THE F4s APPEAR IN THEIR OWN SECTIONS OF THIS GUIDE. SEE 35MM LENSES, LENS ACCESSORIES, FOCUSING SCREENS AND VIEWFINDERS, SPEEDLIGHTS, CLOSE-UP, REMOTE CONTROL, CAMERA CASES AND OTHER ENTRIES.

NICAD BATTERY CHARGER MH-20

NiCad battery charger for MN-20 (holds two MN-20 batteries and charges them one at a time in approximately three hours).

Nikon Product Number: 112 NAS



6-PIECE AA BATTERY HOLDER MS-23

Replacement battery holder for MB-23. Allows the use of 6 AA batteries.

Nikon Product Number: 4640 NAS

AA BATTERY HOLDER MS-21

Replacement battery holder for MB-21. Holds 3 AA batteries.

Nikon Product Number: 4637 NAS



EXTERNAL BATTERY PACK DB-6

The DB-6 provides added power for prolonged or low-temperature shooting. Uses six D-type batteries and connects to the High Speed Battery Pack MB-23 via MC-28 cord.

Nikon Product Number: 3069 NAS



EXTERNAL POWER CORD MC-28

For use with DB-6 and MB-23. Connects external battery pack to camera.

Nikon Product Number: 4658 NAS



MOTOR DRIVE POWER CONVERTERS

AC/DC CONVERTER POWER SUPPLY MA-4

Especially recommended when using the F4s for extended studio use. Supplies constant 15V DC current to MB-22. Requires MC-11 Power Connecting Cord.

Nikon Product Number: 42 NAS



EXTERNAL POWER CORD MC-11

Connects the MA-4 converter into the external power terminal of the MB-22.

Nikon Product Number: 132 NAS





NIKON SCHOOL PHOTO TIP: THE CENTER OF INTEREST RARELY BELONGS IN THE CENTER OF YOUR FRAME. EXPERIMENT WITH SUBJECT PLACEMENT AND EVALUATE THE RESULTS FOR COMPOSITION, MOOD AND FEELING

Photo by Roger Ressmeyer, © National Geographic

WHEN THE HEAT IS ON

There's no substitute for Nikon F4s performance and reliability when it comes to tough situations. That's why famed photographer Roger Ressmeyer chose the F4s to photograph these lava flows in Hawaii and Italy.

"In a situation like this with intense heat, debris and moisture, I use only equipment that is up to the challenge. I covered this subject from every possible angle and with every conceivable photographic approach I could think of. In each case the combination of features and durability in the F4s worked for me. Matrix metering, spot-metering and Nikon accessories, including the MF-23 Multi-control Back and Remote Triggering Cords, were vital to my success. They allowed me to produce a wide range of difficult images in the briefest amount of time so I could cut the risk to a minimum."

Roger Ressmeyer



F 4 s

- Incomparable construction, testing and materials
- 5-segment matrix metering, center-weighted metering (60/40 balance), spot-metering (5mm diameter circle in center of viewfinder)
- Matrix-balanced fill-flash with Nikon TTL Speedlights
- Bright viewfinder system with virtual 100% coverage and full information readout including aperture-direct readout and frame counter
- Autofocus with focus tracking
- Manual focus with electronic rangefinder to EV-1
- Top shutter speed 1/8000 sec.; top flash sync 1/250 sec.
- Low-vibration, tungsten-alloy shutter
- Single-frame, continuous low speed (3.4 frames per sec.) and continuous high speed film advance (5.7 frames per sec.)* Also continuous quiet film advance (1 frame per sec.)
- Five exposure modes — M (Manual), P (Program), PH (High-Speed Program for faster shutter speeds),
- * *With the Nikon High Speed Battery Pack MB-21.*
- S (Shutter Priority) and A (Aperture Priority)
- Simultaneous autofocus/ auto exposure lock button
- Multiple exposure lever; mirror lockup lever
- Depth-of-field preview button
- Interchangeable viewfinders, focusing screens
- Interchangeable battery packs, power sources
- Interchangeable camera backs including 250-exposure Multi-Control Back
- Nikon F lens mount means the F4s works with all AI-S lenses, AF Nikkor lenses, AI and non-AI lenses

Nikon Product Number: 1791 NAS

F3HP

STRETCHING IT TO THE LIMITS

The F3HP is another top professional choice. Durable die-cast, aluminum alloy construction, standard high-eyepoint viewfinder, highly center-weighted metering, a range of professional features and Nikon system interchangeability make this camera the right solution for demanding environments — and photographers.



SOLID DIE-CAST BODY

To make the F3HP sturdy but light, Nikon made its body out of a two-piece casting of copper-aluminum alloy. This casting also secures electronic components and prevents corrosion.

RELIABLE ELECTRONICS

All of the F3HP's electronic components are integrated onto a single flexible printed circuit board to provide the correct exposure in any picture-taking situation.



SMOOTH WINDING MECHANISM

Winding film with the F3HP is silky smooth. Liberal use of ball bearings and an all-new mechanism and counter-balanced gear train contribute to its ease and convenience.

CENTER-WEIGHTED METERING SYSTEM

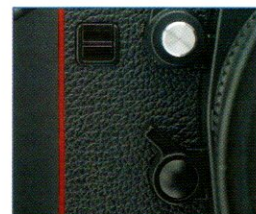
The F3HP offers a highly center-weighted metering system, concentrated in a 12mm diameter spot in the center of the viewfinder. You know exactly what the camera is metering.

TITANIUM SHUTTER

The F3HP features a Nikon dual curtain, focal-plane shutter. Made of ultra-strong, ultra-thin titanium, these long-lasting shutters offer years of trouble-free performance.

MECHANICAL BACKUP SHUTTER RELEASE

A special backup shutter release mechanism allows you to take pictures with exhausted batteries or when batteries have been removed (shutter speed approximately 1/60th sec.).



INTERCHANGEABLE FOCUSING SCREENS AND FINDER ACCESSORIES

The Nikon F3HP offers a complete range of interchangeable focusing screens and finder accessories, to make sure you see things your way (see focusing screens and finder accessories section of this guide).

SPEEDLIGHTS AND ACCESSORIES

The F3HP also accepts the complete line of Nikon Speedlights. Flash control is TTL (through-the-lens with SB-16A and SB-21A) for increased accuracy (see "Speedlights").



DATA BACKS, INTERVALOMETER AND REMOTE CONTROL

Using Nikon Data Backs, Intervalometers and remote control accessories, open up a new world of possibilities with your F3HP. Create automatic long-time exposures and time-lapse photos (see sections that follow).



CLOSE-UP

The F3 is compatible with Nikon close-up lenses and equipment. Use Micro Nikkor lenses, extension rings, even bellows to photograph an amazing new world.

MOTOR DRIVE AND ACCESSORIES

MD-4 MOTOR DRIVE TO CAPTURE THE ACTION

The F3HP accepts the MD-4 Motor Drive. Built as tough as the camera itself, this is the fastest Nikon motor drive mechanism. The MD-4 can expose up to six frames per second. Because of the F3HP's exceptionally smooth film advance, it can expose up



to 140 rolls of film with one set of eight AA-type alkaline batteries. Auto film rewind takes place in just 4.5 seconds.

Nikon Product Number: 120 NAS

AC/DC CONVERTER MA-4

Supplies the MD-4 with stable DC current for extended studio use (requires the MC-11 External Power Connecting Cord).

Nikon Product Number: 42 NAS



**NIKON SCHOOL
PHOTO TIP:
FOR NATURAL,
DRAMATIC EFFECTS,
PHOTOGRAPH
DURING THE LAST
HOUR BEFORE
SUNSET. THIS IS
WHEN THE LIGHT IS
WARMEST, AND
OBJECTS CAST
THE LONGEST
SHADOWS.**

POWER CONNECTING CORD MC-11 FOR MD-4

This 10' cord connects the MA-4 to external power.

Nikon Product Number: 132 NAS



MULTI-MOTOR CORD MC-17S

Enables the firing of two motor-driven F3 series cameras simultaneously.

Nikon Product Number: 138 NAS

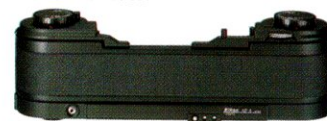


250 EXPOSURE MAGAZINE BACK MF-4

Ideal for extended shooting. Trigger button contributes to handling ease. Used with two 250-Exposure Magazine MZ-1 for loading up to 33 feet of bulk film. Requires 250 exposure bulk film loader, Nikon Product Number:

2080 NAS

**Nikon Product
Number: 134 NAS**



AUTO FILM STOP BACK MF-6B

Automatically stops the film from being rewound completely back into the cartridge during auto rewind.

Nikon Product Number: 136 NAS



NI-CAD BATTERY UNIT MN-2 AND CHARGER MH-2

Powers the MD-4. Offers 3.5 hour recharging time. May be recharged approximately 100 times. Works great in pairs — use one while the other is recharging.

Nikon MN-2 Product Number: 125 NAS

Nikon MH-2 Product Number: 126 NAS



FIRING RATE CONVERTER MK-1

Enables the selection of specific firing rates for the MD-4. Choose 1, 2, or 3 frames per second or unrestricted speed as determined by motor operation.

Nikon Product Number: 121 NAS



MOTOR TERMINAL RELEASE MR-3

Attaches to MD-4 motor and facilitates vertical shooting. Also allows use of AR-3 cable release or the AR-7 double cable release.

Nikon Product Number: 4563 NCP



INTERCHANGEABLE VIEWFINDERS

Use different viewfinders to obtain a clear or complete view of your image, depending on where (or how) the camera is being used or held. Installing F3 series viewfinders is simple. Simply pull back the release levers and lift the viewfinder out. Installation is equally simple. Just insert viewfinder until it "click stops." With all electronic components built into the camera body of the F3HP, TTL exposure metering is possible with every interchangeable viewfinder.

EYE LEVEL FINDER DE-2

0.8X magnification with the 50mm lens at infinity. Eyepiece shutter incorporated.

Nikon Product Number: 2382 NAS



HIGH-EYEPOINT FINDER DE-3

Entire frame including exposure information is visible from approximately 1 inch away from the eyepiece. 0.75X magnification.

Nikon Product Number: 2386 NAS



ACTION FINDER DA-2

Perfect for situations where normal viewing is difficult or impossible, such as when wearing a helmet or goggles.

Nikon Product Number: 2385 NAS



WAIST LEVEL FINDER DW-3

Used when the camera is at a low angle or on a copystand. Flip-up magnifier provides 5X magnification of the center of the image.

Nikon Product Number: 2383 NAS



6X HIGH MAGNIFICATION FINDER DW-4

For critical high-magnification work. Provides undistorted view of the entire image at full 6X magnification. Fitted with -5 to +3 diopter for eyesight correction.

Nikon Product Number: 2384 NAS



RIGHT-ANGLE VIEWING ATTACHMENT DR-3

Provides an upright and unreversed image with right-angle viewing. Individual eyesight adjustment possible. Excellent for copy work. (DK-7 required for HP Finder).

Nikon Product Number: 2326 NAS



EYEPIECE MAGNIFIER DG-2

Provides 2X magnification of the central portion of the finder image. Eyesight adjustment provided. Useful for critical focusing in close-up work. DK-7 required for HP finder.

Nikon Product Number: 2355 NAS



RUBBER EYECUPS DK-2/DK-4

Increase viewing comfort and prevent stray light from entering viewfinder. DK-2 for F3HP; DK-4 for F3.

Nikon DK-2 Product Number: 2406 NAS

Nikon DK-4 Product Number: 2379 NAS



DATA BACKS

DATA BACK MF-18

The MF-18 allows you to imprint data between frames. Imprint options include year/month/day/hour/minutes/seconds or reference numbers to 2000 (only one option is selectable at a time). Enables auto film stop operation with optional Motor Drive MD-4.

Nikon Product Number: 4566 NAS



DATA BACK MF-14

The MF-14 allows you to imprint data between frames. Imprint options include year/month/day/hour/minutes/seconds or reference numbers to 2000 (only one option is selectable at a time).

Nikon Product Number: 4411 NAS



250 EXPOSURE DATA BACK MF-17 SET

Allows you to imprint data on film with up to 250 sequential shots via operation with Magazine Back MF-4 (included) and optional Motor Drive MD-4. Three simultaneous selections are possible: year/month/day/hour/minutes/seconds and hand-written display data. MC-15 cord included.

Nikon Product Number: 140 NAS



MEMO PLATE SET FOR MF-17

Replacement item for MF-17. Enables hand-written display data. Also works with previous MF-10, MF-11.

Nikon Product Number: 2073 NAS

SYNC CORD FOR MF-17

Replacement cord for MF-17. Also works with previous MF-10, MF-11.

Nikon Product Number: 2069 NAS

250 EXPOSURE FILM CASSETTE MZ-1

Film cassette with case. Operates with 250 Exposure Data Back MF-17.

Nikon Product Number: 2077 NAS



BULK FILM LOADER FOR MZ-1

Enables loading of bulk film.

Nikon Product Number: 2080 NAS

FILM CASSETTE SPOOL FOR MZ-1

Replacement item for MZ-1.

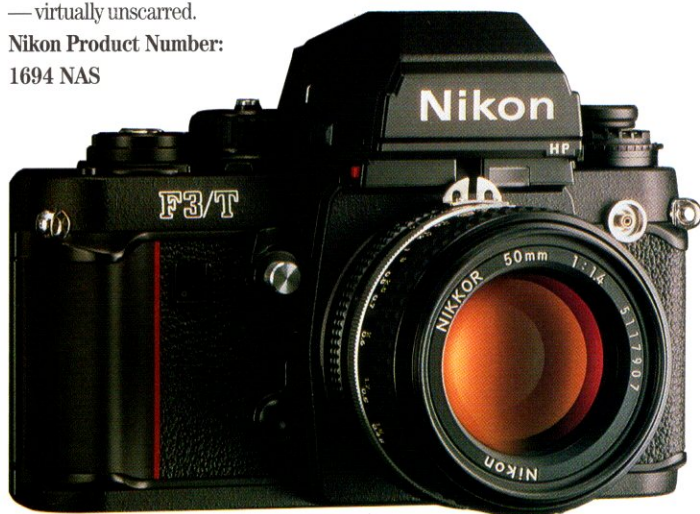
Nikon Product Number: 2079 NAS

F3/T: STRETCHING IT EVEN FURTHER

This extra-durable version of the F3HP is made of titanium, one of the world's strongest metals. Virtually every part of the body is covered: the high-eyepoint viewfinder; the camera top and bottom; and the entire camera back. With precision parts well-guarded, the F3/T sails through demanding photographic situations to deliver the shots you've worked so hard to achieve — year in and year out — virtually unscarred.

Nikon Product Number:

1694 NAS



NIKON SCHOOL PHOTO TIP:

YOUR NIKON SLR IS A HIGHLY-REFINED OPTICAL INSTRUMENT. HOWEVER EVERYONE'S EYESIGHT IS SLIGHTLY DIFFERENT. TO ACCOUNT FOR THESE DIFFERENCES, NIKON PROVIDES EYEPIECE CORRECTION LENSES. IF YOU'RE NEAR-OR FAR-SIGHTED, ONE OF THESE LENSES CAN MAKE YOUR SHOOTING MUCH MORE COMFORTABLE. EYEPIECE CORRECTION LENSES CORRECT THE IMAGE SEEN IN THE FOCUSING SCREEN FOR YOUR PARTICULAR EYESIGHT. WHILE IT IS BEST TO ACTUALLY TRY OUT DIFFERENT EYEPIECE CORRECTION LENSES AT YOUR NIKON DEALER, IT IS POSSIBLE TO DETERMINE WHICH LENS YOU NEED BY CONSULTING YOUR EYEGLASS PRESCRIPTION.

SINCE THE FOCUSING SCREEN IN A NIKON SLR CAMERA IS OPTICALLY ONE METER (3.3') FROM THE EYE, YOU SHOULD FIRST DETERMINE WHAT YOUR EYEGLASS PRESCRIPTION IS FOR THAT DISTANCE. SINCE EACH EYE MAY BE DIFFERENT, MAKE SURE YOU HAVE THE PRESCRIPTION FOR THAT PARTICULAR EYE.

THERE WILL BE A NUMBER ON THE PRESCRIPTION LABELED "SPHERICAL" THAT IS PRECEDED BY A + OR -. THE NIKON DIOPTRER LABELED CLOSEST TO THIS NUMBER SHOULD GIVE YOU A USABLE CORRECTION. FOR EXAMPLE, A - 3.25 SPHERICAL WOULD CALL FOR A -3.0 DIOPTRER. A +0.2 SPHERICAL WOULD CALL FOR A 0 DIOPTRER. UNFORTUNATELY NO DIOPTRER CAN CORRECT FOR ASTIGMATISM.

FOR YOUR REFERENCE, ALL NIKON SLR CAMERAS HAVE A BUILT-IN DIOPTRER SETTING OF -1. HOWEVER, IT IS NOT NECESSARY TO TAKE THIS INTO ACCOUNT WHEN PURCHASING A DIOPTRER. ALL NIKON EYEPIECE CORRECTION LENSES ARE LABELED FOR THE TOTAL DIOPTRY THAT WILL BE PROVIDED WHEN THE LENS IS INSTALLED ON THE VIEWFINDER. THE STANDARD SCREW-IN EYEPIECES, SUPPLIED WITH SOME NIKON SLRS, ARE FITTED WITH PLAIN GLASS THAT PROVIDES NO CORRECTION BEYOND THE -1 BUILT INTO THE CAMERA.

FOR A COMPLETE LISTING OF NIKON EYEPIECE CORRECTION LENSES, SEE PAGE 48.

F 3 H P

- Incomparable construction, testing and materials
- Highly center-weighted metering (80/20 balance)
- TTL (through-the-lens) flash control
- Standard DE-3 high-eyepoint viewfinder system with virtual 100% coverage
- LCD exposure information readout in viewfinder
- Manual focus. Top shutter speed 1/2000 sec. Flash sync up to 1/80 sec.
- Ultra-strong, ultra-thin, dual titanium shutter curtains for extended usage, no light leakage
- Silky-smooth, manual film advance
- Backup mechanical shutter release if batteries exhausted
- Aperture-priority automatic exposure mode and manual exposure
- Exposure memory lock button for off-center compositions
- Exposure compensation dial
- Multiple exposure lever
- Mirror lockup lever
- Depth-of-field preview button
- Self-timer with LED indicator
- High-speed MD-4 Motor Drive available
- Interchangeable viewfinders, focusing screens
- Interchangeable battery packs, power sources
- Interchangeable camera backs including 250-exposure MF-4 Multi-Control Back
- Nikon F lens mount means the F3HP uses all AI-S lenses, AF Nikkor lenses, AI and non-AI lenses

Nikon Product Number: 1691 NAS

N90

DESIGNED
TO INSPIRE

This is high-tech Nikon.

Wide-area autofocus, 8-segment

matrix metering, 3-D multi-sensor

balanced fill-flash, FP high-speed flash

sync up to 1/4000th sec. and

computerized Vari-Program combine

to offer all-new photographic

opportunities. The N90's 5-segment

flash sensor means that for the

first time matrix-like metering

technology has been incorporated into

flash photography. The N90's new

Data Link system also introduces a

new era in photographic excellence.



WIDE-AREA AND SPOT AUTOFOCUS

The N90 offers two autofocus systems to let you deal with more picture-taking situations with greater ease. Use Wide-Area Autofocus, with its 7mm wide focusing zone, when subjects are off-center or moving quickly. Use Spot Autofocus to concentrate on small areas, crucial to your composition. Nikon's new CAM246 cross-type autofocus sensor module makes it possible.



3D MATRIX METERING

The N90 uses an 8-segment matrix meter to evaluate the scene. When used with new D-type Autofocus lenses, it then combines this exposure information with data on distance and focus. For the first time, distance information is used to enhance exposure calculations. Computers found in both the N90 and the D-type lenses share information, while Nikon software processes the data using advanced algorithms and fuzzy logic. Now light conditions that might confound any photographer, are handled beautifully and effortlessly by the N90.

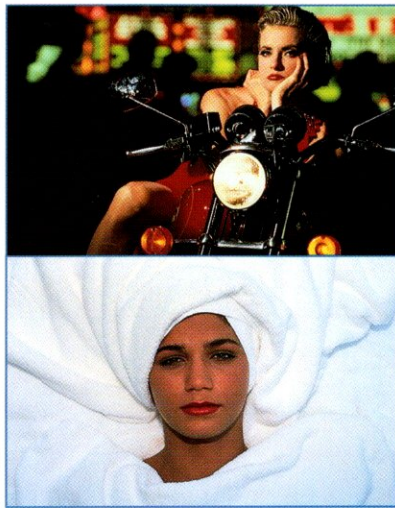


NEW 5-SEGMENT TTL FLASH SENSOR

For the first time, matrix-like metering technology has been incorporated into flash photography. Built into the N90 is a new 5-segment flash sensor. This new TTL multi-sensor works with all Nikon TTL-controlled speedlights, enabling automatic balanced fill-flash even in bright snow and sand, as well as in dim light, indoors or out. Matrix-like flash analysis yields exceptional results, even in situations that might fool other systems.

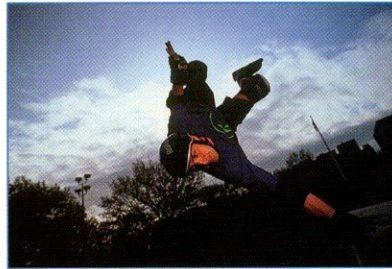
3-D MULTI-SENSOR BALANCED FILL FLASH

This is the highest flash performance possible. Requiring a combination of the N90, a D-type AF Nikkor lens and the Nikon SB-25 AF Speedlight, the N90 uses its 8-segment meter to evaluate ambient light. The SB-25 then fires a series of invisible monitor pre-flashes, which the N90's 5-segment flash sensor analyzes. Distance information from the lens — including picture composition analysis — and other exposure control data are then integrated. Flash output is automatically compensated and balanced with the ambient light. The result is superb flash photographs — a system of unparalleled performance.



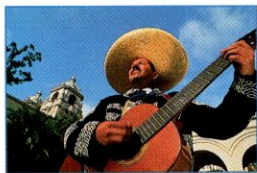
FP HIGH SPEED SYNC FLASH

Using a Nikon N90 and SB-25 Speedlight set to the FP mode, flash sync speeds up to 1/4000 sec. are possible. Use films with high ISO ratings for fill-flash. Maintain correct background and sky exposures, even when shooting fill-flash photos in bright light outdoors. Maintain wide-aperture settings for expanded control of depth-of-field.

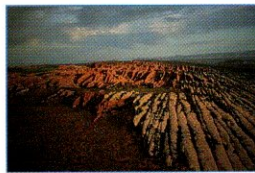


NEW VARI-PROGRAM

Now you can choose the type of pictures you want to make — automatically. You make your selection, from striking silhouettes, to beautiful portraits, to scenics, to sports photos, to close-ups, and the N90 does the rest. All required settings are made for you. When used with the SB-25 AF Speedlight, even a red-eye reduction program is included. Make the kind of photos you've always wanted, at the touch of a button.



**HYPERFOCAL
PROGRAM**



**LANDSCAPE
PROGRAM**



**SPORT
PROGRAM**



**CLOSE-UP
PROGRAM**



**PORTRAIT
PROGRAM**



**PORTRAIT WITH
RED-EYE REDUCTION
PROGRAM**

DATA LINK ENHANCES PERFORMANCE EVEN FURTHER

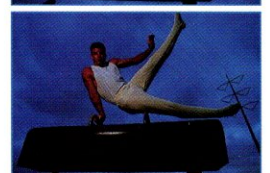
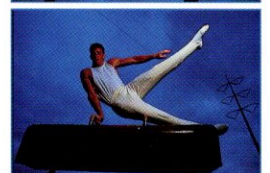
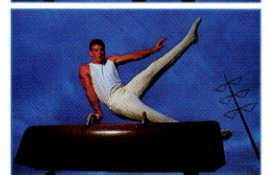
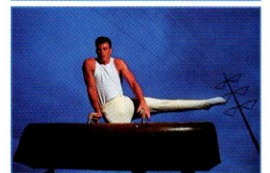
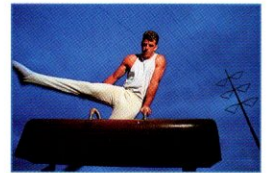
Propel your N90 system even further with the Data Link. Combine the Sharp Wizard® Electronic Organizer OZ-8000 Series or OZ-9000 Series with the Nikon Data Link IC Card AC-1E, and expand the control of your N90 camera's functions. It also records shooting information and helps guide you through the operation of the N90, the SB-25, the MF-26 Multi-control Back and the Nikon World Time Data Back MF-25. It even includes general information on photography and includes other features you'll find convenient, especially on location.

**Nikon Product Number:
4649 NAS**

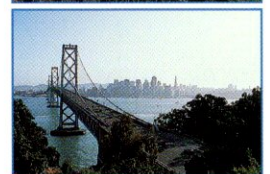
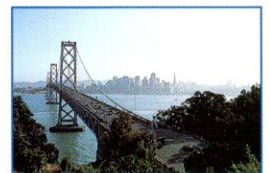


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**NIKON SCHOOL
PHOTO TIP:
FILM CAN'T
CAPTURE ALL THE
VARIATIONS IN
BRIGHTNESS YOU
CAN SEE IN A
SCENE. FILL-FLASH
WILL ADD DETAIL TO
SHADOWS AND
LIGHTEN BACKLIT
SUBJECTS, SO
CARRY YOUR FLASH
EVEN ON THE
BRIGHTEST DAYS.**



**FLASH EXPOSURE
BRACKETING
WITH MF-26**



**INTERVAL TIMER
WITH MF-26**



ALL-MODE EXPOSURE BRACKETING WITH MF-26

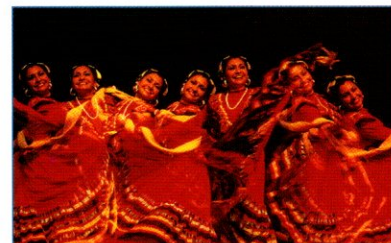
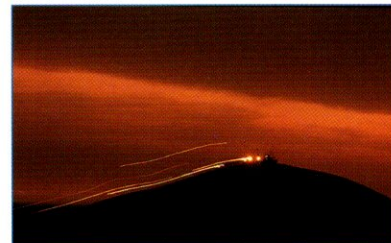
world alarm clock tells you the time throughout the world.

Nikon Product Number: 120 NAS

THE MF-26 — MULTI-CONTROL BACK FOR THE FUTURE

The MF-26 Multi-Control Back for the N90 is your key to making extraordinary photographs. Not only can the MF-26 imprint your photos with date, time, frame number, shutter speed, aperture setting and other information, it can open up a new world of photo opportunities. The Interval Timer allows you to take photographs at specified intervals, up to 99 hours, 59 minutes and 59 seconds apart (to 99 separate frames). It's outstanding for time/sequence events. Create long-time exposure photos, also up to 99 hours, 59 minutes, 59 seconds — automatically. All-Mode Exposure Bracketing allows you to shoot from 3 to 19 frames, each with a different exposure. Flash Bracketing allows you to automatically vary flash output over a specified range. Multiple Exposure function allows up to 19 exposures on a single frame. Freeze Focus allows you to set camera at a pre-focused distance. When the subject enters the specified zone, the camera fires. Also set simultaneous or separate AE and AF lock functions, change the custom reset settings on your camera, or set flash compensation by -3EV to +1EV in 1/3 steps.

Nikon Product Number: 4626 NAS



THE MF-25 — PUTTING TIME ON YOUR SIDE

If time is all you're after, the MF-25 World Time Data Back can imprint your pictures with selected date and time information within each frame. Timing is quartz controlled and the MF-25's



MODULITE REMOTE CONTROL SET ML-3

The compact ML-3 enables automatic N90 camera operation at distances up to 24 feet. It's ideal for wildlife photography, sports events — anywhere your presence might disturb the subject. Auto triggering, delayed shutter release, single and continuous shooting are possible.

Nikon Product Number: 4645 NAS



CONNECTING CORD MC-23

Connects two N90 cameras for simultaneous or synchronized shutter release. Requires Data Link system to control synchronized operation. 16" long.

Nikon Product Number: 4653 NAS



REMOTE CORD MC-20

Enables remote firing of N90 and setting of long time exposures up to 9 hours, 59 minutes, 59 seconds. LCD panel with illuminator counts exposure time up or down. 32" long.

Nikon Product Number: 4650 NAS



ADAPTER CORD MC-25

Enables use of two-pin or three-pin Nikon remote accessories such as Nikon Radio Control Set or Nikon Intervalometer. 8" long.

Nikon Product Number: 4655 NAS



EXTENSION CORD MC-21

Enables N90 to be connected to Nikon 10-pin remote accessories. 9.9" long

Nikon Product Number: 4651 NAS



REMOTE CORD MC-22

Used for connection to shutter triggering device. 3.3" long.

Nikon Product Number: 4652 NAS



EXTERNAL BATTERY PACK DB-6

The DB-6 provides added power for prolonged or low-temperature shooting. Uses six D-type batteries and connects to the N90 via MC-29 cord.

Nikon Product Number: 3069 NAS



EXTERNAL POWER CORD MC-29

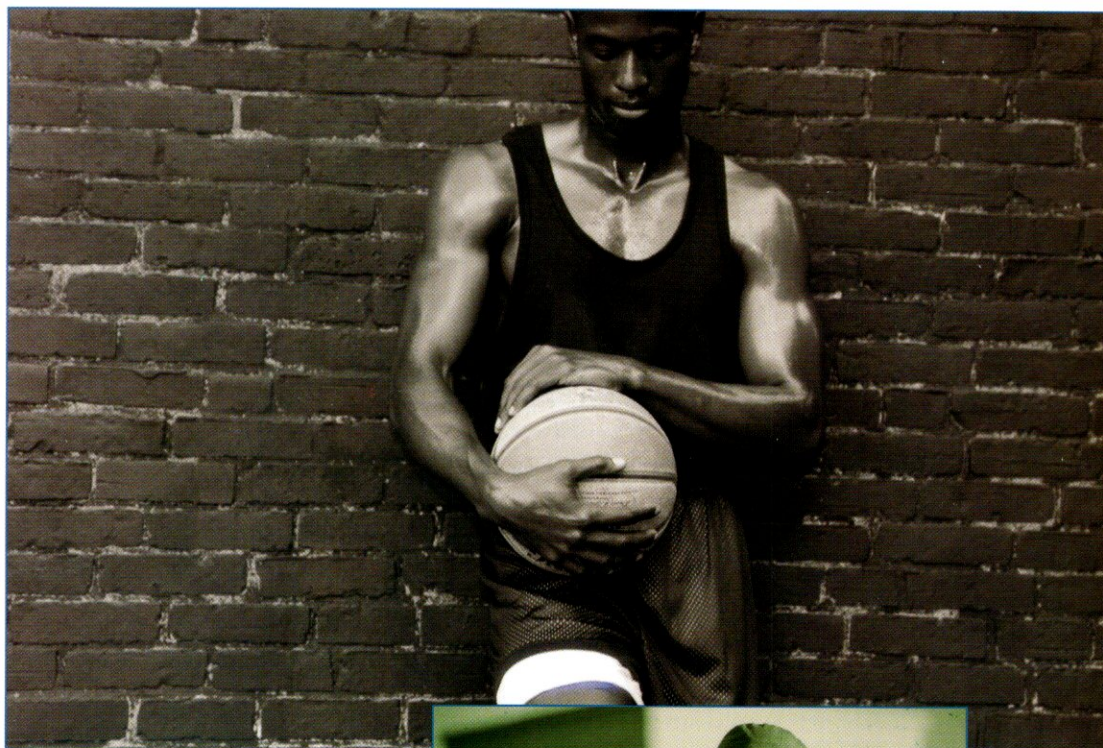
Nikon Product Number: 4659 NAS

SHOOT TO WIN

Some subjects would rather play than pose. And no one knows that better than photographer John Huet.

Using a Nikon N90, a 35-70mm D-type Autofocus Zoom Lens and an SB-25 Speedlight, Huet captured this difficult-light shot at the touch of a button.

"When you're capturing real-life action and emotion, you hardly have time to think, much less meter. Because the N90 is a system that takes everything into account — distance, focus, changes in composition, balance between foreground and background — it worked exactly as I expected on this assignment. My concentration was where it should be — on the subject."

THE NIKON N90 LOAN PROGRAM:
SELECTED NIKON ADVANCED SYSTEMS DEALERS (NAS) HAVE N90 CAMERA SYSTEMS AVAILABLE TO "TEST DRIVE." LOAN REQUIREMENTS VARY FROM DEALER TO DEALER. LIMITED TIME ONLY. TO OBTAIN A LIST OF PARTICIPATING DEALERS CALL 1-800-NIKON-US.

N 9 0

- 8-segment matrix metering, center-weighted metering (75/25 balance), spot-metering (3mm diameter circle in center of viewfinder)
- Matrix-balanced fill-flash
- 3-D Multi-sensor balanced fill-flash with SB-25 and D-type lenses
- Bright viewfinder system with full-information readout
- Spot and wide-area autofocus with focus tracking
- Manual focus with electronic rangefinder to EV-1
- Top shutter speed 1/8000 sec.
- High-speed flash sync to 1/4000 sec. on manual with SB-25 Speedlight (1/250 sec. automatic)
- Single-frame, normal-speed (2.0 frames per sec.) and high-speed film advance (3.0 frames per sec.)
- Five exposure modes — M (Manual), P (Auto-Multi Program), (Vari-Program for faster shutter speeds), S (Shutter Priority), A (Aperture Priority), and Flexible Program
- Interchangeable focusing screens
- Interchangeable camera backs including new MF-26 Multi-Control Back
- New Data Link System to enhance performance, customize operation
- Nikon F lens mount

Nikon Product Number: 1769 NAS

N8008s

TOOL FOR THE IMAGINATION

*The N8008s offers the technical
features and controls that enable
any photographer to excel.*

With 5-segment matrix metering,

a top shutter speed of 1/8000 sec.,

flash sync to 1/250 sec., motor drive,

autofocus and other features, this

camera is a tool for imagination;

a vehicle for creative expression.

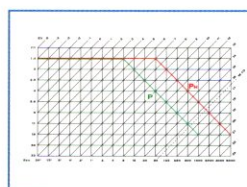
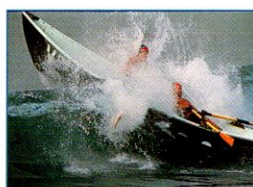
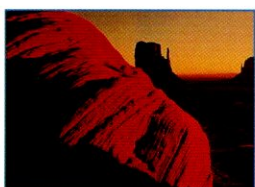


5-SEGMENT MATRIX METERING

The 5-segment matrix meter built into the N8008s evaluates light the way a photographer's eye and mind do. Outdoors on sunny days, shooting near a window, nighttime photography — even in difficult and harshly lit or low-light situations — the matrix meter and the system's microcomputers and software perform their exposure evaluation, and the picture is given optimum exposure. Automatically.

CENTER-WEIGHTED AND SPOT METERING, TOO

For many portraits or scenes with severe backlighting, you might want to switch to center-weighted metering. This concentrates 75% of the meter's sensitivity on an area of the viewfinder outlined by a 12mm circle. Or, switch to spot metering. This is the most selective light metering choice, concentrating the exposure in a 3.5mm diameter circle in the center of the viewfinder. Use it to create special effects or for truly unusual light situations. This metering system is effective when precise measurement of a portion of the subject is required.



SIX EXPOSURE MODES

The N8008s lets you choose from 6 separate exposure modes plus Flexible Program.

Dual Program With the "PD" exposure mode, the N8008s automatically selects the exposure program appropriate for the focal length of the lens in use. If you're using an AF Nikkor lens 135mm or longer, or if your AF Zoom Nikkor lens is set past 135mm, the N8008s will automatically shift from the Normal to the High-Speed Program. This shift will help overcome any possible camera shake or subject movement.

Normal Program To obtain greater depth of field in your photograph, choose Normal Program "P." The camera will automatically shift to higher aperture numbers.

High Speed Program To freeze the action with normal AF Nikkor lenses, choose the High-Speed Program "PH." This program is designed to select faster shutter speeds than with the Normal Program.

Flexible Program In any Program Mode, you can change the combination of shutter speed and aperture by turning the Command

Input Control dial, and still obtain a correct exposure. So, even though the N8008s is on automatic program operation, you can still have user-creative opportunities.

Aperture Priority With this mode, you set the desired aperture while the camera sets the shutter speed. Higher aperture settings, such as f/11 and f/16 offer greater depth-of-field. Lower settings, such as f/2.8 and f/4 offer shallower depth-of-field, making your subject stand out from the background.

Shutter Priority You determine the shutter speed while the camera automatically sets the aperture. Create a feeling of movement with lower shutter speeds, or stop the action with higher speeds.

Manual You determine both aperture and shutter settings. Create exactly the effect you're looking for.

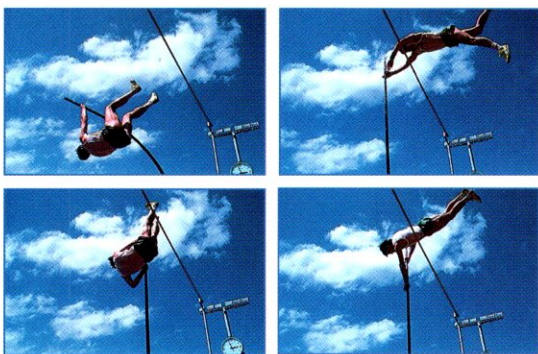
AE-Lock Button A press of the button locks exposure. Recompose the photograph any way you like — the system will render a properly exposed subject based on the original exposure measurement.



Exposure Compensation Compensate your exposures within a range of + or - 5 EV automatically using the exposure compensation dial (1/3 steps).

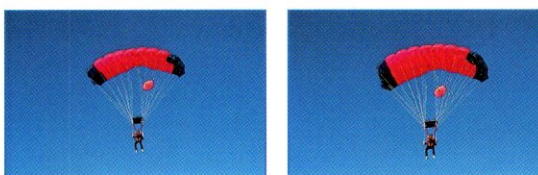
MOTOR DRIVE

The N8008s offers single-frame advance (S), where the camera advances the film to the next frame following each exposure, continuous low-speed advance (CL), where the camera fires two frames per second as long as the shutter remains depressed, or continuous high-speed film advance (CH), where the camera exposes 3.3 frames per second.



AUTOFOCUS WITH FOCUS TRACKING

Choose single-servo autofocus, where the camera focuses and remains locked until you again press the shutter release. Or,



choose continuous autofocus, where the camera focuses and refocuses automatically as your subject moves or changes position. In continuous autofocus mode, take advantage of Nikon's focus-tracking. With focus tracking, the camera anticipates the subject's position at the exact moment of exposure. While you concentrate on the action, the camera concentrates on the focus.

AUTOFOCUS LOCK

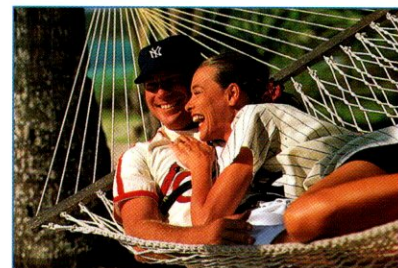
Use autofocus-lock to set the focus on your subject and recompose the photo anyway you like.

MANUAL FOCUS WITH ELECTRONIC RANGEFINDER

When focusing manually, the N8008s helps you achieve sharp focus with a precision electronic rangefinder. Illuminated viewfinder arrows guide you through the focusing process, even in light as dim as minus 1 EV (equal to the light of only 1 candle).

MATRIX BALANCED FILL FLASH

The N8008s uses matrix-balanced fill-flash to balance both subject and background illumination. The system fills in harsh shadows and brings out foreground detail without losing the correct background exposure. Available when using any AF Nikkor or Nikkor lens with built-in CPU and Nikon Speedlights SB-25, SB-23, SB-22, SB-20, SB-16B or SB-21B.



MULTI-CONTROL BACK MF-21

The optional MF-21 Multi-Control Back for the N8008s is ideally suited for technical and creative applications. Imprint data on each frame (choice of date, time, frame number, serial upcount number, fixed number and shutter-speed/aperture). Also control camera functions to provide — Interval-Timer function, Long Time Exposures up to 99 hours, 59 minutes, 59 seconds, Auto Bracketing up to 19 consecutive exposures on a single frame with values in 1/3 EV steps from 1/3 to 2 EVs, and Freeze Focus where the subject trips the shutter when it enters the in-focus position.

Nikon Product Number: 4621 NAS



DATA BACK MF-20

Imprint selected date and time and information within each frame with this handy/accessory.

Nikon Product Number: 4620 NAS

NIKON'S FOCUS TRACKING ANTICIPATES THE SUBJECT'S PRECISE POSITION AT THE MOMENT OF EXPOSURE.

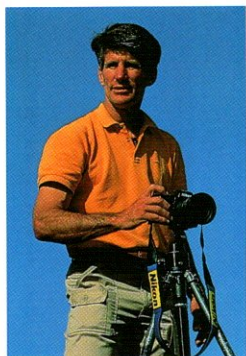


CLIFF HANGER

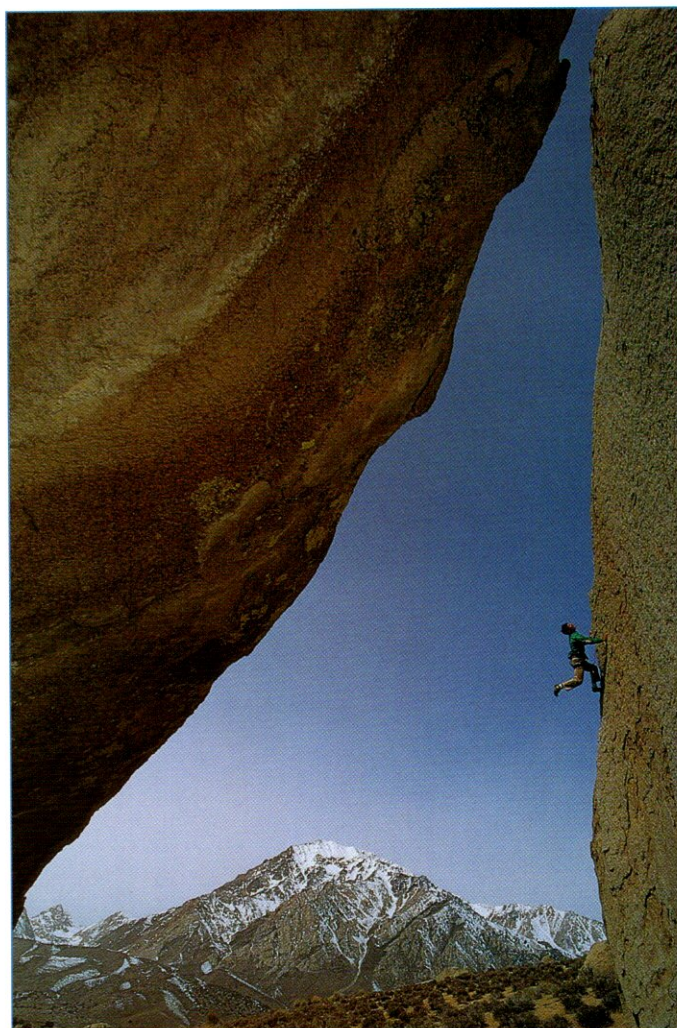
"The N8008s has the size and automatic features that make it an excellent companion — especially when rock climbing in the Sierra Madres. To shoot myself on the side of this steep cliff, I chose the aperture priority exposure mode and a small f-stop for great depth of field. Using an MF-21, I set the camera to produce three bracketed exposures every time the shutter was released. Then I packed a Nikon Modulite ML-2 Remote Control into my pocket and headed up the face of the cliff. I set the Modulite for a three-second delay, which allowed me to put



the Modulite back into my pocket before the camera fired. Putting my N8008s together with matrix metering, aperture control and the right accessories, I got the shot I was looking for — while still looking out for myself."



Galen Rowell



NIKON SCHOOL PHOTO TIP:
MOST SCENICS WILL BENEFIT FROM FOREGROUND SUBJECTS. NOTE HOW PHOTOGRAPHER GALEN ROWELL HAS KEPT A FEW BOULDERS IN THE FOREGROUND OF THE PHOTO ABOVE (HE ACTUALLY ILLUMINATED THEM WITH A NIKON SPEEDLIGHT, AS WELL) TO CREATE BALANCE.

N 8 0 0 8 s

- Superior features and performance
- 5-segment matrix metering, center-weighted metering (75/25 balance), spot-metering (3.5mm diameter circle in center of viewfinder)
- Matrix-balanced fill-flash with Nikon TTL Speedlights
- High-eyepoint viewfinder system with full information viewfinder
- Autofocus with focus tracking
- Manual focus with electronic rangefinder to EV-1
- Top shutter speed 1/8000 sec.; top flash sync 1/250 sec.
- Single-frame, continuous low speed (2 frames per second) and continuous high speed film advance (3.3 frames per sec.)
- Five exposure modes — M (Manual), P (Program), PH (High-Speed Program for faster shutter speeds), S (Shutter Priority) and A (Aperture Priority)
- Autofocus lock button; auto exposure lock button
- Interchangeable camera backs, multi-control backs
- Nikon F lens mount

Nikon Product Number: 1765 NAS

N6006

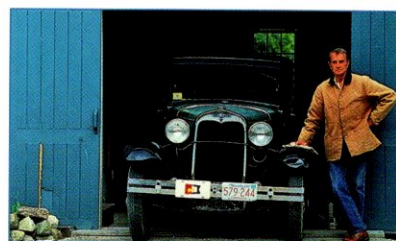
DARING PHOTOGRAPHY

*When you're ready to start making
the world's greatest pictures, the
N6006 is ready for you. With built-
in wide-angle flash, motor drive,
three light meters, autofocus and an
array of other features, the N6006 dares
anyone to try new and exciting
photographic techniques.*



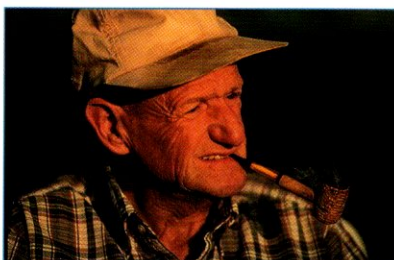
5-SEGMENT MATRIX METERING

The best light meter for action photography, the N6006 uses 5-segment matrix-metering for reliable exposures even in difficult or rapidly changing light conditions. The matrix meter breaks the scene down into 5 segments, evaluates each for brightness and contrast, and provides the correct exposure of the main subject in virtually any lighting situation. In situations where you might be wondering what to do, your N6006 already knows.



SPOT AND CENTER-WEIGHTED METERING

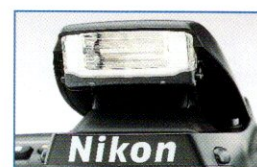
For more controllable situations, or where you want to put more emphasis on a centrally located subject, center-weighted metering concentrates 75% of the exposure on the center of the viewfinder. To concentrate the exposure even further, switch to spot-metering. Now the exposure is based on a 3.5mm-diameter circle in the center of the viewfinder. The spot meter is effective when precise measurement of the subject is required.



ing systems. Touch the buttons and it pops up, ready for use. This flash offers the widest coverage of any built-in speedlight (covers Nikon lenses down to 28mm). The N6006 flash also packs a wallop, offering a guide number of 43 (with ISO 100 film/feet).

BUILT-IN WIDE-ANGLE FLASH

This flash works beautifully with your N6006 light meter-



MATRIX-BALANCED FILL-FLASH

Using matrix-metering, the N6006 computer evaluates the scene's available light brightness and contrast and calculates the exposure. It then fires the flash, controlling output for a balanced fill-flash picture. You'll use this flash for everything from still-life to action photographs, since automatic flash sync speeds range from 1/125 all the way down to 30 full seconds.



**SLOW SYNC FLASH
WITHOUT
COMPENSATION**



**SLOW SYNC FLASH
WITH
COMPENSATION**

shutter speed is controlled between 1/125 sec. and 30 sec: the slowest shutter speed available in normal sync is 1/60 sec.



REAR-CURTAIN FLASH

Using either the built-in speedlight or an accessory Nikon Speedlight, you can also make unusual rear-curtain sync photographs. With this technique, the flash fires

at the end of the exposure, rather than at the beginning. Using slow shutter speeds, a stream of motion will appear behind the moving subject.

HIGH SPEED AUTOFOCUS WITH FOCUS TRACKING

The N6006's autofocus system will operate in light as dim as that of one candle (EV-1). Choose Single Autofocus, where focus remains locked until you again press the shutter release, or Continuous Autofocus, where the system focuses and refocuses automatically, as long as the shutter release is slightly depressed. In either mode, if the subject is moving, Focus Tracking takes over and makes any necessary adjustments. Focus Manually using the electronic rangefinder, if you like, or press the Focus Lock Button to create off-center compositions.



FIVE AUTOMATIC EXPOSURE MODES INCLUDING MANUAL

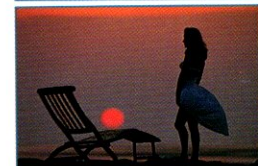
Using the Program Mode (P), your N6006 will automatically set the appropriate aperture and shutter speed for you. By switching to the Auto Multi-Program mode (Pm), you automatically switch the camera to higher shutter speeds, ideal for use with telephoto lenses. Or, choose Shutter Priority (S) to freeze or

blur the action. Choose Aperture Priority (A) to create a greater or shallower depth of field. Or, operate the camera on Manual (M), where you choose the aperture and shutter speeds that meet your needs. Use the Auto-Exposure Lock Button to set the exposure on the subject — then recompose any way you like. Flexible Program allows you to modify aperture and shutter speed combinations when using Program Modes.



AUTO EXPOSURE BRACKETING

By simply setting Auto Exposure Bracketing, the N6006 will bracket either 3 or 5 exposures for you automatically. You choose the amount of compensation between each frame in 0.3, 0.7 or 1 EV increments. Produce a range of exposures of the same subject, quickly and easily.



VARIABLE SELF-TIMER

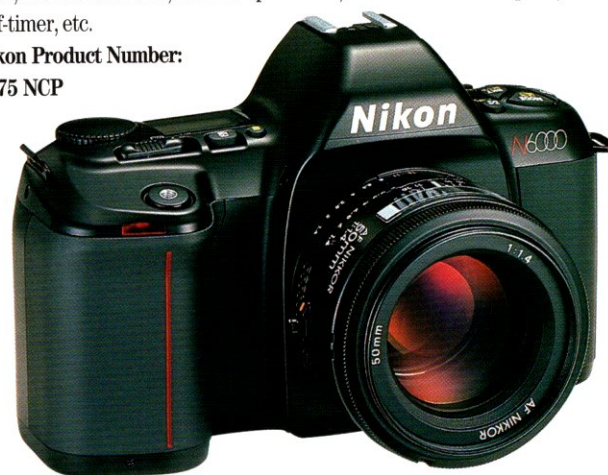
The N6006's self-timer lets you choose a delay of from 2 to 30 seconds. Also take two self-timer shots in a row, automatically.

**AUTO EXPOSURE
BRACKETING**

N 6 0 0 6

With the Nikon N6000 you focus manually and add your own Nikon Speedlight separately. Other features are virtually identical to the N6006 — matrix-metering and center-weighted metering (no spot-meter with N6000), auto-exposure, auto-bracketing, motorized film advance, slow-sync flash, rear-curtain flash, flash compensation, 1/2000 sec. shutter speed, variable self-timer, etc.

Nikon Product Number:
1775 NCP



ON THE BEACH

"A lot of camera systems would have trouble with a shot like this. Dim light, a slightly off-center sun behind the subject, and rapidly changing light make this a difficult photographic situation. However, the features in the N6006 made this picture possible at virtually the touch of a button.

Matrix metering, the built-in wide-angle flash and the camera's slow-sync flash capability handled the situation beautifully. To produce a number of exposures, I used the camera's auto bracketing feature to produce five separate shots. The N6006 is a great way to make all sorts of photographs."



Matt Groover



NIKON SCHOOL PHOTO TIP: KEEP YOUR INSTRUCTION BOOKS WITH YOU FOR THE FIRST FEW MONTHS AFTER PURCHASE. IT'S LIKE HAVING A PHOTO EXPERT AROUND ALL THE TIME. TO BRING A PHOTO EXPERT RIGHT INTO YOUR HOME, SEE INFORMATION ON THE NIKON SCHOOL VIDEO LEARNING SERIES AT THE END OF THIS GUIDE.

N 6 0 0 6

- Advanced Nikon features
- Built-in, wide-angle flash (provides coverage down to 28mm lenses)
- 5-segment matrix metering, center-weighted metering (75/25 balance), spot-metering (3.5mm diameter circle in center of viewfinder)
- Matrix-balanced fill-flash with built-in optional Nikon Speedlights
- Full information readout
- Autofocus with focus tracking
- Manual focus with electronic rangefinder to EV-1
- Top shutter speed 1/2000 sec.; top flash sync 1/125 sec.
- Single-frame, (CL) low-speed film advance at 1.2 frames per second, and (CH) high-speed film advance at 2 frames per sec.
- Five exposure modes — M (Manual), P (Normal Program), PM (Auto Multi-Program for faster shutter speeds), S (Shutter Priority) and A (Aperture Priority) and Flexible Program
- Autofocus lock button; auto exposure lock button
- Two-shot self-timer
- Nikon F lens mount
- Uses 6V lithium battery

Nikon Product Number: 1770 NCP

N 6 0 0 0

- Advanced Nikon features
- 5-segment matrix metering, center-weighted metering (75/25 balance)
- Matrix-balanced fill-flash with optional Nikon Speedlights
- Full information readout
- Manual focus with BriteView Focusing Screen
- Top shutter speed 1/2000 sec.; top flash sync 1/125 sec.
- Single-frame, (CL) low-speed film advance at 1.2 frames per second, and (CH) high-speed film advance at 2 frames per sec.
- Five exposure modes — M (Manual), P (Normal Program), PM (Auto Multi-Program for faster shutter speeds), S (Shutter Priority) and A (Aperture Priority) and Flexible Program
- Auto exposure lock button
- Two-shot self-timer
- Nikon F lens mount
- Uses 6V lithium battery

Nikon Product Number: 1775 NCP

N50

NEW

SHORTCUT TO GREAT PICTURES

Now great Nikon photographs are as easy as pushing a button. Want a portrait? Push a button. Want a silhouette? Push a button. Want a close-up? Push a button. The N50's automatic operation can give you the kind of photos you'll be proud to show and hang on your wall. Matrix metering, built-in flash, interchangeable lenses and other advanced features make the N50 the perfect step up to Nikon 35mm SLR photography.



GET THE KIND OF PICTURES YOU'VE ALWAYS WANTED — QUICKLY AND EASILY

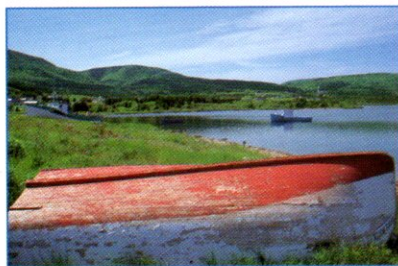
Nikon's new N50 delivers an array of great 35mm SLR photographs at just the touch of a button. It's the ideal "step-up" camera for photographers who might have been intimidated by 35mm SLR photography.

SIMPLE MODE

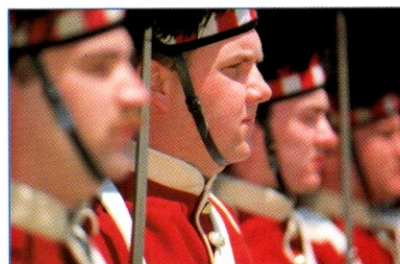
With the camera set on the "simple" mode, just press a button to create the kind of Nikon photograph you want. While you compose, the N50 automatically sets the exposure. Focus is automatic in light as low as EV minus 1.



GENERAL PURPOSE PROGRAM



LANDSCAPE PROGRAM



PORTRAIT PROGRAM



CLOSE-UP PROGRAM

SIMPLE MODE PROGRAMS:

GENERAL PURPOSE PROGRAM

This selection appears automatically when the camera is turned on. It's great for changing everyday pictures into beautiful photographs.



LANDSCAPE PROGRAM

Press the button for the Landscape icon. Achieves greater depth-of-field for postcard-perfect pictures. Outstanding with AF Nikkor wide-angle lenses.



PORTRAIT PROGRAM

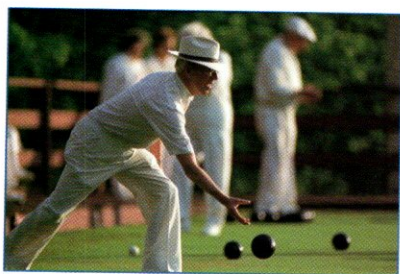
Press the button for the Portrait icon and the depth-of-field becomes shallower. Now the background becomes softer, making subjects stand out. Ideal with AF Nikkor portrait-range lenses (85 to 135mm).



CLOSE-UP PROGRAM

Again the subject stands out from the background. Especially effective with AF Micro-Nikkor lenses and AF Nikkor zoom lenses with macro focus.

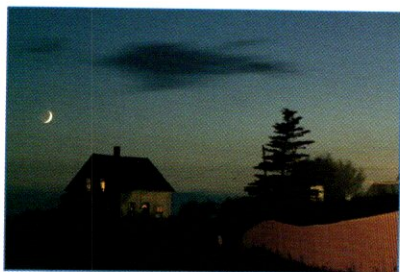




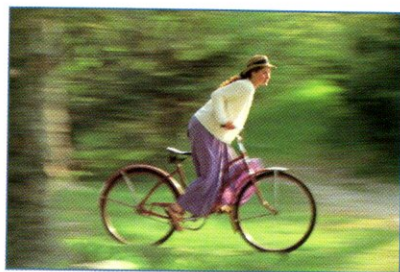
SPORT PROGRAM



SILHOUETTE PROGRAM



NIGHT SCENE PROGRAM



MOTION EFFECT

ADVANCED MODE

With the camera set to the "advanced" mode, you can create even more types of photographs.

ADVANCED MODE PROGRAMS:

SPORT PROGRAM

Uses higher shutter speeds and creates a feeling of slight motion in your pictures. Add an extra dimension to your photos by panning with a moving subject. Effective with nearly every AF Nikkor lens.



SILHOUETTE PROGRAM

Imagine — automatic silhouettes! Subjects appear dark against a bright background. Outstanding near windows, at sunset or other strongly backlit situations.



NIGHT SCENE PROGRAM

Captures background lights. For dramatic photographs, add flash for automatically beautiful nighttime flash photography.



MOTION EFFECT

This selection automatically chooses slower shutter speeds to make subjects appear to flow through the scene. Also creates a great effect with panning.



OTHER ADVANCED FEATURES

• **Other advanced mode techniques** include shutter-priority auto exposure, aperture priority, auto exposure and manual exposure. • **Top shutter speed** 1/2000 sec; top flash sync 1/125 sec. • **Flexible Program** enables you to shift an automatically selected shutter speed or aperture combination by 1 EV. • **AE-Lock** lets you change picture composition without affecting exposure. • **Exposure Compensation** allows you to adjust automatically selected combinations of aperture and shutter speeds while maintaining correct exposure. • **Exposure Memory** stores your favorite exposure mode or program for instant recall. • **Choice of Focus Modes** lets you choose "Single Servo" autofocus for stationary subjects; "Continuous Servo" to stay with the action. Also focus manually. • **Self Timer** lets you become the subject of your own pictures. • **Extra-long Time Exposure** setting keeps the shutter

4-PAGE INSTRUCTION GUIDE FOR SIMPLE MODE

The N50 comes with a 4-page instruction guide for the Simple Mode, so you can be shooting great pictures in minutes! A complete instruction book is also included.

ADVANCED FEATURES OF THE N50

SHARP, CLEAR INFORMATION READOUT

The N50 is the first SLR camera to use a dot-matrix LCD panel. It's not only easy to see in any light, *it's also easy to understand!*



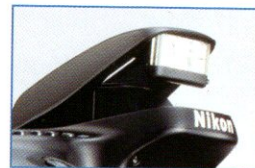
6 SEGMENT 3D MATRIX METERING

The N50 uses a 6-segment matrix light-metering system to evaluate each scene. When used with Nikon's new D-type autofocus lenses, it combines exposure information with data on distance and focus. The result? Reliable exposures, frame after frame, even in difficult lighting.



BUILT-IN FLASH

Powerful built-in flash pops up. Advanced matrix-balanced fill-flash means all-new pictures. Use flash in daylight to brighten shadows, while keeping background light natural-looking.



LOW LIGHT AUTOFOCUS/FOCUS TRACKING

The N50's advanced AM200 autofocus sensor module works in light as low as that of one candle (EV minus 1). In light where you can hardly see, *it can!* And, Nikon's revolutionary focus tracking has also been incorporated into the N50.

INTERCHANGEABLE NIKKOR LENSES

Because the N50 incorporates Nikon's famous F lens mount, you can choose from a wide variety of AF Nikkor lenses. All are designed to take the world's greatest pictures.

OPTIONAL SPEEDLIGHTS

Use the N50's powerful built-in flash or choose an optional Nikon Speedlight like the compact SB-22, SB-23 or advanced SB-25. Either way, you'll gain power and versatility.



AN ARRAY OF ACCESSORIES

The N50 accepts a full range of Nikon system accessories, including camera cases, camera straps, eyepiece correction lenses and attachments for close-up photography.

Nikon Product Number: 1710 NCP

FM2N

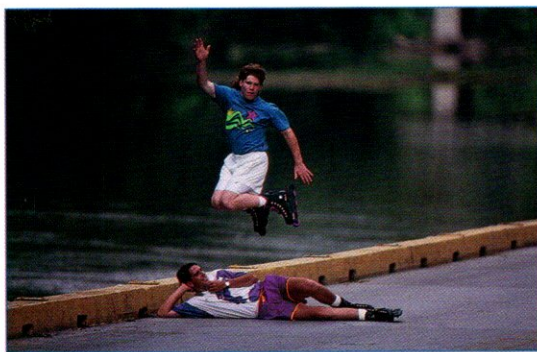
THE TRADITIONALIST'S CHOICE

If you want manual focus and manual exposure control, here's the way to get it — with proven Nikon performance and durability. The FM2N is the choice of traditionalists everywhere.



YOU'RE IN COMMAND

The FM2N is a camera that puts you in charge. Using 60/40 center-weighted metering, you select the aperture, you select the shutter speed, to create the type of photographs you're looking for.



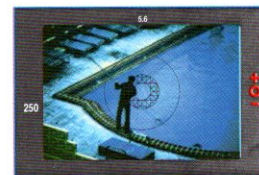
LEGENDARY NIKON PERFORMANCE AND DURABILITY

Like all Nikon F cameras, the FM2N is made to exacting standards with durable die-cast metal body construction and precision operating features. Vertical-travel aluminum alloy shutter curtains offer reliable, consistent performance. A mirror shock absorber virtually eliminates mirror bounce or shake that might blur some exposures. Four ball-bearing clusters and reduced film winding torque assure silky-smooth film advance.



3-POINT LED EXPOSURE DISPLAY

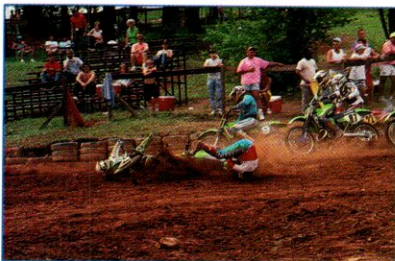
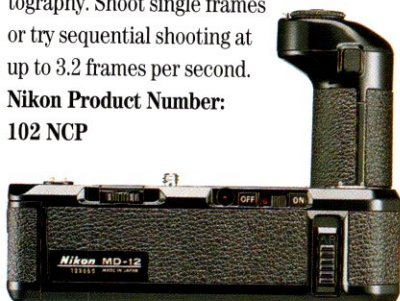
In addition to shutter speed and aperture, a 3-point exposure display appears in the viewfinder. It instantly tells you if your exposure is over (+), under (-) or right on (0).



MOTOR DRIVE MD-12

Attach the optional Motor Drive MD-12 to the FM2N, and you're into motor drive photography. Shoot single frames or try sequential shooting at up to 3.2 frames per second.

Nikon Product Number:
102 NCP



DATA BACK MF-16

Record year/month/day or day/hour/minute or any 2-digit number on your photographs. Perfect for scientific or research photography. LCD quartz clock ensures precision information.

Nikon Product Number: 4526 NCP



NIKON SCHOOL PHOTO TIP:
THE REAL PURPOSE OF A
MOTOR DRIVE IS NOT SEQUENCE
PHOTOGRAPHY — IT'S TO MAKE
SURE YOUR EYE IS NEVER
AWAY FROM THE VIEWFINDER.
THUS, YOU ARE ALWAYS
READY FOR THAT PEAK
MOMENT.



F LENS MOUNT

Because the FM2N incorporates Nikon's F lens mount, it uses all of Nikon's current lenses, and hundreds of previous lenses.

OTHER NIKON ACCESSORIES

The FM2N also accepts a wide range of other Nikon accessories, including the Modulite Remote Control Set ML-2, Intervalometer MT-2, Wireless Remote Control Set MW-3, Battery Pack DB-2, Nikon Speedlights and close-up accessories.

NEW TITANIUM BODY FM2T

If you're going to extremes to get a great photograph, consider the new FM2T version of the FM2N. Made with an incredibly strong titanium outer shell, this camera is highly shock and corrosion resistant. All other specifications and features are the same as the FM2N.

Nikon Product Number: 1685 NCP



FM2N

- Durable die-cast all-metal body construction provides lightweight rigidity and strength
- Center-weighted TTL metering (60/40 balance); metering range EV 1 to EV 18
- Interchangeable focusing screens; K2, E2, B2
- Bright viewfinder system with aperture, shutter speed and 3-point exposure display (+ 0 -)
- Silky-smooth manual film advance and transport
- Top shutter speed 1/4000 sec.; top flash sync 1/250 sec.
- Aluminum-alloy shutter curtains for stable, dependable performance
- Depth-of-field preview button
- MD-12 Motor Drive
- MF-16 Data Back
- Nikon F lens mount

Nikon Product Number: 1683 NCP (Chrome finish camera body)

Nikon Product Number: 1684 NCP (Black finish camera body)

35Ti QUARTZ DATE

A WHOLE NEW CLASS OF CAMERA

Here's an elegant new class of
camera that combines Nikon's SLR
image quality with a compact,
lightweight, titanium body.

A superb Nikkor
35mm f/2.8 lens,
6-segment matrix

metering, 3-D matrix-balanced fill-
flash, programmed auto-exposure,
built-in data imprint, plus standard
and panorama formats, make the
35Ti a whole new way to take Nikon
photographs.



TITANIUM OUTER BODY

The 35Ti's body is made of aerospace-quality titanium. Rigid, lightweight and durable, it protects the camera from abrasion, corrosion and shock.



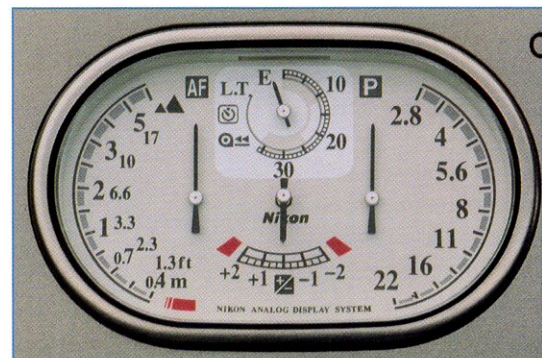
WORLD CLASS NIKKOR 35MM F/2.8 LENS

Made with Nikon's high refractive, low-dispersion glass, this integrated-coated lens yields photos of exceptional sharpness and color. Automatically retracts into camera body for travel and protected by titanium cover.



UNIQUE ANALOG DISPLAY PANEL

The 35Ti uses highly accurate and easy-to-read pointers. Focus selection, aperture in use, exposure compensation values, frame count, time exposure and self-timer are easily set.



FAST, RESPONSIVE HANDLING

The viewfinder's aspherical lens objective provides bright, clear viewing, a digital display for shutter speed or uses selected aperture and exposure compensation. A liquid crystal display clearly outlines both standard and panorama picture areas.

6-SEGMENT 3-D MATRIX METERING

A new 6-segment matrix metering system assures proper exposure even in difficult or quickly changing light situations. Fuzzy logic helps ensure precise exposure settings, even when conditions are nominal or borderline. Switch to center-weighted for portraits or to concentrate exposure in defined area.

PROGRAMMED AND APERTURE-PRIORITY EXPOSURE MODES

The 35Ti's Programmed Auto exposure mode automatically sets optimum aperture and shutter speed. Aperture Priority mode lets you select aperture for depth-of-field control. Flexible Program sets different combinations of shutter and aperture while maintaining correct exposure.

ADVANCED FLASH

The built-in flash on the 35Ti fires automatically when light is insufficient or the subject is backlit. The system incorporates distance into the flash exposure calculation for the highest level of flash performance. Flash control and "anytime" flash modes also available.

DATA IMPRINT

This feature allows you to imprint your photos with choice of year, month, day, hour, minute and, of course, no imprint. Ideal for keeping track of pictures, rolls of films and dates.

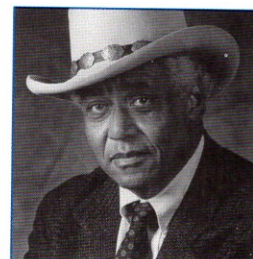


PANORAMA FORMAT

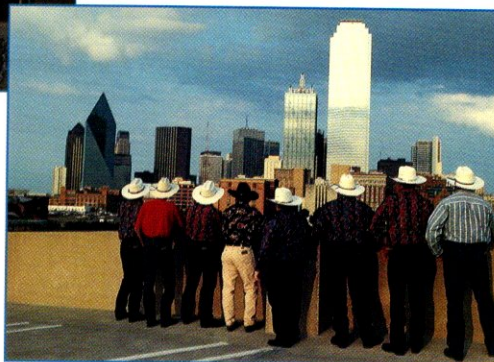
CUSTOM FUNCTIONS

Using the 35Ti's Command Input Control Dial, you can change several operating features to meet your needs. Select Auto Flash or Flash Cancel. Choose matrix or center-weighted metering. Choose to display either shutter speed or aperture in the LCD viewfinder. Imprint data on all pictures, the first picture of the day, on the first shot of each roll. Use Display Reset to return the camera to its original positions. Display panorama frames marks inside viewfinder.

"The 35Ti is a great camera. Its pictures are tremendously sharp and the advanced technology packed into this camera rivals



its professional counterparts. There's never been anything like it!"



35Ti

- Advanced Nikon features in a lightweight, durable titanium body
- Built-in Nikkor 35mm f/2.8 lens with integrated optical coating for sharp, clear photos
- Built-in flash
- 6-segment matrix metering and center-weighted metering (75/25 balance)
- Provides 3-D matrix-balanced fill-flash for incredible flash photography
- Virtually stepless Autofocus 833 AF system for sharp images
- Standard and panorama formats switchable mid-roll at the flip of a switch
- Top shutter speed 1/500 sec.; automatic long time exposures up to 10 minutes
- Illuminated analog information display
- Automatic single-frame film advance
- Two exposure modes — Programmed (P) and Aperture Priority (A)
- Flexible Program and exposure compensation
- Two-shot self-timer
- Quartz-date function imprints photos with day/date/time
- Custom functions modify 35Ti operation
- Includes leather case, battery and film.

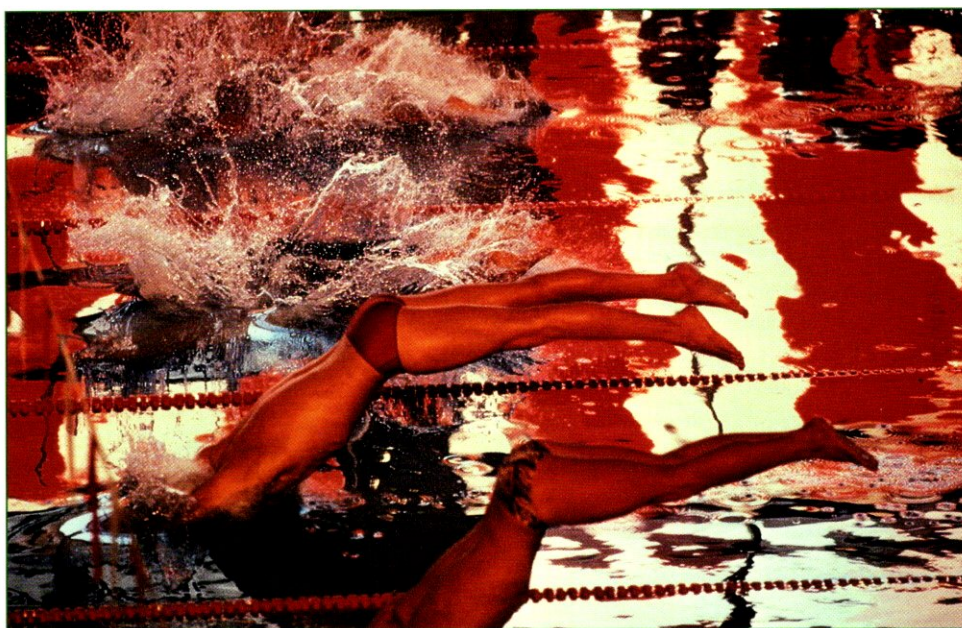
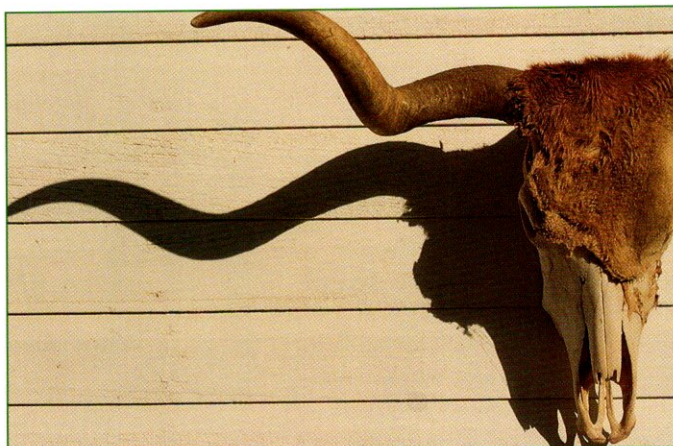
Nikon Product Number: 9630 NAS

NIKKOR 35MM LENSES

LIKE NO OTHER LENSES IN THE WORLD

Purchasing a Nikon SLR camera body is just the beginning of your extraordinary adventure in photography. The next step is choosing a lens — or a series of lenses — that will give you the power and flexibility to capture the world in a virtually unlimited number of ways. Nikon offers the largest selection of interchangeable lenses, from fisheye to super-telephoto. And behind every lens is a history of Nikon quality and innovation that has consistently set new standards of excellence. Nikon technological advances have expanded the photographer's ability to accurately record, or creatively interpret, what he or she sees.

Nikon's most remarkable innovation, however, may be its consistent use of the Nikon F lens mount. Even Nikon's newest and most advanced lenses can be easily attached to the stainless steel F mounts of Nikon cameras dating back to the Eisenhower era. So invest in a Nikkor with confidence.



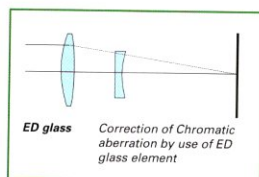
GREAT LENSES START WITH GREAT OPTICAL GLASS

Nikon standards for glass purity are so exacting, we had to build our own glassworks to produce high quality glass for Nikkor lenses. Nikon lens designers can choose from among 200 types of glass, so every lens element leads to perfect results. If the right glass doesn't exist, Nikon invents it.

EXTRA-LOW DISPERSION GLASS — A NIKON INNOVATION

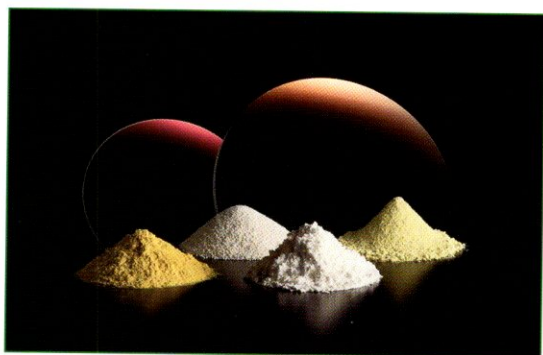
Even when you're using the most powerful Nikkor super-telephoto lens your pictures will be clear and sharp, with excellent color rendition. That's because many Nikkor telephoto

and super-telephoto lenses are made with ED glass, a Nikon innovation that eliminates the "color fringing" common with regular lens glass in longer focal lengths.



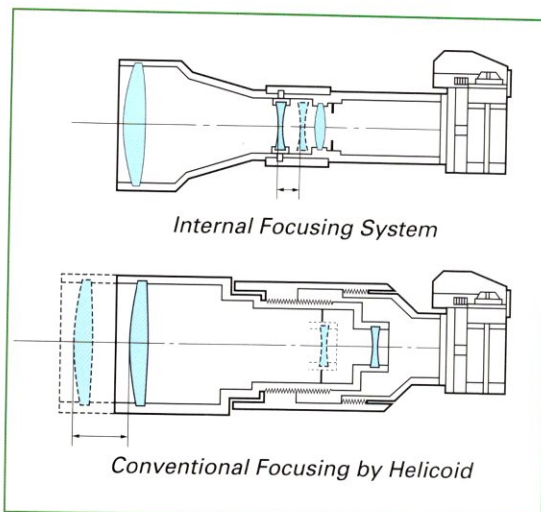
NIKON INTEGRATED COATING

Light is beautiful, but unless it is carefully controlled your pictures won't be. Nikon goes one step further. Nikon integrates multilayer coating into the design of each lens, making sure that just the right number of coatings are applied to each lens element. Flare is dramatically reduced, and there is a corresponding increase in image contrast and light transmission. Uniform color balance is achieved throughout the entire Nikkor line-up. The end result is the world's greatest pictures.



NIKON CLOSE RANGE CORRECTION SYSTEM

When focusing at extremely close distances, most lenses offer image quality that is diminished. Clearly, that isn't good enough for Nikon. We invented an entirely new system for close-range focusing. With Nikon CRC (close range correction), the lens elements shift position in relation to each other, so that at close shooting distances curvature of field is reduced to the bare minimum. High resolution is possible even at close distances.



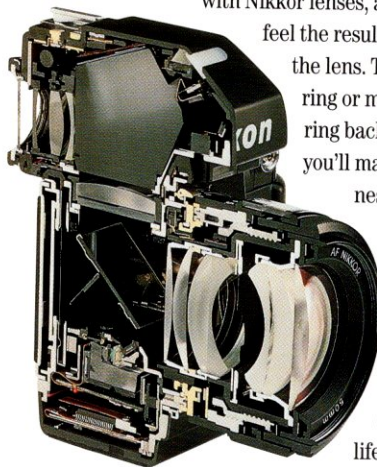
INTERNAL FOCUSING

When you're on assignment, you need the best telephoto equipment, not the heaviest. That's why Nikon invented Internal Focusing. With IF, only an internal small lens group shifts during focusing, which doesn't increase the size of the lens barrel. The IF lens is smaller, weighs less, and still achieves crisp, sharp focusing.

QUALITY MECHANICAL CONSTRUCTION

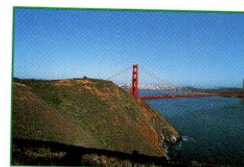
With a Nikkor lens there is no room for compromise. Nikon uses only the best materials and the latest manufacturing techniques. You can see the results in the pictures you take with Nikkor lenses, and you can also

feel the results when you operate the lens. Turn the focusing ring or move the aperture ring back and forth and you'll marvel at the smoothness. Every piece of the lens is machined to such exact tolerances that you're assured of extraordinarily smooth operation over a lifetime of use.



GOING TO ANY LENGTHS

From 6mm to 2000mm, choose the Nikkor lens that best meets your needs. The photos to the right show you how focal length affects the size of the subject in the final photograph.



20MM



35MM



50MM



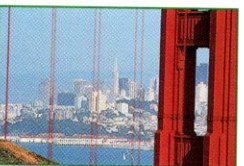
85MM



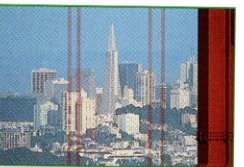
135MM



200MM



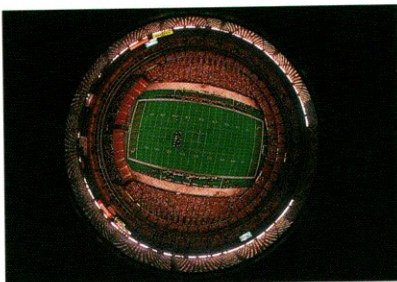
300MM



600MM

FISHEYE LENSES (6MM, 8MM, 16MM)

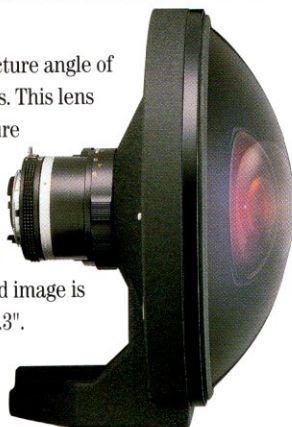
Originally developed for scientific or industrial applications, Fisheye lenses are now also widely used in advertising, commercial, and general photography. Fisheye lenses create a dramatic effect, showing the viewer the world as a fish might see it. With coverage up to 220° — virtually seeing backwards — Nikkor Fisheye lenses can add a new dimension to your photography.



6MM F/2.8 FISHEYE-NIKKOR AIS

Ideal for special effects, the extraordinary picture angle of 220° is 40° wider than standard fisheye lenses. This lens actually sees behind itself! Bright f/2.8 aperture for photographing in dim light or with fast shutter speeds. Close focusing down to 11 inches through-the-lens viewing and metering. Easy filter interchange; 5 filters are built into a revolving turret inside the lens. A round image is created on the film. Wt. 183.4 oz. Dim. 9.3 x 6.3".

Nikon Product Number: 1405 NAS

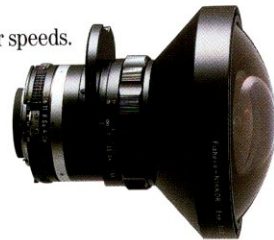


8MM F/2.8 FISHEYE-NIKKOR AIS

For special effect photography, as well as a variety of scientific and industrial applications, this lens is ideal. All-encompassing 180° fisheye coverage records everything in front of the camera, and produces a circular image on the film.

Bright f/2.8 aperture for dim light or fast shutter speeds. Close-focusing down to 1 foot. Full-aperture viewing and metering. Easy filter interchange: 5 filters are built into a revolving turret inside the lens. Wt. 38.8 oz. Dim. 4.8 x 5.0".

Nikon Product Number: 1402 NAS



16MM F/2.8 FISHEYE-NIKKOR AIS

Weighing only 10.5 ounces, and as small as a normal lens, this Fisheye is ideal for special effects applications where exceptional portability is a benefit — photojournalism, for example. 180° coverage for exaggerated perspective rendition. Bright f/2.8 aperture for photographing in dim light or with fast shutter speeds. Full-aperture viewing and metering. Easy filter interchange: 4 filters bayonet onto the back of the lens. High contrast images even at full aperture. Wt. 11.6 oz. Dim. 2.5 x 2.2".

Nikon Product Number: 1408 NAS



16MM F/2.8D AF* FISHEYE-NIKKOR

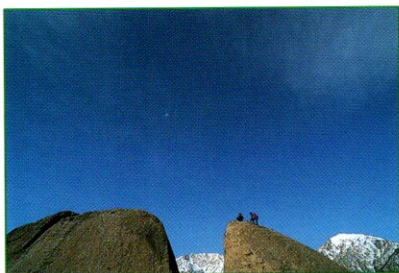
Combines the special effects advantages of 180° coverage with Nikon's advanced D-type autofocus lens technology. Distance information is automatically provided to the Nikon N90 camera, making 3D Matrix Metering and 3D Multi-Sensor Balanced Fill-Flash possible. Bright f/2.8 aperture for photographing in dim light or with fast shutter speeds. Full-aperture viewing and metering. Easy filter interchange. High-contrast images even at full aperture. Exceptionally lightweight for a fisheye lens. Wt. 10.1 oz. Dim. 2.5 x 2.2".

Nikon Product Number: 1910 NAS



ULTRA-WIDE ANGLE LENSES (13MM, 15MM, 18MM, 20MM)

Ultra-wide angle lenses are perfect for travel and landscape photography, or any application in which you



need to capture an expansive scene. Unlike fisheye lenses, which curve images, ultra-wide angle lenses render straight lines in the subject as straight lines in the photograph.

Another interesting feature of an ultra-wide angle lens is its ability to exaggerate the size of subjects close to the lens. By stretching out the apparent space between foreground and background, an ultra-wide angle lens creates a striking impression of three-dimensionality.

13MM F/5.6 NIKKOR AIS

118° picture coverage — the widest of any ultra-wide angle lens in 35mm photography. Ideal for single-shots of landscapes. Straight-line rendition of subjects. Nikon lens technology eliminates light fall-off and poor resolution in the frame corners typical of lenses with such wide coverage. Nikon Close-Range Correction System assures sharp images even at closest focusing distance (12 inches). Supplied with set of 4 filters. Wt. 42.3 oz. Dim. 4.5 x 3.5".

Nikon Product Number: 1410 NAS



15MM F/3.5 NIKKOR AIS

110° picture angle creates stunning landscape photographs. Also ideal for shooting in confined interior spaces. Straight-line rendition of subjects. Immense depth of field practically eliminates the need to focus at smaller f-stops. Close-Range Correction System insures sharp images even at a distance of 12 inches. Supplied with set of 4 filters which bayonet onto the back of the lens. Wt. 22.2 oz. Dim. 3.5 x 3.3".

Nikon Product Number: 1412 NAS



*AF designation means lens is an autofocus lens. All AF lenses can also be focused manually.

Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

18MM F/2.8D AF NIKKOR

This lens has an exceptionally wide angle of view and outstanding image quality. Center-to-edge sharpness is superb, with excellent control of distortion and aberration. Aspherical lens and rear-focusing system ensures superior optical performance. Fast f/2.8 maximum aperture with ultra-wide angle of view. Compact and lightweight for easy handling. Wt. 13.6 oz. Dim. 3.3 x 2.3".

Nikon Product Number: 1911 NAS



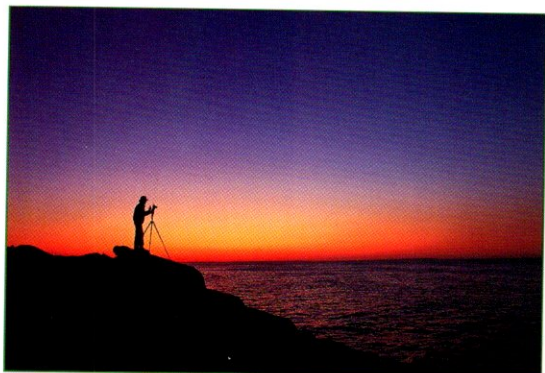
20MM F/2.8 AF NIKKOR AIS

This extremely bright ultra wide-angle autofocus lens allows for pinpoint focusing even in dim light. 94° picture coverage with edge-to-edge sharpness. Tremendous depth of field enables quick shooting for action photography. Close-Range Correction for distortion-free pictures as close as 10 inches. Superior Nikon lens technology eliminates light fall-off even when wide open. Accepts 62mm filters. Wt. 9.2 oz. Dim. 2.6 x 1.7".

Nikon Product Number: 1912 NAS



WIDE-ANGLE LENSES (24MM, 28MM, 35MM)



When you're shooting "on the run," with no time to focus or compose carefully, Nikon wide-angle lenses are a smart choice. The picture angle is large, depth of field is ample, and the optics are fast. Shoot under a wide range of lighting conditions with confidence. Nikkor wide-angle lenses have a variety of applications, including photojournalism, commercial, and travel photography.

24MM F/2 NIKKOR AIS

Wide 84° picture angle, extra depth of field, and a large f/2 maximum aperture make this lens suitable for many applications, but especially those that involve shooting with available light. Shoot landscapes, candid, sports, or interiors.



Weights only 10.5 ounces. Superb picture quality, even as close as 12 inches, thanks to Nikon's Close-Range Corrections System. Accepts 52mm filters. Wt. 10.6 oz. Dim. 2.5 x 2.0".

Nikon Product Number: 1417 NAS

24MM F/2.8D AF NIKKOR

An ideal wide-angle lens with excellent optical performance. Autofocus operation is fast and accurate, and the lens' light weight and compactness make it highly versatile. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Close-Range Correction System ensures high resolution down to 15 inches. Wt. 9.5 oz. Dim. 2.6 x 1.8".

Nikon Product Number: 1919 NCP



28MM F/1.4D AF NIKKOR

This exceptionally fast autofocus wide-angle lens is perfect for low-light photography. No photojournalist should board a plane without one. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Accepts 72mm filters. Wt. 18.3 oz. Dim. 3.0 x 3.1".

Nikon Product Number: 1921 NAS



28MM F/2 NIKKOR AIS

Considered the standard wide-angle lens, this 28mm gives you a picture angle of 74°, and a fast f/2 maximum aperture for easy focusing even in very dim light. Ideal for candid, cityscapes, travel photography. Sharp images at all apertures. Close-Range Correction System for edge-to-edge sharpness at minimum focusing distance of 11 inches. Weighs only 12.7 ounces. Accepts 52mm filters. Wt. 12.7 oz. Dim. 2.5 x 2.3".

Nikon Product Number: 1419 NAS



28MM F/2.8 AF NIKKOR AIS

Designed for the photographer who wants to carry only one wide-angle lens, the 28mm f/2.8 AF Nikkor offers exceptional flexibility, from landscapes to star trails. 74° picture coverage. Focus down to 9 inches: Close-Range Correction System ensures sharpness. Accepts 52mm filters. Wt. 8.8 oz. Dim. 2.5 x 1.8".

Nikon Product Number: 1917 NCP



35MM F/1.4 NIKKOR AIS

One of the fastest Nikkor wide-angle lenses, for easy pinpoint focusing, even indoors in dim light. 62° picture coverage. Extra depth of field for spur-of-the-moment "grab shots." Close-Range Correction System for sharp pictures down to 12 inches. Accepts 52mm filters. Wt. 14.1 oz. Dim. 2.7 x 2.4".

Nikon Product Number: 1429 NAS



35MM F/2 AF NIKKOR AIS

A popular choice for travel photography and candid, the 35mm f/2 AF Nikkor offers autofocus capability, plus 62° picture coverage, additional depth of field, and a wide maximum aperture. Compact size, light weight. Accepts 52mm filters. Wt. 9.9 oz. Dim. 2.5 x 2.0".

Nikon Product Number: 1920 NCP



Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

NORMAL LENSES (50MM)

"Normal" lenses earned their name by offering photographers an angle of view closest to that of the human eye, around 45°. Normal lenses also offer wide maximum apertures, which make available light photography possible even in low-light situations.

The combination of features makes "Normal" lenses very useful in a wide range of applications, from candids to landscapes.



50MM F/1.2 NIKKOR AIS

This incredible ultra-fast lens is ideal for candids, scenics, and other available-light shooting. Image quality is superb. It is extremely well corrected for coma and spherical aberration. Accepts 52mm filters.

Wt. 13.4 oz. Dim. 2.7 x 1.9".

Nikon Product Number: 1435 NAS



50MM F/1.4 AF NIKKOR AIS

One of the most widely used autofocus lenses in all of photography. Fast enough for shooting in just about any type of light. Distortion-free images with superb resolution and color rendition. Weighs only 8.8 ounces. An ideal first lens, perfect for full-length portraits, travel photography, or any type of available-light shooting. Accepts 52mm filters.

Wt. 8.8 oz. Dim. 2.5 x 1.6".

Nikon Product Number: 1904 NCP



50MM F/1.8 AF NIKKOR AIS

An affordable Nikkor that combines the ease of autofocus operation with advanced Nikon optics. Ideal for scenery or full-length portraits. Weighs only 5.1 ounces. Stops down to f/22 for additional depth of field control. Accepts 52mm filters. Wt. 5.1 oz. Dim. 2.5 x 1.1".

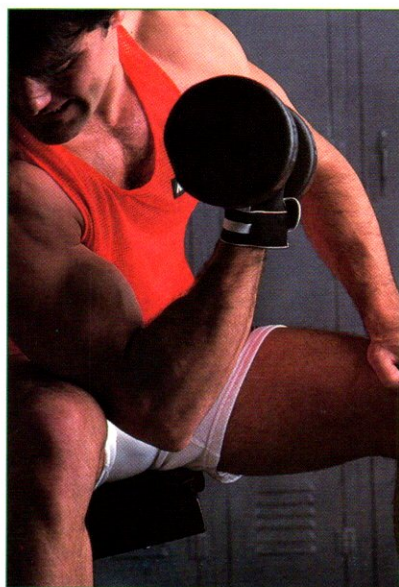
Nikon Product Number: 1906 NCP



MODERATE TELEPHOTO LENSES (85MM, 105MM)

Portraits or candids that include just the head and shoulders of your subject are often the most desirable. Unfortunately, getting close enough to achieve that result can make your subject feel uncomfortable. That's where moderate telephoto lenses come in handy. They're specially

designed to let you fill up the frame with your subject, without getting too close. Other applications for moderate telephoto lenses include photographing distant landscapes or isolating important details in cityscapes.



85MM F/1.4 NIKKOR AIS

The fastest telephoto in the Nikkor line. Beautiful selective focus at maximum aperture makes this lens ideal for people pictures. The first telephoto lens to employ Nikon's Close-Range Correction System, ensuring high resolution down to a close focusing distance of 36 inches. Accepts 72mm filters. Wt. 21.9 oz. Dim. 3.2 x 2.5".

Nikon Product Number: 1450 NAS



105MM F/1.8 NIKKOR AIS

Ideal for candids, portraits, sports, and available-light shooting. The fastest lens on the market in the 100 - 105mm class. Shallow depth of field and natural perspective insure life-like portraits. Uses 62mm filters. Wt. 20.5 oz. Dim. 3.1 x 3.2".

Nikon Product Number: 1457 NAS



105MM F/2D AF DC-NIKKOR

Nikon defocus control offers new creative possibilities for shallow depth-of-field portrait photography. Photographers can fine-tune the foreground or background image area, creating unique blurred effects. Autofocus option. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Wt. 21.9 oz. Dim. 3.0 x 4.1".

Nikon Product Number: 1932 NAS



105MM F/2.5 NIKKOR AIS

Considered the classic portrait lens, with ideal picture coverage of 23°. Relatively large maximum aperture is convenient for pinpoint focusing and shooting in available light. Focuses down to 42 inches. Uses standard 52mm filters. Wt. 15.3 oz. Dim. 2.5 x 2.7".

Nikon Product Number: 1456 NCP



85MM F/1.8 AF NIKKOR AIS

Autofocus capability for easy indoor or outdoor portraiture. Exceptionally compact for a telephoto lens. Focuses down to 36 inches. Accepts 62mm filters. An excellent choice for your first telephoto lens. Wt. 14.6 oz. Dim. 2.8 x 2.3".

Nikon Product Number: 1930 NCP



Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

TELEPHOTO LENSES (135MM, 180MM, 200MM, 300MM)

Telephoto lenses pull in distant scenes, allowing you to create dramatic frame-filling photographs of sports, wildlife, or any other subject. Subject stands out from background for dramatic compositions.



135MM F/2 AF-DC NIKKOR AIS

Features unique Nikon Defocus-image Control technology, which allows you to control background and foreground blur for striking portraits. Autofocus capability. Large maximum aperture for shooting in dim light.



Accepts 72mm filters. Wt. 30.7 oz. Dim. 3.1 x 4.7".

Nikon Product Number: 1934 NAS

135MM F/2.8 NIKKOR AIS

An excellent choice for action photography and available light shooting. Very compact and light for a lens of this focal length. Stops down to f/32. Accepts 52mm filters.

Wt. 15.3 oz. Dim. 2.5 x 3.3".

Nikon Product Number: 1462 NCP



180MM F/2.8N ED-IF AF NIKKOR AIS

Ideal for sports, action, or news photography. Features Nikon IF (Internal Focusing) technology — lenses inside the barrel adjust, without requiring an extension of the barrel. Autofocus capability. Nikon ED glass assures superb sharpness and image quality.



Accepts 72mm filters. Wt. 28.2 oz. Dim. 3.1 x 5.1".

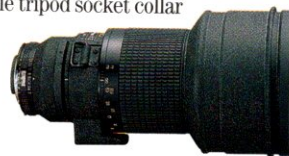
Nikon Product Number: 1939 NAS

200MM F/2 ED-IF NIKKOR AIS

The professional's choice for sports and action photography. Fast f/2 maximum aperture allows high shutter speeds in lower light. Shooting at f/2 isolates subject from background for sharpness and clarity. Nikon ED glass assures sharp images. Nikon Internal Focusing. 360° rotatable tripod socket collar offers quick and secure change from horizontal to vertical format. Accepts 122mm filters.

Wt. 89.9 oz. Dim. 5.2 x 8.9".

Nikon Product Number: 1465 NAS



300MM F/2.8D ED-IF AF-I NIKKOR AIS

Nikon technology makes this lens ideal for sports photography. D-type lens technology provides distance information to Nikon N90 and N50 cameras.

Instant manual focus override just by touching

the focus ring. ED glass for sharp, colorful pictures. Accepts 39mm filters. Wt. 104.1 oz. Dim. 4.9 x 9.5".

Nikon Product Number: 1942 NAS



300MM F/4 ED-IF AF NIKKOR AIS

Spectacular telephoto effects can be achieved with this exceptionally lightweight telephoto lens. Ideal for travel photography, fast-moving sports, and wildlife. Nikon Internal Focusing for compactness. Nikon ED glass assures sharp images. 360° rotatable tripod socket collar. Accepts 39 or 82mm filters. Wt. 46.9 oz. Dim. 3.5 x 8.6".

Nikon Product Number: 1946 NAS



SUPER-TELEPHOTO LENSES (400MM, 600MM, 800MM)

Super-Telephoto lenses deliver the ultimate in telephoto photography. Nikon offers the widest variety of this type of lens, plus exclusive Nikon technology that can help you get the most out of your sports, wildlife, or creative photography.



400MM F/2.8 ED-IF NIKKOR AIS

Exceptionally wide maximum aperture for a 400mm lens, ideal for creating dramatic, frame-filling images in dim light.

Internal Focusing technology assures smooth focusing without any extension of the lens barrel. ED glass for sharp images.

Accepts 52mm filters. Wt. 181.7 oz. Dim. 6.4 x 14.9".

Nikon Product Number: 1499 NAS



Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

400MM F/2.8D ED-IF AF-I NIKKOR

Advanced autofocus capability combined with an exceptionally wide maximum aperture make this lens a "must have" for sports or wildlife photography – especially in low-light situations. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Nikon Internal Focusing assures smooth focusing action without extension of lens barrel. Built-in D/C coreless focus-driving motor assures lightning fast autofocus operation. ED glass for sharp images. Accepts 52mm filters. Wt. 222.2 oz. Dim. 6.2 x 4.8".

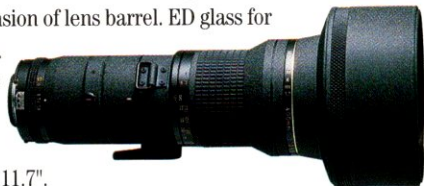
Nikon Product Number: (to be announced)
Available late 1994



400MM F/3.5 ED-IF NIKKOR AIS

For capturing fast-moving sports action in a variety of lighting conditions. Nikon Internal Focusing assures smooth focusing without extension of lens barrel. ED glass for sharp images. Accepts 39 or 122mm filters. Wt. 98.8 oz. Dim. 5.3 x 11.7".

Nikon Product Number: 1473 NAS



400MM F/5.6 ED-IF NIKKOR AIS

For the sports, wildlife, or travel photographer who prefers to carry a lighter lens. Nikon Internal Focusing assures smooth focusing action without extension of lens barrel. ED glass for sharp images. Accepts 72mm filters. Wt. 42.3 oz. Dim. 3.3 x 10.0".

Nikon Product Number: 1489 NAS



500MM F/4 P IF NIKKOR AIS

This exceptional internal focusing lens includes a CPU making it compatible with all exposure modes available with Nikon advanced cameras. Incorporates ED glass for sharp, crisp images. Accepts 39mm filters.



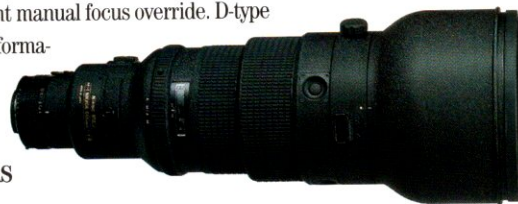
Wt. 105.8 oz.
Dim. 5.4 x 15.1".

Nikon Product Number: 1447 NAS

600MM F/4D ED-IF AF-I NIKKOR AIS

Built-in D/C coreless focus-driving motor assures lightning fast autofocus operation. Great for sports photography. Instant manual focus override. D-type lens technology provides distance information to Nikon N90 and N50 cameras. ED glass. Accepts 39mm filters. Wt. 213.4 oz. Dim. 6.5 x 16.4".

Nikon Product Number: 1951 NAS



600MM F/4N ED-IF NIKKOR AIS

The same level of magnification as the 600mm f/4, but without the focus-driving motor. Another good option for sports photographers. Internal Focusing technology for smooth focusing action without extension of the lens barrel.

ED glass for sharp, colorful pictures. Accepts 39mm filters. Wt. 199.3 oz. Dim. 6.8 x 18.3".

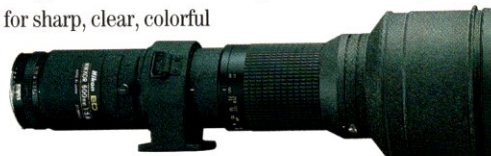
Nikon Product Number: 1492 NAS



600MM F/5.6N ED-IF NIKKOR AIS

Relatively compact and light for its long focal length. Ideal for sports, wildlife, and available-light shooting. Internal Focusing technology assures smooth focusing action without any extension of the lens barrel. Nikon ED glass for sharp, clear, colorful telephoto pictures. Accepts 39mm filters. Wt. 98.8 oz. Dim. 5.2 x 15.3".

Nikon Product Number: 1494 NAS



800MM F/5.6 ED-IF NIKKOR AIS

Frame-filling 16X magnification of the subject. Ideal for sports, wildlife, or astrophotography.

Internal Focusing technology assures smooth focusing action without extension of the lens barrel. ED glass for sharp, colorful pictures. Accepts 52mm filters. Wt. 192.2 oz. Dim. 6.4 x 21.5".

Nikon Product Number: 1446 NAS



REFLEX LENSES (500MM, 1000MM, 2000MM)

Reflex-Nikkors employ the same magnification technology as powerful mirror-reflex telescopes. This makes them ideal for creating dramatic frame-filling photographs of far-off subjects. And because reflex lenses essentially fold the light path, they're smaller and lighter than conventional lenses with equivalent focal lengths.



500MM F/8N REFLEX-NIKKOR

An essential tool for every sports and wildlife photographer. Narrow 5° picture angle provides 10X magnification of the subject. Catadioptric (mirror) design eliminates chromatic aberration for outstanding picture quality. Focuses down to 5 feet. Accepts 39 or 82mm filters. Wt. 29.6 oz. Dim. 3.5 x 4.3".

Nikon Product Number: 953 NCP



1000MM F/11N REFLEX-NIKKOR

Ideal for photographing shy or dangerous animals. Powerful frame-filling 20X magnification. Outstanding picture quality. Very compact and light for its long focal length. Wt. 67.0 oz. Dim. 4.7 x 9.2".

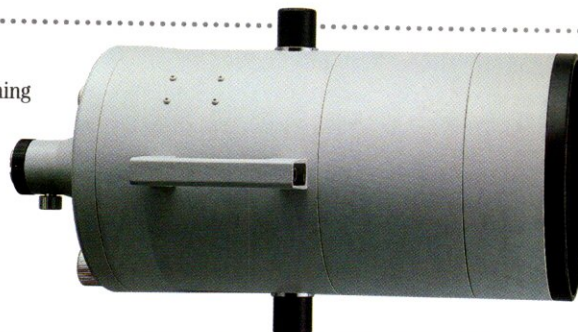
Nikon Product Number: 952 NAS

2000MM F/11 REFLEX-NIKKOR

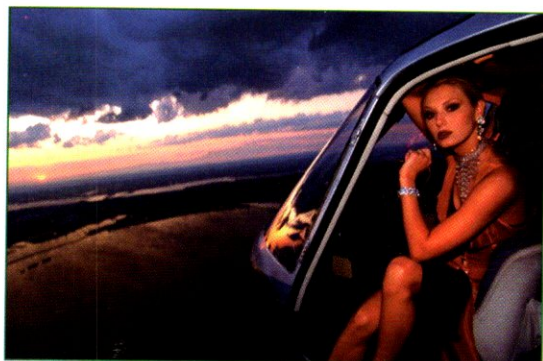
Incredible 40X magnification provides stunning photographs of sports, wildlife, or the night sky. Outstanding image quality. Simple operation via two built-in knobs — one for focusing and the other for filter selection.

Wt. 617.3 oz. Dim. 10.3 x 23.4".

Nikon Product Number: 978 NAS



ZOOM LENSES (20-35MM, 24-50MM, 35-70MM, 50-300MM, 80-200MM, 200-400MM, 180-600MM, 360-1200MM)



Zoom-Nikkor lenses offer excellent image quality and convenience. You can change focal lengths quickly, cropping subjects in the viewfinder, without ever having to change lenses or your shooting position.

feet. Superb picture quality at every focal length. Accepts 62mm filters. Wt. 13.2 oz. Dim. 2.8 x 2.9".

Nikon Product Number: 1954 NCP

28-70MM F/3.5-4.5D AF ZOOM-NIKKOR AIS

Zoom from wide-angle to short telephoto by turning zoom control. Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras.

Autofocus for ease-of-use. Focus down to 16 inches. Accepts 52mm filters. Wt. 12.5 oz. Dim. 2.7 x 2.8".

Nikon Product Number: 1956 NCP



28-85MM F/3.5-4.5 AF ZOOM-NIKKOR AIS

Gives you the flexibility to take pictures in the most popular focal lengths, all with one lens. Ideal for portraits or travel photography. Autofocus for ease-of-use. Focus down to 10 inches for dramatic close-ups. Accepts 62mm filters. Wt. 19.0 oz. Dim. 2.8 x 3.5".

Nikon Product Number: 1959 NCP



20-35MM F/2.8D AF ZOOM-NIKKOR

A new, incredibly sharp and fast wide-angle zoom that incorporates three popular focal lengths — 20mm, 24mm and 35mm. Holds its f/2.8 speed over the entire range of focal lengths. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Accepts 77mm filters. Wt. 22.6 oz. Dim. 3.2 x 3.7".

Nikon Product Number: 1953 NAS



35-70MM F/2.8D AF ZOOM-NIKKOR

One of the fastest Zoom-Nikkors, capable of handling low-light shooting situations. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Constant 2.8 aperture throughout entire zoom range. Autofocus for ease-of-use. Focus down to 11 inches. Accepts 62mm filters. Wt. 23.8 oz. Dim. 2.8 x 3.7".

Nikon Product Number: 1963 NAS



35-80MM F/4-5.6D AF ZOOM-NIKKOR AIS

Weighing in at only 8.5 ounces, this powerful little zoom is ideal for travel photography. Autofocus for ease-of-use. Focus down to 14 inches. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Accepts 52mm filters. Wt. 9.0 oz. Dim. 2.6 x 2.4".

Nikon Product Number: 1970 NCP



Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

35-105MM F/3.5-4.5 AF ZOOM-NIKKOR AIS

Extensive 3X zoom range for wide-angle, normal, telephoto, and macro photography, by sliding the zoom control. A great autofocus travel lens. Focus down to 11 inches. Accepts 52mm filters. Wt. 18.0 oz. Dim. 2.8 x 3.4".

Nikon Product Number: 1967 NCP



35-135MM F/3.5-4.5N AF ZOOM-NIKKOR AIS

A wide-angle-to-medium telephoto lens, great for travel, candid, portraits, and close-ups. Autofocus for ease-of-use. Focus down to 12 inches. Accepts 62mm filters. Wt. 24.2 oz. Dim. 2.9 x 4.3".

Nikon Product Number: 1969 NCP



35-200MM F/3.5-4.5 ZOOM-NIKKOR AIS

A versatile wide-angle-to-telephoto lens. Focus and compose quickly with one-touch focus zoom ring. Great for candid, full-length, and head-and-shoulder portraits. Focus to 12 inches. Accepts 62mm filters. Wt. 26.1 oz. Dim. 2.8 x 4.7".

Nikon Product Number:

1445 NAS



50-300MM F/4.5 ED ZOOM-NIKKOR AIS

An ideal all-around zoom for sports photography and photojournalism because of its exceptionally wide zoom coverage, ranging from normal to telephoto. ED glass for outstanding quality. Focus to 8.5

feet. Accepts 95mm filters. Wt. 68.8 oz. Dim. 3.9 x 9.4".

Nikon Product Number: 1483 NAS



70-210MM F/4-5.6D AF ZOOM-NIKKOR AIS

Popular mid-range zoom, suitable for many applications, including portraiture and travel photography. Autofocus for ease-of-use. Focus down to 46 inches. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Wt. 20.8 oz. Dim. 2.9 x 4.3".

Nikon Product Number: 1979 NCP



75-300 F/4.5-5.6 AF ZOOM-NIKKOR AIS



Fill the frame with distant sports figures with this powerful, versatile telephoto zoom. Autofocus for ease-of-use. Focus down to

5 feet. Accepts 62mm filters. Wt. 30.0 oz. Dim. 2.8 x 6.5".

Nikon Product Number: 1982 NCP

Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

80-200MM F/2.8D AF ED IF

The world's fastest telephoto zoom lens, ideal for indoor sports photography and photojournalism in dim light. Incorporates Autofocus and Internal Focusing technology. D-type lens technology provides distance information to Nikon N90 and N50 cameras. ED glass for sharp pictures. Wt. 45.9 oz. Dim. 3.4 x 7.4".

Nikon Product Number: 1985 NAS



180-600MM F/8 ED ZOOM-NIKKOR

Spectacular zoom range makes this powerful Nikkor ideal for photojournalism, as well as sports and wildlife photography. Focus down to 8.5 feet. Nikon ED glass for sharp pictures. Accepts 95mm filters. Wt. 127.0 oz. Dim. 4.1 x 15.6".

Nikon Product Number: 1490 NAS



1200-1700MM F/5.6-8 ED P ZOOM-NIKKOR

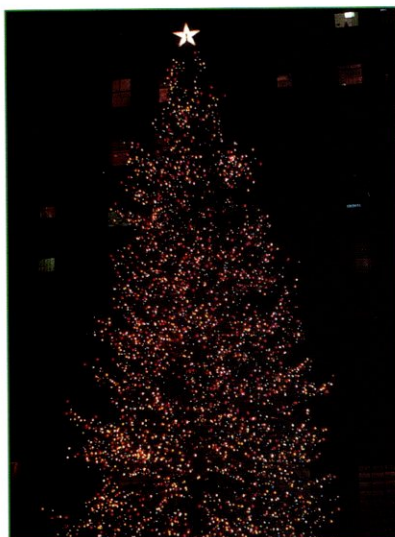
An incredibly unique and powerful zoom lens, ideal for wildlife photography. Focus down to 35 feet. Nikon ED glass for sharp pictures. Special orders only. Wt. 564.4 oz. Dim. 9.3 x 34.6".

Nikon Product Number: 1448 NAS



SPECIAL PURPOSE LENSES (NOCT, MICRO, MEDICAL, PC, UV)

While Nikkor lenses are noted for their versatility, certain special photographic applications, such as perspective-controlled 35mm architectural photography, require unique design characteristics. Nikon offers a complete line of Special Purpose lenses to fit every need.



58MM F/1.2 NOCT-NIKKOR

Superb for available-light shooting in the dimmest light. Ultra-fast maximum aperture produces bright, easy-to-focus image in viewfinder. Improved optical system provides virtually distortion-free performance down to the closest focusing distance of 21 inches. Aspherical lens element corrects for coma, making bright points of light appear as dots. Accepts 52mm filters. Wt. 16.4 oz. Dim. 2.9 x 2.0".

Nikon Product Number: 1439 NAS



55MM F/2.8 MICRO-NIKKOR AIS

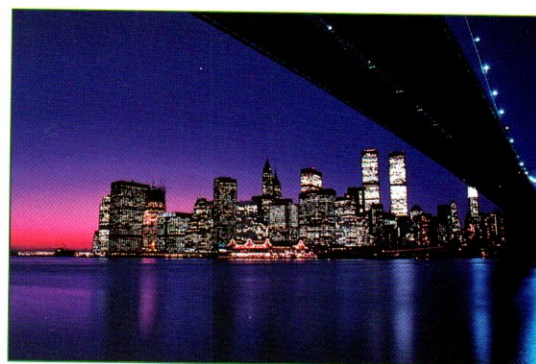
An ideal close-up lens that offers normal perspective. Focuses continuously from infinity down to 1/2 lifesize. Stops down to f/32 for additional depth of field. Accepts 52mm front screw-in filters. Requires PK-13 ring for 1:1 reproduction, Nikon Product Number 2653 NCP.

Nikon Product Number: 1442 NAS

60MM F/2.8D AF MICRO-NIKKOR

This lens provides an exceptional range of applications and high-quality performance. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Close-Range Correction System ensures high resolution from infinity to close-ups down to 8 3/4 inches (1:1 reproduction ratio). A-M (Automatic-Manual) switch enables quick changing from autofocus to manual focus. Wt. 16 oz. Dim. 2.8 x 3".

Nikon Product Number: 1987 NCP



105MM F/2.8D AF MICRO-NIKKOR

This lens adds extra free working distance for multiple lighting techniques. The lens' 105mm focal length makes it suitable for portrait composition, while close-focusing enables detail work. D-type lens technology provides distance information to Nikon N90 and N50 cameras. Close-Range Correction System. Focuses from infinity to 12 inches (1:1 reproduction ratio). A-M (Automatic-Manual) switch. Wt. 19.6 oz. Dim. 3 x 4.2".

Nikon Product Number: 1988 NCP



actively compact size. 11mm off-axis shift and 360° rotation capability. 74° picture coverage. Accepts 72mm filters. Wt. 13.4 oz. Dim. 3.1 x 2.5".

Nikon Product Number: 1024 NAS



200MM F/4D IF-ED MICRO-NIKKOR

The extra long focal length of this lens provides the most versatile working distance. Extra Low Dispersion (ED) glass ensures apochromatic-like performance, with high contrast and sharper images. ED glass has been incorporated into selected elements for superior optical performance. Internal focusing improves handling and focusing operation. Focuses from infinity to 19.4 inches (1:1 reproduction ratio). D-type lens technology provides distance information to N90 and N50 cameras.

A-M (Automatic-Manual) switch.
Wt. 42.3 oz. Dim. 3 x 7.7".

Nikon Product Number: 1989 NAS



35MM F/2.8 PC-NIKKOR

Also features Nikon "Perspective Control" technology, indispensable for architectural and interior photography. Offers the versatility of a view camera in a relatively compact size. 11mm off-axis shift and 360° rotation capability. 62° picture coverage. For 7X magnification, mount lens in reverse on bellows unit. Compatible with 52mm filters. Wt. 11.3 oz. Dim. 2.4 x 2.4".

Nikon Product Number: 1025 NAS



200MM F/4 IF MICRO-NIKKOR AIS

Ideal for close-up shots of inaccessible subjects. Nikon Internal Focusing technology keeps the size of the lens unchanged as you focus. Continuous operation from infinity to a reproduction ratio of 1:2. Accepts 52mm filters.

Nikon Product Number: 1468 NAS



105MM F/4.5 UV NIKKOR AIS

This lens has been specially manufactured for use with UV light. Its highly transmissive properties allow UV rays to pass virtually unimpeded through the multi-lens design. It is supplied with an AF-1 Gel Holder, UR-2 Adapter Ring and Nikon UV filter.

Wt. 18.2 oz. Dim. 2.7 x 4.3".

Nikon Product Number: 1453 NAS



120MM F/4 IF MEDICAL-NIKKOR SET

Includes built-in ringlight flash for shadowless photography. A close-up system designed especially for medical, dental, and scientific applications. Nikon Internal Focusing technology keeps the size of the lens unchanged as you focus. Continuous operation from a reproduction of 1:11 down to 1:1 life-size. Requires AC Power Unit LA-2 (#4506) or DC Power Unit LD-2 (#4505) for flash operation.

Wt. 31.4 oz. Dim. 3.9 x 5.6".

Nikon Product Number: 983 NAS



28MM F/3.5 PC-NIKKOR

Features Nikon "Perspective Control" technology, indispensable for architectural and interior photography. Offers the versatility of a view camera in a rel-



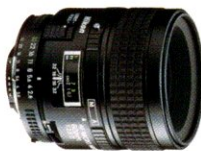
Nikon D-type lens technology provides distance information to Nikon N90 and N50 cameras, making 3D Matrix Metering and Matrix Balanced Fill-Flash possible. With the N90 and SB-25, 3D Multi-Sensor Balanced Fill-Flash is possible.

ALL-NEW MICRO-NIKKOR LENS SERIES

FROM INFINITY TO LIFE-SIZE —
THEY ARE UNEQUALED

Three new Micro-Nikkor lenses provide unprecedented focusing range. Each focuses from infinity to life-size on the film, a never-before-equalled feat in 35mm photography. And, with their superb optical performance, you can trust these lenses for nearly every picture-taking assignment.

60MM F/2.8 D AF MICRO-NIKKOR



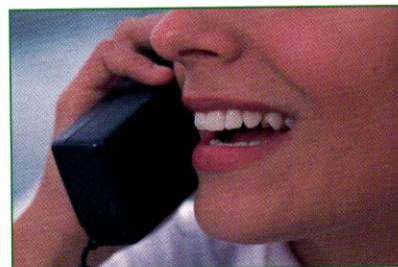
This new lens enhances the reputation of the Micro-Nikkor series even further.

D-type lens technology provides distance information to N90 and N50 cameras. This lens is a "must-have" for any serious photographer, providing an exceptional range of applications and high-quality performance.

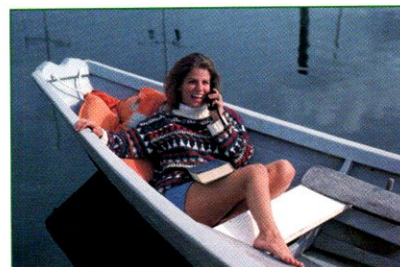
NEW

- Close-Range Correction system ensures high resolution from infinity to close-ups down to 8 3/4 inches.
- Focuses from infinity to life-size (1:1 reproduction ratio)
- A-M (Automatic-Manual) switch enables you to change quickly from autofocus to manual focus, without having to change the camera body's focus mode switch.

Nikon Product Number: 1987 NCP



SHOOT CLOSE



SHOOT FAR AWAY

CLOSE-RANGE CORRECTION

Most other lenses are optimized for focus at infinity, so pictures will always look their best at great distances. Nikon's Close-Range Correction challenges this concept with optical performance that smooths a lens' performance, so that focusing at infinity and up close will be excellent. Images will be sharp, and distortion due to curvature will be nearly non-existent.

D-TYPE LENS TECHNOLOGY

All of these lenses incorporate the Nikon Distance Signal. When used with the Nikon N90 or N50 distance technology offers enhanced exposure calculations.



The focal length of this lens adds extra working distance, enabling the more creative use of flash. The added working distance also provides additional comfort for subjects, and allows multiple lighting techniques. For general photography, the lens' 105mm focal length makes it

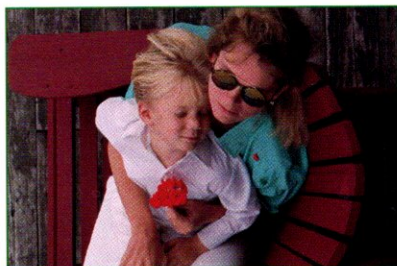
NEW

suitable for classic portrait composition, while its close-focusing capability enables interesting detail work. D-type lens technology provides distance information to N90 and N50 cameras.

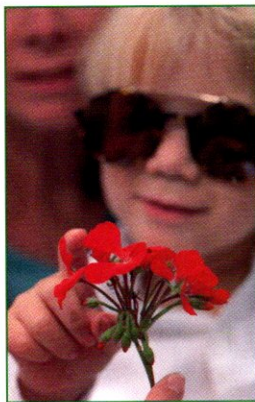
- Close-Range Correction system ensures high resolution from infinity to close-ups down to 12 inches.

- Focuses from infinity to life-size (1:1 reproduction ratio).
- A-M (Automatic-Manual) switch enables you to quickly change from autofocus to manual focus, without having to change the camera body's focus mode switch.

Nikon Product Number: 1988 NCP



ESTABLISH



MOVE IN



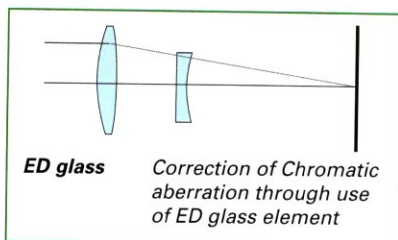
MOVE IN AGAIN

200MM F/4D IF-ED AF MICRO-NIKKOR -1:1 LIFE-SIZE REPRODUCTION WITHOUT ACCESSORIES - A FIRST FOR A 200MM LENS



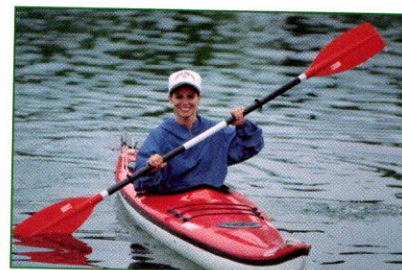
NEW

The extra long focal length of this lens provides the most versatile working distance when you simply can't get close to your subject. Internal focusing ensures easier handling and control. Extra Low Dispersion (ED) glass ensures apochromatic-like performance, with high contrast and sharper images. D-type lens technology provides distance information to N90 and N50 cameras. This lens is ideal for anyone who is serious about close-up photography and wants a superb all-around telephoto lens, suitable for both portraiture and candid work — all with excellent balance and handling.



NIKON'S EXCLUSIVE ED (EXTRA-LOW DISPERSION) GLASS HELPS TELEPHOTO LENSES LIKE THE NEW 200MM F/4 D IF-ED AF MICRO-NIKKOR CORRECT CHROMATIC ABERRATION

- ED glass has been incorporated into selected elements for superior optical performance
 - Internal focusing improves handling and focusing operation from infinity to close-ups down to 19.4 inches
 - Focuses from infinity to life-size (1:1 reproduction ratio)
 - An A-M switch and clutch mechanism ensure smooth manual focusing as well as fast and accurate change-over to autofocus operation
- Nikon Product Number: 1989 NAS**



THIS FAR



THIS CLOSE



THIS BEAUTIFUL

SPECIFICATIONS FOR NEW D-TYPE AF MICRO-NIKKOR LENSES

	60mm f/2.8 D AF Micro	105mm f/2.8 D AF Micro	200mm f/4 D IF ED AF Micro
Focal length	60mm	105mm	200mm
Maximum aperture	f/2.8	f/2.8	f/4.0
Lens construction	8 elements 7 groups	9 elements 8 groups	13 elements 8 groups
Angle of view	39° 40'	23° 20'	12° 20'
Closest focusing distance	8.75 in.	12 in.	19.4 in.
Reproduction ratio scale	1:10 - 1:1	1:10 - 1:1	1:10 - 1:1
Minimum aperture	f/32	f/32	f/32
Filter size	62mm	52mm	62mm
Tripod mounting collar			Provided
Dimensions	2.8 x 3 inches	3 x 4.2 inches	3 x 7.7 inches
Weight	16 oz.	19.6 oz.	42.3 oz.
Nikon Product Number	1987 NCP	1988 NCP	1989 NAS

ACCESSORIES FOR NEW D-TYPE MICRO-NIKKOR LENSES

Nikon Product Number (NCP unless otherwise noted)	Description	Hood Product #	Hard Case Product #	Pouch Case Product #	Plastic Case Product #	Adapter Ring Product #
1987 NCP	60mm f/2.8 D Micro-Nikkor	Screw-on HN-22/#566	CL-32S/#4503	No. 62/#4302	CP-9/#4511	SB-21's UR-3/#2396
1988 NCP	105mm f/2.8 D Micro-Nikkor	Snap-on HS-7/#541	CL-15S/#4453 NAS	No. 63/#4303		
1989 NAS	200mm f/4 D IF ED AF Micro- Nikkor	Screw-on HN-30/#4617	CL-45/#4464 NAS			

BUILDING YOUR SYSTEM

ALL THE RIGHT LENSES AT ALL THE RIGHT TIMES

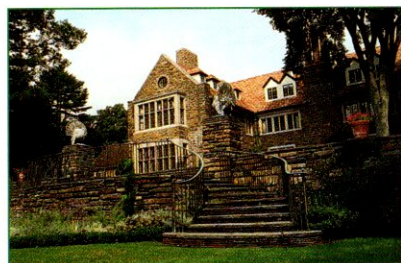
For almost all photographers, building a photographic system means adding lenses. That's because different lenses allow you to capture subjects in different ways. You can reach out, move up close, or simply shoot without being noticed. From travel, to people and portraits, to fast-action, this section will help you choose the Nikon lenses that are right for you along with their basic accessories.

TRAVEL

Great photos make for a great vacation. And the way to make your travel photos original and memorable is through the use of a series of Nikkor lenses.

BASIC TRAVEL LENS SELECTION

Your basic selections should include the four lenses shown in the chart to the right. The most basic travel lens is the Nikkor 35-80mm f/4-5.6 D AF Zoom. With this one lens, you can cover



scenics at 35mm, and instantly zoom out to emphasize nearby subjects at 80mm. Extending your range

even further is the Nikkor 70mm to 210mm f/4-5.6D AF Zoom. While capturing a new perspective, you can bring subjects up close, making them stand out dramatically from the background. Expansive scenics or frame-filling cityscapes can be captured with a choice of Nikkor wide-angle lenses. Choose the 28mm f/2.8 or the even wider 24mm f/2.8. And finally, to capture details in normal perspective (the same way your eye sees), there's the 60mm f/2.8 AF Micro-Nikkor. Shoot items in store windows. Details of outfits and jewelry. Exotic flowers and plants. Or everyday, normal shots, again without ever changing lenses.



ADVANCED TRAVEL SYSTEMS

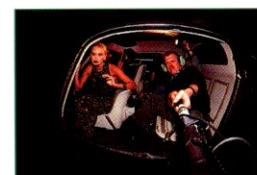
The more advanced travel systems expand your focal length range. For example, with an advanced travel system your basic zoom would be the 28-70mm f/3.5-4.5D AF Nikkor. Your expanded range zoom would be the 75mm-300mm f/4.5-5.6 AF Nikkor. Moving up to the Advanced+ and High Speed categories means you can shoot more effectively at lower light levels and use a larger range of aperture and shutter speed settings. You may also want to add a Nikon TC 1.4

"AN ARRAY OF LENSES HELP YOU CONTROL WHAT YOUR FEELING IS ABOUT A PARTICULAR SUBJECT — YOU'RE NOT LIMITED TO ONE WAY OF SEEING. WIDE-ANGLE LENSES LET YOU ESTABLISH AN ENTIRE SCENE. LONGER FOCAL LENGTH LENSES LET YOU CONCENTRATE ON SUBTLETIES, ISOLATING THEM FROM THE BACKGROUND. BY USING DIFFERENT LENSES, YOU'RE ACTUALLY GUIDING THE VIEWER'S EYE TO THE SUBJECT MATTER."

JILL ENFIELD



"I CHOSE THE NIKKOR 20 TO 35MM WIDEANGLE ZOOM LENS FOR THIS SHOT BECAUSE I KNEW IT WOULD ALLOW ME TO COMPOSE THE SHOT ANYWAY I WANTED WITHIN A VERY LIMITED WORKING SPACE. YOU CAN'T EXACTLY JUST FLY DOWN FOR MORE EQUIPMENT, SO YOU WANT ONE 'PIECE OF GLASS' THAT OFFERS TREMENDOUS FLEXIBILITY. BECAUSE I WAS EXTENDING THE CAMERA OUT OF THE HELICOPTER ON A BOOM, I WAS COUNTING ON NIKON TECHNOLOGY TO PULL THIS SHOT OFF...MY CONFIDENCE WAS WELL PLACED."



Teleconverter to your High Speed System, increasing your picture-taking range even further.

LENS ACCESSORIES

Things can get a little bumpy when you travel, so be sure to fit each Nikkor lens with a Skylight filter for protection. The same goes for lens hoods. Also consider a soft-focus filter for romance, and a color conversion filter, enabling you to shoot both in daylight and under incandescent lights.

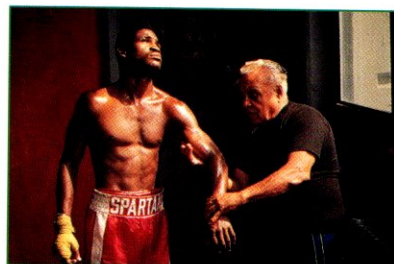
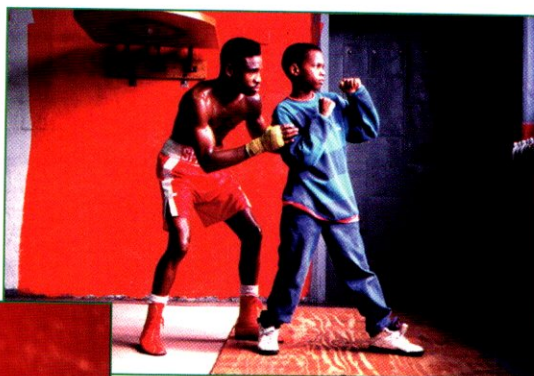
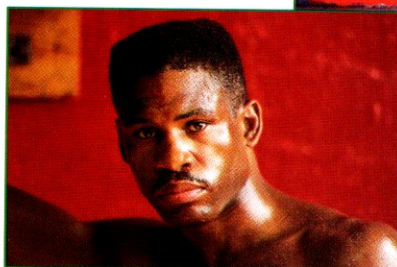
TRAVEL LENS SYSTEMS

	Basic	Advanced	Advanced +	High Speed
Telephoto Zoom				
75-300mm f/4.5-5.6 AF		#2 choice		
70-210mm f/4-5.6D AF		#2 choice		
80-200mm f/2.8D AF		#4 choice	#1 choice	#1 choice
Wideangle Zoom				
20-35mm f/2.8D AF				#1 choice
24-50mm f/3.3-4.5 AF			#1 choice	
28-70mm f/3.5-4.5D AF			#1 choice	
35-80mm f/4-5.6D AF	#1 choice		#2 choice	#1 choice
Wideangle				
28mm f/1.4D AF				#3 choice
28mm f/2.8 AF	#3 choice			
24mm f/2.8 AF	#3 choice	#3 choice		
20mm f/2.8 AF		#3 choice	#2 choice	
Teleconverter				
TC-14E 1.4x for AF-I lenses				#2 choice
Telephoto				
300mm f/2.8D AF				#2 choice
Micro Nikkor				
60mm f/2.8D AF	#4 choice		#3 choice	#1 choice

PEOPLE AND PORTRAITS

BASIC LENS SELECTION

Like travel, your first choice for shooting people and portraits is a zoom lens. But because moderate to longer focal length lenses are best for portraits, your basic choice is the Nikkor 70mm-210mm f/4-5.6D AF Zoom. This lens is also long enough to capture candids, which lend spontaneity and interest to people photography. Next, select a wideangle zoom that will allow you to capture groups of people at fairly close distances and yet adjust your composition—the Nikkor 28mm-70mm f/3.5-4.5D AF Zoom. Your final choice can be an 85mm or 105mm moderate telephoto Nikkor lens. Both of these lenses offer classic portrait length with large apertures, for greater shooting opportunities in dim light, while controlling depth of field.



"WHEN YOU PHOTOGRAPH PEOPLE, YOU'RE REALLY TRYING TO TELL A STORY ABOUT THEM. YOU WANT TO BE ABLE TO MOVE ALMOST INVISIBLY FROM WIDE ENVIRONMENTAL SHOTS TO TIGHTER CLOSE-UPS THAT HELP DEFINE CHARACTER. A SELECTION OF NIKKOR ZOOM LENSES ENABLES ME TO COMPOSE ENTIRELY DIFFERENT SCENES WITH A MINIMUM OF MOVEMENT THAT MIGHT DISTURB THE SUBJECT. FOR THE HIGHEST QUALITY PORTRAITS, THERE'S NO SUBSTITUTE FOR THE HIGH-SPEED 85MM AND 105MM NIKKOR LENSES."
JOE McNALLY

ADVANCED SYSTEMS

Advanced lens selections in this category provide the advantage of greater apertures. High speed selections make your photography more flexible and offer a wide range of aperture/shutter speed combinations.

LENS ACCESSORIES

Again, each of your Nikkor lenses should be fitted with a Skylight filter and lens hood for protection. For added flexibility, a color conversion filter will enable you to shoot both in daylight and under incandescent lights with the same film.

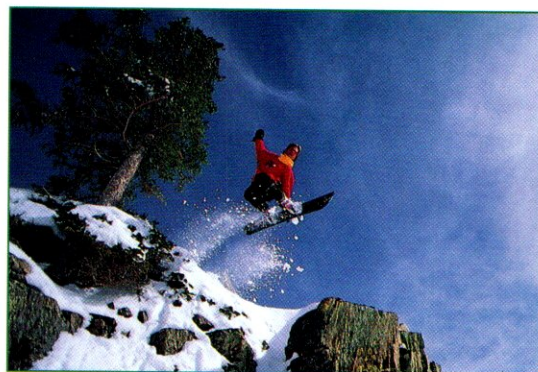
PEOPLE AND PORTRAIT SYSTEMS

	Basic	Advanced	High Speed
Telephoto Zoom			
75-300mm f/4.5-5.6 AF	#1 choice	#1 choice	
70-210mm f/4-5.6D AF		#2 choice	
80-200mm f/2.8D AF			#2 choice
Wideangle Zoom			
28-70mm f/3.5-4.5D AF	#2 choice		
35-105mm f/3.5-4.5 AF		#3 choice	
35-135mm f/3.5-4.5N AF		#3 choice	
Wideangle			
35mm f/2 AF			
28mm f/2.8 AF		#4 choice	
24mm f/2.8 AF		#4 choice	
20mm f/2.8 AF		#4 choice	
Telephoto			
85mm f/1.8 AF	#3 choice		
105mm f/2D AF	#3 choice		#1 choice
135mm f/2DC AF			#1 choice
180mm f/2.8N AF			#2 choice
Micro Nikkor			
105mm f/2.8D AF		#3 choice	#1 choice
200mm f/4D AF		#3 choice	



FAST ACTION

Nikkor lenses in this category offer extremely fast apertures, allowing you to shoot in lower light levels with a wider range of aperture and shutter speeds. Many are internal focusing, made of ED Glass, and are designed to meet the needs of the most demanding professionals. A notable addition to this category is the 20mm-35mm AF Wide-angle Zoom (used by Joe McNally in the helicopter sequence on the previous page). Fast-action lenses make you ready for anything — sports, portraits, events, travel and nature photography. If you want to be ready for anything, select your lenses within this category.



LENS ACCESSORIES

Your investment in these top-of-the-line Nikon lenses demands the protection offered by Skylight filters and lens hoods. Adding an array of other filters can greatly increase the quality of your photographs.

FAST-ACTION SYSTEMS

300mm f/2.8D AF
400mm f/2.8D AF
80-200mm f/2.8D AF
28mm f/1.4D AF
20mm f/2.8 AF
50mm f/1.4

TELECONVERTERS FOR NIKKOR SLR LENSES



TC-14A



TC-14B



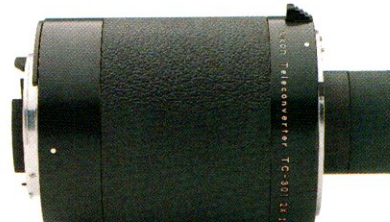
TC-14E



TC-20E



TC-201



TC-301

EXTENDING YOUR VISION

Increase the focal length of virtually any Nikkor SLR lens (including zoom lenses) by adding a Nikon Teleconverter. Nikon Teleconverters can be mounted in seconds between the lens and the camera, and can as much as double the effective focal length of the lens in use. For example a 1.4x teleconverter will increase the focal length of a 50mm lens to 70mm; a 2x Nikon Teleconverter will increase the focal length of a 50mm lens to 100mm; and so on.

Please note: Nikon Teleconverters represent the same attention to detail and quality as other Nikon products. However the use of teleconverters may have some inherent limitations (for example, a decrease in f/stop). Also, Nikon AF/AIS lenses must be manually focused when used with teleconverters. For greatest satisfaction, be sure to check the Lens/Teleconverter Compatibility chart below before choosing your Nikon Teleconverter.

NIKON TELECONVERTERS

Teleconverter

TC-14A	1.4x	Teleconverter for Nikkor AF/AIS lenses 200mm or less
TC-14B	1.4x	Teleconverter for Nikkor AF/AIS lenses 300mm or more
TC-201	2x	Teleconverter for Nikkor AF/AIS lenses 200mm or less
TC-301	2x	Teleconverter for Nikkor AF/AIS lenses 300mm or more
TC-14E	1.4x	Teleconverter for Nikkor AF-I lenses
TC-20E	2x	Teleconverter for Nikkor AF-I lenses

Nikon Product Number

1400	NCP
1401	NAS
1403	NCP
1404	NAS
1995	NAS
1997	NAS

LENS/ TELECONVERTER

COMPATIBILITY

The following table lists various Nikkor lenses which can be used in conjunction with Nikon Teleconverters TC-14A, TC-14B, TC-201 and TC-301; compatibility is detailed in the right hand columns.

- Perfectly matched with autofocus operation
- ◆ Matched, no autofocus operation
- Usable, but without filter
- Usable, but at a close focused distance, vignetting or other image deterioration may occur.
- ▲ Usable, but vignetting or other image deterioration may occur.
- + Not usable, because it cannot be mounted, or vignetting or other image deterioration will ruin the photo.

Note:

The smaller the aperture, the less vignetting. When these lenses are used at apertures smaller than f/11 with higher shutter speeds, there is occasional unevenness of illumination on the film.

Non-AI lenses cannot be used; even when AI-modified, some lenses cannot be used.

Caution:

Never attach the TC-14A to the GN-Nikkor 45mm f/2.8, the lens or TC-14A could be damaged.

	TC-14A	TC-14B	TC-201		TC-14A	TC-14B	TC-201		TC-14A	TC-14B	TC-201
AF NIKKOR											
AF 20-35mm f/2.8 D	◆	+	+		◆	+	+		◆	+	+
AF 24-50mm f/3.3-4.5	◆	+	+		◆	+	+		◆	+	+
AF 28-70mm f/3.5-4.5 D	◆	+	+		◆	+	+		◆	+	+
AF 28-85mm f/3.5-4.5	◆	+	+		+	+	+		◆	+	+
AF 35-70mm f/2.8 D	◆	+	+		◆	+	+		◆	+	+
AF 35-70mm f/3.3-4.5	◆	+	+		◆	+	+		◆	+	+
AF 35-80 f/4.5-5.6 D	◆	+	+		◆	+	+		◆	+	+
AF 35-105mm f/3.5-4.5	◆	+	+		◆	+	+		◆	+	+
AF 35-135mm f/3.5-4.5	◆	+	+		◆	+	+		◆	+	+
AF 70-210mm f/4.5-5.6 D	◆	+	+		◆	+	+		◆	+	+
AF 75-300mm f/4.5-5.6	▲	+	+		◆	+	+		◆	+	+
AF 80-200mm f/2.8 D	◆	+	+		◆	+	+		◆	+	+
AF 20mm f/2.8	◆	+	+		◆	+	+		◆	+	+
AF 24mm f/2.8	◆	+	+		◆	+	+		◆	+	+
AF 28mm f/1.4 D	◆	+	+		◆	+	+		◆	+	+
AF 28mm f/2.8	◆	+	+		◆	+	+		◆	+	+
AF 35mm f/2	◆	+	+		◆	+	+		◆	+	+
AF 85mm f/1.8	▲	+	+		◆	+	+		◆	+	+
AF 180mm f/2.8 ED IF	◆	+	+		◆	+	+		◆	+	+
AF 300mm f/2.8 ED IF	▲	+	+		◆	+	+		◆	+	+
AF 300mm f/4 ED IF	+	+	+		◆	+	+		◆	+	+
AF 50mm f/1.4	◆	+	+		◆	+	+		◆	+	+
AF 50mm f/1.8	◆	+	+		◆	+	+		◆	+	+
AF Micro 60mm f/2.8D	◆	+	+		◆	+	+		◆	+	+
AF Micro 105mm f/2.8D	+	+	+		◆	+	+		◆	+	+
AF Micro 200mm f/4D	+	+	+		◆	+	+		◆	+	+
AF DC 135mm f/2	+	+	+		◆	+	+		◆	+	+
AF-I NIKKOR											
AF-I 300mm f/2.8 D	+	+	+	○	+	+	+		+	+	+
AF-I 400mm f/2.8 D	+	+	+	○	+	+	+		+	+	+
AF-I 600mm f/4 D	+	+	+	○	+	+	+		+	+	+
ZOOM											
28-85mm f/3.5-4.5	◆	+	+		◆	+	+		◆	+	+
WIDEANGLE											
13mm f/5.6	◆	+	+		◆	+	+		◆	+	+
15mm f/3.5	◆	+	+		◆	+	+		◆	+	+
18mm f/3.5	◆	+	+		◆	+	+		◆	+	+
20mm f/2.8	◆	+	+		◆	+	+		◆	+	+
24mm f/2	◆	+	+		◆	+	+		◆	+	+
28mm f/1.4 D	◆	+	+		◆	+	+		◆	+	+
24mm f/2.8	◆	+	+		◆	+	+		◆	+	+
28mm f/2	◆	+	+		◆	+	+		◆	+	+
28mm f/2.8	◆	+	+		◆	+	+		◆	+	+
35mm f/1.4	◆	+	+		◆	+	+		◆	+	+
35mm f/2	◆	+	+		◆	+	+		◆	+	+
35mm f/2.8	◆	+	+		◆	+	+		◆	+	+
NORMAL											
50mm f/1.2	◆	+	+		◆	+	+		◆	+	+
50mm f/1.4	◆	+	+		◆	+	+		◆	+	+
50mm f/1.8	◆	+	+		◆	+	+		◆	+	+
TELEPHOTO											
85mm f/1.4	◆	+	+		◆	+	+		◆	+	+
85mm f/2	◆	+	+		◆	+	+		◆	+	+
105mm f/1.8	◆	+	+		◆	+	+		◆	+	+
105mm f/2 D	+	+	+		◆	+	+		◆	+	+
105mm f/2.5	◆	+	+		◆	+	+		◆	+	+
135mm f/2	◆	+	+		◆	+	+		◆	+	+
REFLEX											
500mm f/8	◆	■	▲	+	◆	+	+		◆	+	+
1000mm f/11	+	■	+	■	◆	+	+		◆	+	+
2000mm f/11	+	■	+	■	◆	+	+		◆	+	+
FISHEYE											
6mm f/2.8	◆	+	+	+	◆	+	+		◆	+	+
8mm f/2.8	◆	+	+	+	◆	+	+		◆	+	+
16mm f/2.8 D	◆	+	+	+	◆	+	+		◆	+	+
16mm f/2.8	◆	+	+	+	◆	+	+		◆	+	+
SPECIAL PURPOSE											
PC 28mm f/3.5	+	+	+	+	+	+	+		+	+	+
PC 35mm f/2.8	+	+	+	+	+	+	+		+	+	+
Micro 55mm f/2.8	◆	+	+	+	◆	+	+		◆	+	+
Noct 58mm f/1.2	◆	+	+	+	◆	+	+		◆	+	+
Micro 105mm f/2.8	◆	+	+	+	◆	+	+		◆	+	+
Micro 200mm f/4 IF	▲	+	+	+	◆	+	+		◆	+	+
Medical 120mm f/4 IF	+	+	+	+	+	+	+		+	+	+
UV 105mm f/4.5	+	+	+	+	+	+	+		+	+	+

CROSS REFERENCE TABLE OF LENSES AND FILTERS/CASES/HOODS

Lens	Filter (mm)	Lens Case	Lens Hood
WIDEANGLE			
13mm f/5.6	○ Bayonet	CL-14	Built-in
15mm f/3.5	○ Bayonet	CL-17	Built-in
18mm f/2.8D AF	77	CL-47	HB-8
20mm f/2.8	62	CL-30S NO. 61 CP-8	HK-14
20mm f/2.8 AF	62	CL-30S No. 61 CP-8	HB-4
24mm f/2	52	CL-31S No. 61 CP-8	HK-2
24mm f/2.8	52	CL-30S No. 61 CP-8	HN-1
24mm f/2.8D AF	52	CL-30S, No. 61	HN-1
28mm f/1.4D AF	72	CL-44 No. 62	HK-7
28mm f/2	52	CL-31S No. 62 CP-8	HN-1
28mm f/2.8	52	CL-30S No. 61 CP-8	HN-2
28mm f/2.8 AF	52	CL-30S	HN-2
35mm f/1.4	52	CL-31S No. 61 CP-8	HN-3
35mm f/2	52	CL-31S No. 61 CP-8	HN-3
35mm f/2 AF	52	CL-30S No. 61 No. 62	
		CP-8 CP-9	HN-3
35mm f/2.8	52	CL-30S No. 61 CP-8	HN-3

NORMAL			
50mm f/1.2	52	CL-34A No. 61 CP-8	HS-12, HR-2
50mm f/1.4	52	CL-34A No. 61 CP-8	HS-9, HR-1
50mm f/1.4 AF	52	CL-30S No. 61 CP-8	HR-2
50mm f/1.8 AF	52	CL-30S No. 61 CP-8	HR-2
50mm f/1.8	52	CL-30S No. 61 CP-8	HR-2

TELEPHOTO			
85mm f/1.4	72	CL-17 No. 62 CP-9	HN-20
85mm f/1.8 AF	62	CL31S CL-15S No. 62 CP-9	HN-23
85mm f/2	52	CL-31S No. 61 CP-8	HS-10
105mm f/1.8	62	CL-15S No. 62 CP-9	Built-in
105 f/2D AF DC	72	CL 15S	Built-in or HS-7
105mm f/2.5	52	CL-32S No. 62 CP-9	Built-in
135mm f/2	72	CL-15S No. 62 CP-9	Built-in
135mm f/2 AF DC	72	CL-38 No. 63 CP-9	Built-in
135mm f/2.8	52	CL-32S No. 62 CP-9	Built-in
135mm f/3.5	52	CL-32S No. 62 CP-9	Built-in
180mm f/2.8 ED	72	CL-35A	Built-in
180mm f/2.8 ED IF	72	CL-35A CL-38 No. 63	Built-in
200mm f/2 ED IF	122	CT-200	Built-in (HE-4)
200mm f/4	52	CL-13A No. 63 CP-9	Built-in
300mm f/2.8 ED IF AF	39	CT-302	Built-in (HE-4)
300mm f/2.8 ED IF AF	39	CT-303	Built-in (HE-6)
300mm f/2.8D ED IF AF	39	CT-304	HK-19
300mm f/4 ED IF AF	● 82/39	CL-42	Built-in
300mm f/4.5	72	CL-20A	Built-in
300mm f/4.5 ED IF	72	CL-20A	Built-in
400mm f/2.8 ED IF	52	CT-400 No. 59	Built-in (HE-3)
400mm f/2.8D ED IF	52	CT-401	Built-in
400mm f/3.5 ED IF	● 122/39	CL-61A No. 58	Built-in
400mm f/5.6 ED IF	72	CL-27A	Built-in
500mm f/4 P ED IF	39	CT-500	HK-17
600mm f/4 ED IF	39	CT-602	Built-in (HE-5)
600mm f/4D ED IF	39	CT-604	HK-18
600mm f/5.6	39	CT-603	Built-in (HE-4)
800mm f/5.6 ED IF	52	CT-800	Built-in (HE-3)

REFLEX			
500mm f/8	● 82/39	CL-39	HN-27
1000mm f/11	39	CL-29	Built-in
2000mm f/11	Built-in	Trunk case	—

Lens	Filter (mm)	Lens Case	Lens Hood
ZOOM			
20-35mm f/2.8D AF	77	No. 62	HB-8
24-50mm f/3.3-4.5 AF	62	CL-32S CL-17 No. 62 CP-9	HB-3
28-70mm f/3.5-4.5D AF	52	CL-32S No. 62	HB-6
28-85mm f/3.5-4.5	62	CL-33S No. 62 CP-9	HK-16
28-85mm f/3.5-4.5 AF	62	CL-33S	HB-1
35-70mm f/2.8D AF	62	CL-33S No. 62 CP-9	HB-1
35-70mm f/3.3-4.5	52	CL-31S No. 62	HN-2
35-70mm f/3.3-4.5 AF	52	CL-31S No. 62 CP-9	HN-2
35-80mm f/4-5.6D AF	62	CL-31S No. 62	HN-2
35-105mm f/3.5-4.5	52	CL-33S No. 62 CP-9	HK-11
35-105mm f/3.5-4.5 AF	52	CL-33S	HB-5
35-135mm f/3.5-4.5	62	CL-15S No. 63 CP-9	HN-22
35-135mm f/3.5-4.5 AF	62	CL-41 No. 63 CP-9	HB-1
35-200mm f/3.5-4.5	62	CL-13A No. 63	HK-15
70-210mm f/4 AF	62	CL-35A No. 63	HN-24
70-210mm f/4-5.6 AF	62	CL-15S/CL-38 No. 63 CP-9	HN-24
70-210mm f/4-5.6D AF	62	CL15S No. 63	HN-24
75-300mm f/4.5-5.6 AF	62	CL-36	HN-24
80-200mm f/2.8D ED AF	77	CL-43A	HB-7
80-200mm f/4	62	CL-35A No. 63	HN-23
50-300mm f/4.5 ED	95	CL-64 CE-2	HK-5
100-300mm f/5.6	62	CL-40	HN-24
180-600mm f/8 ED	95	CZ-1860	HN-16
1200-1700mm f/5.6-8 ED	52	Trunk case	Supplied

FISHEYE			
6mm f/2.8	Built-in	Trunk case	Built-in
8mm f/2.8	Built-in	CL-11	Built-in
16mm f/2.8	Provided	CL-30S No. 61 CP-8	Built-in
16mm f/2.8D	39mm Bayonet	CL-31S No. 61	Built-in

SPECIAL PURPOSE			
Noct 58mm f/1.2	52	CL-34A/CL-31S No. 61 CP-8	HS-7, HR-2
55mm f/2.8 Micro	52	CL-31S No. 61 CP-8	
		CL-33S* NO.62*	HN-3
PC 28mm f/3.5	72	CL-34A No. 62	HN-9
PC 35mm f/2.8	52	CL-34A No. 61	HN-1
UV 105mm f/4.5	52	CL-15S No. 63 CP-9	—
MICRO-NIKKORS			
60mm f/2.8D Micro AF	62	CL-32S No. 62 CP-9	HN-22
105mm f/2.8 Micro	52	CL-33S CP-9	HS-14
105mm f/2.8D Micro AF	52	CL-15S, No. 63	HS-7
200mm f/4D IF ED AF Micro	62	CL-45	HN-30
200mm f/4 IF Micro AIS	52	CL-36	Built-in
Medical 120mm f/4 IF	▲ 49	Leatherette compartment case	—

TELECONVERTER			
TC-201	—	CL-30S No. 61 CP-8	—
TC-301	—	CL-33S No. 62 CP-9	—
TC-14A	—	CL-30S No.61	—
TC-14B	—	CL-30S No.61	—
TC-14E for AF-I	—	CL-30S No.61	—
TC-16	—	No. 61	—
TC-16A	—	No. 61	—
TC-20E for AF-I	—	CL-31S No. 62	—

- Rear Element Mounted Filter
- Front Filter/Drop in Filter
- ▲ Close-up attachment lens size
- * With PK-13

LENS CAPS

PROTECT YOUR INVESTMENT WITH LENS CAPS AND COVERS FOR NIKON CAMERAS AND LENSES

Protect your Nikon investment with genuine Nikon lens, teleconverter and camera body mount caps. Lens caps protect the front and rear portions of your lenses and teleconverters from dust, smudges and scratches. Camera body mount caps protect the mirror box and reflex mirror when a lens is not affixed to the camera body. Select appropriate caps from list below (Rear Lens Cap NCP LF-1 fits all Nikon F-mount lens and teleconverters).



Lens/Camera Cap

	Product Number
52mm Snap-on Front Lens Cap	581 NCP
61mm Slip-on Front Lens Cap for 16mm f2.8N	597 NAS
62mm Snap-on Front Lens Cap	600 NCP
72mm Snap-on Front Lens Cap	601 NCP
77mm Snap-on Front Lens Cap for 80-200mm f/2.8 AF,	
18mm f/2.8 D AF and 20-35mm f/2.8 D AF	578 NAS
85mm Slip-on Front Lens Cap for 500mm f8N Reflex	1335 NCP
90mm Slip-on Front Lens Cap for 15mm f3.5	584 NAS
95mm Screw-in Front Lens Cap for 50-300mm f.4.5	626 NAS
122mm Screw-in Front Lens Cap	621 NAS
Front Lens Cover for ED lenses	629 NAS
(f/200/2; f/300/2.8; f/600/5.6)	
Front Lens Cover for 300mm/f2, 600mm/f4	603 NAS
Front Lens Cover for 300mm/f2.8 D AF-I	593 NAS
Front Lens Cover for 600mm/f4 D AF-I	594 NAS
Front Lens Cover for 400mm/f2.8	631 NAS
Front Lens Cover for 300mm/f4 AF	596 NAS
BF-2 Front Mount Cap for TC-2, 300, 301	598 NAS
BF-3 Front Mount Cap for TC-14, 14B, 14E, 20E	611 NAS
BF-1A Lens Mount Cap for SLR Camera	612 NCP
LF-1 Rear Lens Cap for all F-Mount Lenses	607 NCP

LENS HOODS

REDUCE FLARE — ELIMINATE “GHOST IMAGES”

A lens hood is an essential part of your Nikon system. By reducing stray light and minimizing flare, your pictures show improved contrast and better color saturation. Hoods also provide important shock protection, should your lens be dropped or bumped. Genuine Nikon hoods are made of materials that prevent permanent bonding to the lens, which may sometimes occur with other manufacturers' hoods. Available in the four types.

Screw-in

Screws onto the front of the front of the lens. Metal type available for extra strength. Rubber type folds back over the lens when not in use.



Designation	Nikon Product Number	Lenses Attachable*
Snap-on		
HS-7	541 NAS	Noct 58/1.2, AF Micro 105/2.8
HS-9	543 NAS	50/1.4
HS-10	545 NAS	85/2
HS-11	546 NAS	50/1.8
HS-12	547 NAS	50/1.2
HS-14	555 NAS	Micro 105/2.8
Rubber screw-in		
HR-1	537 NAS	50/1.4
HR-2	538 NAS	50/1.2, Noct 58/1.2, AF 50/1.4, AF 50/1.8
Screw-in		
HN-1	508 NAS	24/2.8, 28/2, PC 35/2.8, AF 24/2.8
HN-2	509 NAS	28/2.8, 35-70/3.3-4.5, AF 28/2.8, AF 35-70/3.3-4.5
HN-3	510 NAS	35/1.4, 35/2, 35/2.8, Micro 55/2.8, AF 35/2
HN-9	523 NAS	PC 28/3.5
HN-12	518 NAS	52mm Circular Polar Filter
HN-13	539 NAS	72mm Circular Polar Filter
HN-20	562 NAS	85/1.4
HN-22	566 NAS	35-135/3.5-4.5, AF Micro 60/2.8
HN-23	565 NAS	80-200/4, AF 85/1.8
HN-24	567 NAS	100-300/5.6, AF 70-210/4-5.6, AF 75-300/4.5-5.6
HN-26	568 NAS	62mm Circular Polar Filter
HN-27	558 NAS	Reflex 500/8
HN-28	572 NAS	AF 80-200/2.8 ED
HN-29	4613 NAS	77mm Circular Polarizing Filter
Slip-On		
HK-2	551 NAS	24/2
HK-5	554 NAS	50-300/4.5 ED
HK-9	563 NAS	18/3.5
HK-11	553 NAS	35-105/3.5-4.5
HK-14	559 NAS	20/2.8
HK-15	4600 NAS	35-200/3.5-4.5
HK-16	4601 NAS	28-85/3.5-4.5
HK-17	4608 NAS	500/4 P ED-IF
HK-18	4615 NAS	AF-1 600/4 D ED-IF
HK-19	4616 NAS	AF-1 300/2.8 D ED-IF
Bayonet		
HB-1	4602 NCP	AF 28-85/3.5-4.5, AF 35-70/2.8 D, AF 35-135/3.5-4.5, AF 35-70/2.8
HB-2	4603 NAS	AF 35-105 (Zoom Ring version)
HB-3	4604 NAS	AF 24-50/3.3-4.5
HB-4	4610 NAS	AF 20/2.8
HB-5	4611 NAS	AF 35-105/3.5-4.5
HB-6	4612 NAS	AF 28-70/3.5-4.5 D, AF 28-70/3.5-4.5
HB-7	4614 NAS	AF 80-200/2.8 D ED

Slip-on

Slips over the front of the lens. Tightened with knurled screw and retainer ring. Use with wide-zoom and ultra-wide lenses.

Snap-on

Snaps onto the front of the lens with a spring-type retainer ring. The mounting can be conveniently reversed for storage.



Bayonet

Twist-lock mounting for extra security.



Note:

Some lenses have built-in hoods.

*See chart page 44 for complete compatibility

NIKON SCHOOL PHOTO TIP:
THE COMMON DENOMINATOR IN SHOOTING ANIMALS IS MUCH
THE SAME AS SHOOTING PORTRAITS OF PEOPLE:
CONCENTRATE ON THE SUBJECT'S EYES AND MAKE SURE
THEY ARE “MAKING CONTACT” WITH YOURS.

FILTERS

FROM COLOR BALANCE TO SPECIAL EFFECTS, NIKON FILTERS HELP YOU MAKE BETTER PICTURES

FILTERS FOR COLOR FILM

AMBER FILTERS A2, A12

Amber filters control the bluish coloration that affects daylight film. The mild A2 warms scenes shot on cloudy days. The deeper-colored A12 is used with tungsten film for outdoor shooting in fair weather. Add mood to your photographs by warming your pictures with either filter.



BLUE B2, B8, B12

Blue filters remove reds and have a cooling effect. The mild B2 banishes reds from sunrise or sunset shots. The B12 neutralizes the red cast produced by photofloods in indoor shooting with daylight film. Use a B8 or B12 blue filter and underexpose to create eerie night scenes.



FILTERS FOR COLOR AND BLACK-AND-WHITE PHOTOGRAPHY

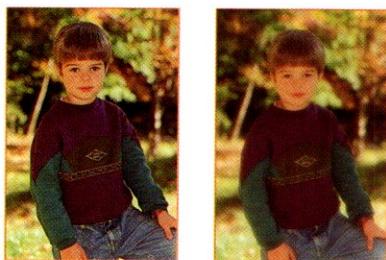
ULTRAVIOLET (UV) L37C, L39 SKYLIGHT L1BC

UV filters cut haze for sharper black-and-white prints, and correct the blues and violets in color prints. The integrated coated L37C reduces reflection and is designed to be used with integrated coated lenses to protect and reduce excess UV. The L39 is perfect for black-and-white prints of mountain or beach scenes and doubles as a lens protector. The integrated coated L1BC also cuts haze, protects the lens and can reduce the blue cast of shade pictures.



SOFT FOCUS NO.1, NO.2

These filters soften images. No.1 lends a romantic aura to portraits. The stronger No.2 produces a fog-like effect in landscapes and also highlights small subjects against a field of dark space. Both can be used together for stronger effects.



NEUTRAL DENSITY ND2, ND4, ND8, ND400

These filters allow you to use larger apertures without changing shutter speed, or use slower shutter speeds in bright conditions for creative motion effects. Neutral density filters do not change color balance.

CIRCULAR POLARIZING FILTERS

These filters darken the sky in color photography without affecting color balance. They cut out the glare from water, glass and metallic



surfaces. For use with autofocus SLRs. Mounts can be rotated for different angles, monitored through the viewfinder. Use of these filters requires a filter hood — see "Filter Accessories" listing).

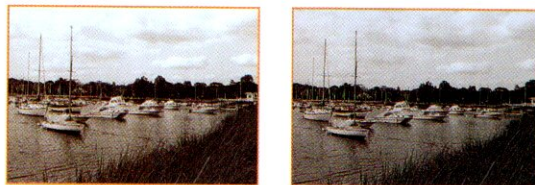
CONVERSION FILTERS A12, B2, B8, B12

Color conversion filters can be used to match film color balances. Color Conversion Filter A12 can be used to shift the color balance of tungsten film to daylight. Blue Filters B2, B8 and B12 counteract existing light that is too warm. B12 matches artificial light to that of normal daylight film.

FILTERS FOR BLACK-AND-WHITE FILM

YELLOW Y44, Y48, Y52

Yellow filters absorb blue and ultra-violet light so skies appear darker. Useful in landscape or telephoto photography because they



clear up the haze around distant objects. Y44 is a mild filter. Y48 is medium. Y52 produces the strongest effect.

ORANGE 056

Stronger than yellow filters, the 056 tones down blue, ultraviolet and green. It heightens contrast and darkens foliage.

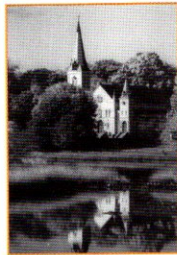


ORANGE 056

Stronger than yellow filters, the 056 tones down blue, ultraviolet and green. It heightens contrast between sky and objects and darkens foliage.



RED R60



Ultra high contrast. All colors except red are filtered out so blue skies appear almost black and clouds stand out. Green leaves appear dark, providing a strong contrast against lighter-hued flowers. The R60 can be used to create special effects with b&w infrared film.

GREEN XO, X1

Green filters absorb red and blue, letting green and yellow through. The XO renders effects similar to colors perceived by the eye, making it ideal for general-purpose use. The X1 balances the reddish cast of floodlights and gives skin a more natural tone — great for portraits.



FILTER ACCESSORIES

FILTER ADAPTER RING UR-1

Enables a filter with an attachment size of 72mm to be used with any Nikkor lens with an attachment size of 62mm.

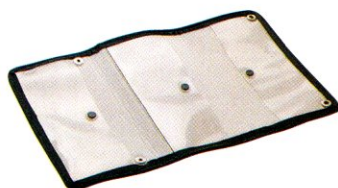
Nikon Product Number: 2377 NCP



FILTER POUCH CASES (EACH CASE HOLDS UP TO SIX FILTERS)

CA-1 Filter Pouch for all 52mm Filters **Nikon Product Number: 2307 NCP**

CA-2 Filter Pouch for all 39mm Filters **Nikon Product Number: 2305 NAS**



INDIVIDUAL FILTER CASES

CP-3 Filter case for all 52mm Filters **Nikon Product Number: 2291 NCP**

CP-6 Filter case for all 62mm Filters **Nikon Product Number: 2378 NCP**

CP-5 Filter case for all 72mm Filters **Nikon Product Number: 2292 NCP**

HOODS FOR CIRCULAR POLARIZING FILTERS

HN-12 Hood for 52mm Circular Polarizing Filter

Nikon Product Number: 518 NAS

HN-26 Hood for 62mm Circular Polarizing Filter

Nikon Product Number: 568 NCP

HN-13 Hood for 72mm Circular Polarizing Filter

Nikon Product Number: 539 NCP

HN-29 Hood for 77mm Circular Polarizing Filter

Nikon Product Number: 4613 NAS

FITTED FILTER CASES

95mm Fitted case for all 95mm filters **Nikon Product Number: 2298 NAS**

122mm Fitted case for all 122mm filters **Nikon Product Number: 2299 NAS**

GELATIN FILTER HOLDERS/

MISC. FILTERS

Nikon gelatin filter holders enable you to use standard 3-inch gelatin filters with a variety of Nikkor lenses. Choose proper holder from the following listing.



Filter Holder/Filter

AF-1 52mm Gelatin Filter Holder

AF-2 72mm Gelatin Filter Holder (with hood)

Filter Holder for AF-I (repl)

Gelatin Filter Holder for AF-I (repl)

Slip-in Gel Holder for ED-IF Lens (repl)

Slip-in Gel Holder for 400m/2.8 ED-IF Lens (repl)

Gelatin Filter Holder for 200mm/2

Slip-in 39mm Holder for ED-IF Lens (repl)

Slip-in 52mm Holder for 400mm/2.8 ED-IF (repl)

UR-2 Filter Adapter for 105mm/4.5 UV-Nikkor (repl)

Square (UV) Filter for 105mm/4.5 UV Nikkor (repl)

Nikon Product Number

2278 NAS

2279 NAS

2469 NAS

2470 NAS

2443 NAS

2460 NAS

2461 NAS

2220 NAS

2459 NAS

2398 NAS

2397 NAS

NIKON SCHOOL PHOTO TIP:
USING FILTERS CAN HAVE A TREMENDOUS
IMPACT UPON THE QUALITY OF YOUR
PHOTOGRAPHS. COLOR RENDITION AND
CONTRAST CAN ALL BE GREATLY IMPROVED
WITH THESE RELATIVELY
INEXPENSIVE ACCESSORIES THAT MANY
PHOTOGRAPHERS OVERLOOK.

FOCUSING SCREENS AND VIEWFINDER ACCESSORIES

These accessories let you see your subject the way you want. They're ideal for a variety of applications.

FOCUSING SCREENS AND PRODUCT NUMBERS

Type A Matte/Fresnel field with 12mm center reference circle and split-image rangefinder.
2552 NAS (F3HP/F3/T)

Type B Matte/Fresnel field with 5mm-diameter and 12mm-diameter reference circles and AF brackets.
For general photography.
2510 NAS (F4S)
2553 NAS (F3HP/F3/T)
2584 NAS (N90)
2582 NAS (N8008S)

Type C Fine-ground matte field with 5mm-diameter clear spot and cross-hair. For photomicrography, astrophotography, and other high magnification applications using parallax focusing on aerial images.
2511 NAS (F4S)
2554 NAS (F3HP/F3/T)

Type D Fine matte focusing screen with clear center circle, crosshairs in 4mm center circle for high magnification.
2559 NAS (F3HP/F3/T)

Type E Matte/Fresnel field with 5mm-diameter and 12mm-diameter reference circles and AF brackets, and etched horizontal and vertical lines. Ideal for architectural photography.
2512 NAS (F4S)
2556 NAS (F3HP/F3/T)
2583 NAS (N90)
2581 NAS (N8008S)

Type F Matte/Fresnel field with 5mm-diameter and 12mm-diameter reference circles and AF brackets. Suitable with reflex lenses.
2513 NAS (F4S)

Type G Clear Fresnel field with extra-bright 12mm-diameter micropism focusing spot for use in poor light. Four models correspond to lenses with different focal lengths.

Type G1 (fisheye) 2514 (F4S)
2557 NAS (F3HP/F3/T)
Type G2 (wideangle) 2515 (F4S)
2558 NAS (F3HP/F3/T)
Type G3 (50mm f/1.2, 300mm f/2.8) 2516 (F4S) 2559 NAS (F3HP/F3/T)
Type G4 (300mm f/2.8) 2517 (F4S)
2560 NAS (F3HP/F3/T)

Type H Clear Fresnel focusing screen with micropisms over the entire field. Recommended for photography in poor lighting conditions. Available in 4 models for various lens maximum apertures.

Type H1 2561 NAS (F3HP/F3/T)
Type H2 2562 NAS (F3HP/F3/T)
Type H3 2563 NAS (F3HP/F3/T)
Type H4 2564 NAS (F3HP/F3/T)

Type J Matte/Fresnel field with central 5mm diameter micropism focusing spot and 12mm diameter circle. For general photography.
2518 (F4S)
2556 NAS (F3HP/F3/T)

Type K Matte/Fresnel field with 3mm-diameter. BriteView split-image rangefinder.

er spot surrounded by 1mm wide micropism doughnut. Rapid, accurate focusing for subjects with both straight and ill-defined contours. For general photography.

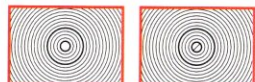
2519 (F4S)
2551 NAS (F3HP/F3/T)

Type L Corresponds to Type A, but with diagonal 45° split-image rangefinder.



Type A

Type K



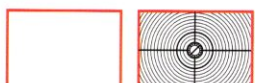
Type B

Type L



Type C

Type M



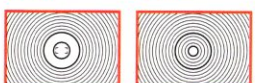
Type D

Type P



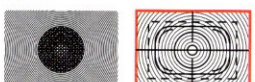
Type E

Type R



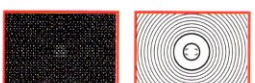
Type F

Type S



Type G

Type T



Type H

Type U



Type J

Facilitates focusing on horizontal lines.
2566 NAS (F3HP/F3/T)

Type M Fine ground Fresnel field with 5mm-diameter clear spot and cross-hair for use in parallax focusing on aerial images, plus millimeter scales for calculation of individual magnification of objects or for measuring objects. Brilliant image in dim light. Suitable for close-ups, photomicrography, and other high-magnification applications.

2520 (F4S)
2567 NAS (F3HP/F3/T)

Type P Same as Type K but with BriteView split-image rangefinder line at a 45° angle and etched horizontal and vertical lines as an aid to composition. Rapid, accurate focusing for subjects with horizontal or vertical lines or ill-defined contours. For general photography.

2521 (F4S)
2568 NAS (F3HP/F3/T)

Type R Focusing screen with matte Fresnel field and split-image rangefinder which does not darken when slow lenses are used. Incorporates vertical and horizontal grid lines. Excellent for architectural photography.

2569 NAS (F3HP/F3/T)

Type S Similar to Type K except provides area on the left side of the frame for date imprinting when used with Nikon 250 exposure data back.

2572 NAS (F3HP/F3/T)

Type T Focusing screen with matte Fresnel field and TV screen frame lines.
2570 NAS (F3HP/F3/T)

Type U Matte/Fresnel field with 5mm-diameter and 12mm-diameter reference circles and AF brackets. Suitable with telephoto lenses longer than 200mm.
2522 (F4S)
2571 NAS (F3HP/F3/T)

EYEPIECE CORRECTION LENSES

These lenses help those with eyesight deficiencies see more clearly. Diopters range from -5 to +3. Visit your Nikon dealer to select what's best for you, or see Nikon Photo Tip on page 12.

Lens	F4S, F3HP/F3	F3 (w/DE-2) F3AF, F2	N6006/6000	N90/N8008S	N50/N5005/N4004	FM2/FE2/FA
Neutral "0"	2950 NAS	2914 NAS	2940 NCP	2960 NAS	2940 NCP	2930 NCP
+0.5		2922 NAS	2941 NCP	2961 NAS	2941 NCP	2931 NCP
+1.0	2951 NAS	2919 NAS	2942 NCP	2962 NAS	2942 NCP	2932 NCP
+2.0	2952 NAS	2920 NAS	2943 NCP	2963 NAS	2943 NCP	2933 NCP
+3.0		2921 NAS	2944 NCP	2964 NAS	2944 NCP	2934 NCP
-2.0	2953 NAS	2915 NAS	2945 NCP	2965 NAS	2945 NCP	2935 NCP
-3.0	2954 NAS	2916 NAS	2946 NCP	2966 NAS	2946 NCP	2936 NCP
-4.0		2917 NAS	2947 NCP	2967 NAS	2947 NCP	2937 NCP
-5.0		2918 NAS	2948 NCP	2968 NAS	2948 NCP	2938 NCP

EYEPIECE ADAPTER DK-7 FOR F4S, N90, N8008S, F3HP (WITH DE-3 HIGH-EYEPOINT FINDER), F3T

Required for attaching all standard size eyepiece accessories to the larger size thread mounts of high-eyepoint cameras.

Nikon Product Number: 2394 NAS

EYEPIECE ADAPTER

FOR N6006/N6000, N50, N5005, N2000

For attaching all eyepiece accessories to above cameras.

Nikon Product Number: 2370 NCP

RUBBER EYECUPS

Provides comfort/keeps stray light from entering viewfinder.

Eyecup

DK-2 for F4S, F3HP/F3/T

Nikon Product Number

2406 NAS

DK-3 for FM2, FE2, FA

2362 NCP

DK-6 for N90, N8008S

2393 NAS

For N6006/N6000/N50/N5005

2939 NCP



RIGHT ANGLE FINDER DR-3

Provides 100% viewfinder coverage from a convenient 90° angle. Facilitates low-level viewing. Diopter adjusts from -5 to +3. Requires Mounting Adapter DK-7 for N90/F3HP/F4/F3T/N8008s. No Adapter is required for use with F3 and FM2. Adapter 2370 NCP for N6006/N6000/N50/N5005/N4004/N2000.

Nikon Product Number: 2326 NCP



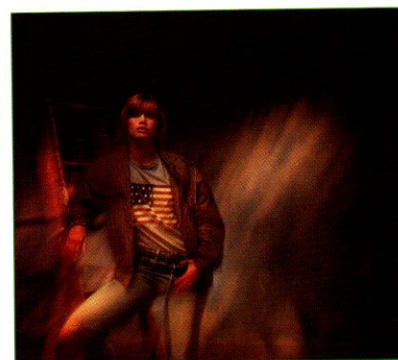
EYEPIECE MAGNIFIER DG-2

Offers 2x magnification of the central portion of the finder image. Diopter adjusts from -5 to +1. Requires Mounting Adapter. DK-7 for N90/N8008s/F4/ F3HP/F3T. Adapter 2370 NCP for N6006/N6000/N50/N5005/N4004/N2000.

Nikon Product Number: 2355 NCP



NIKKOR LENSES FOR LARGE FORMAT CAMERAS



Nikkor lenses for large-format cameras are built to the same exacting standards as our 35mm lenses.

SW (SUPER WIDE-ANGLE 105°) SERIES

The SW-series lenses feature large covering power and a large image circle. Maximum apertures of f/4 and f/4.5 assure fast, pinpoint focusing and bright images, corner to corner. Covering power can be extended to 105°-106° by stopping the lens down. Nikkor SW lenses feature Nikon Integrated Coating and strict aberration control.



W (WIDE-ANGLE 70°) SERIES

Covering power of W Series Nikkors is an ample 70°-73° when stopped down. Six elements in four groups. Nikon Integrated Coating assures high contrast and faithful color rendition. Recommended for landscapes, portraits, architecture and table-top photography.



NIKKOR AM (APO MACRO) ED

Nikkor-AM (APO Macro) lenses are exclusively designed for macro photography. ED glass reduces chromatic aberration and symmetrical lens construction ensures that the lens is 100% free of distortion and chromatic aberration at 1:1.



T-SERIES (TELE CONSTRUCTION WITH ED GLASS 33°)

T-Series Nikkor lenses are telephoto-type lenses which do not require long-length camera bellows. ED glass has been incorporated to minimize image distortion and curvature. Combined with Integrated Coating the result is outstandingly sharp images, virtually free from flare and ghosts.



M-SERIES (NORMAL LENS 50°-55°)

These lenses offer standard covering power and faithful reproduction of subtle variations in color and shading. Chromatic aberration is virtually eliminated. Nikon Integrated Coating assures high resolution and contrast.



NIKKOR LARGE FORMAT LENSES

	Maximum Aperture Ratio	Minimum Aperture	Nikon Product Number
Nikkor SW 65mm f/4 with No. 0 Shutter	1:4	f/45	1341 NAS
Nikkor SW 75mm f/4.5 with No. 0 Shutter	1:4.5	f/45	1343 NAS
Nikkor SW 90mm f/4.5 with No. 0 Shutter	1:4.5	f/64	1345 NAS
Nikkor SW 90mm f/8 with No. 0 Shutter	1:8	f/64	1344 NAS
Nikkor SW 120mm f/8 with No. 0 Shutter	1:8	f/64	1346 NAS
Nikkor SW 150mm f/8 with No. 1 Shutter	1:8	f/64	1351 NAS
Nikkor W 105mm f/5.6 with No. 0 Shutter	1:5.6	f/45	1309 NAS
Nikkor W 135mm f/5.6 with No. 0 Shutter	1:5.6	f/64	1312 NAS
Nikkor W 150mm f/5.6 with No. 0 Shutter	1:5.6	f/64	1314 NAS
Nikkor W 180mm f/5.6 with No. 1 Shutter	1:5.6	f/64	1316 NAS
Nikkor W 210mm f/5.6 with No. 1 Shutter	1:5.6	f/64	1318 NAS
Nikkor W 240mm f/5.6 with No. 3 Shutter	1:5.6	f/64	1319 NAS
Nikkor W 300mm f/5.6 with No. 3 Shutter	1:5.6	f/64	1320 NAS
Nikkor W 360mm f/5.6 with No. 3 Shutter	1:6.5	f/64	1327 NAS
Nikkor AM 120mm f/5.6 with No. 0 Shutter	1:5.6	f/45	1325 NAS
Nikkor AM 210mm f/5.6 with No. 1 Shutter	1:5.6	f/64	1326 NAS
Nikkor M 200mm f/8 with No. 0 Shutter	1:8	f/64	1322 NAS
Nikkor M 300mm f/9 with No. 1 Shutter	1:9	f/128	1321 NAS
Nikkor M 450mm f/9 with No. 3 Shutter	1:9	f/128	1323 NAS
Nikkor ED 270mm f/6.3 with No. 1 Shutter	1:6.3	f/64	1352 NAS
Nikkor ED 360mm f/8 with No. 1 Shutter	1:8	f/64	1353 NAS
Nikkor ED 500mm f/11 with No. 1 Shutter	1:11	f/64	1354 NAS
Nikkor ED 600mm f/9 with No. 3 Shutter	1:9	f/64	1355 NAS
Nikkor ED 720mm f/16 with No. 1 Shutter	1:16	f/64	1357 NAS
Nikkor ED 800mm f/12 with No. 3 Shutter	1:12	f/64	1356 NAS
Nikkor ED 1200mm f/18 with No. 3 Shutter	1:18	f/64	1364 NAS

ACCESSORIES FOR NIKKOR LARGE FORMAT LENSES

Rear Lens Unit 360mm ED Nikkor-T	1358 NAS	Slip-on Lens Cap (repl)	1337 NAS 31.5mm
Rear Lens Unit 500mm ED Nikkor-T	1359 NAS	Slip-on Lens Cap (repl)	1330 NAS 42mm
Rear Lens Unit 600mm ED Nikkor-T	1360 NAS	Slip-on Lens Cap (rep)	1331 NAS 54mm
Rear Lens Unit 720mm ED Nikkor-T	1362 NAS	Slip-on Lens Cap (rep)	1332 NAS 60mm
Rear Lens Unit 800mm ED Nikkor-T	1361 NAS	Slip-on Lens Cap (repl)	1333 NAS 70mm
Rear Lens Unit 1200mm ED Nikkor-T	1363 NAS	Slip-on Lens Cap (repl)	1334 NCP 80mm
Screw-on Cap f/Rear Lens Unit (rep)	1338 NAS 36mm	Slip-on Lens Cap (repl)	1335 NAS 85mm
Screw-on Cap f/Rear Lens Unit (rep)	1339 NAS 58mm	Slip-on Lens Cap (rep)	1336 NAS 100mm

Note: The rear lens component is interchangeable between the ED 360mm f/8, ED 500mm f/11 and ED 720mm f/16, and between the ED 600mm f/9, ED 800mm f/12 and ED 1200mm f/18.

EL-NIKKOR ENLARGING LENSES:

LET US MAKE THINGS CRYSTAL CLEAR

Capturing your image on film is only part of the challenge. If your darkroom equipment doesn't perform, your efforts could be wasted.

Only EL Nikkor Enlarging Lenses offer Nikon's unmatched optical technology. Constructed of our own optical glass, EL-Nikkor lenses are corrected for chromatic aberration beyond the visible spectrum into near ultraviolet wavelengths — wavelengths to which photographic papers are particularly sensitive. Through the use of special optical glass and matching optical coatings, EL-Nikkor lenses are designed for ultraviolet transmission in the 350 to 450 range. This means EL-Nikkor enlarging lenses can be used for color separation in addition to all other enlarging applications.

EL-Nikkor lenses are also front-threaded to accept screw-in accessories, and can be used for exceptional small-object photography when mounted on a bellows.



EL-NIKKOR ENLARGING LENSES

	Minimum f/stop	Standard Magnification	Usable Magnification Range	Covering Power	Format Size	Nikon Product Number
EL-Nikkor 40mm f/4	f/22	10x	5x-30x	52°	24x36mm	209 NCP
EL-Nikkor 50mm f/2.8	f/22	8x	2x-20x	41°	24x36mm	210 NCP
EL-Nikkor 63mm f/2.8	f/22	8x	2x-20x	43°	32x45mm	211 NCP
EL-Nikkor 75mm f/4	f/22	5x	2x-10x	48°	60x60mm	224 NCP
EL-Nikkor 80mm f/5.6	f/22	5x	2x-15x	53°	60x70mm	212 NCP
EL-Nikkor 105mm f/5.6	f/22	5x	2x-10x	51°	60x90mm	213 NCP
EL-Nikkor 135mm f/5.6	f/22	5x	2x-10x	53°	90x120mm	251 NAS
EL-Nikkor 150mm f/5.6	f/22	4x	2x-8x	51°	100x130mm	252 NAS
EL-Nikkor 180mm f/5.6	f/22	4x	2x-8x	54°	130x180mm	253 NAS
EL-Nikkor 210mm f/5.6	f/22	4x	2x-8x	54°	130x210mm	254 NAS
EL-Nikkor 240mm f/5.6	f/22	4x	1x-8x	57°	180x240mm	255 NAS
EL-Nikkor 300mm f/5.6	f/22	2x	1x-8x	57°	270x330mm	256 NAS
EL-Nikkor 360mm f/5.6	f/22	2x	1x-4x	50°	300x400mm	95104 NAS

ACCESSORIES FOR EL-NIKKOR ENLARGING LENSES

34.5mm Snap-on Lens Cap f/EL-Nikkor (repl)
 40.5mm Snap-on Lens Cap f/EL-Nikkor
 43mm Snap-on Lens Cap f/EL-Nikkor (repl)
 Plastic Case f/50mm EL-Nikkor (repl)
 Lens Mounting Adapter f/50mm EL-Nikkor
 Reverse Mounting Ring f/50,63mm N EL-Nikkor
 Reverse Mounting Ring f/50, 75, 80mm EL-Nikkor
 Extension Mounting Tube f/EL-Nikkor (15mm)
 Reverse Mounting Ring f/135, 150mm EL-Nikkor
 39mm Lens Mounting Flange

Nikon Product Number
574 NCP
577 NCP
576 NCP
461 NCP
2655 NCP
2641 NCP
2640 NCP
2642 NCP
2654 NAS
96925 NCP



SPEEDLIGHTS

SEE FLASH IN A WHOLE NEW LIGHT

Get ready for a new experience in

flash photography. Today Nikon has

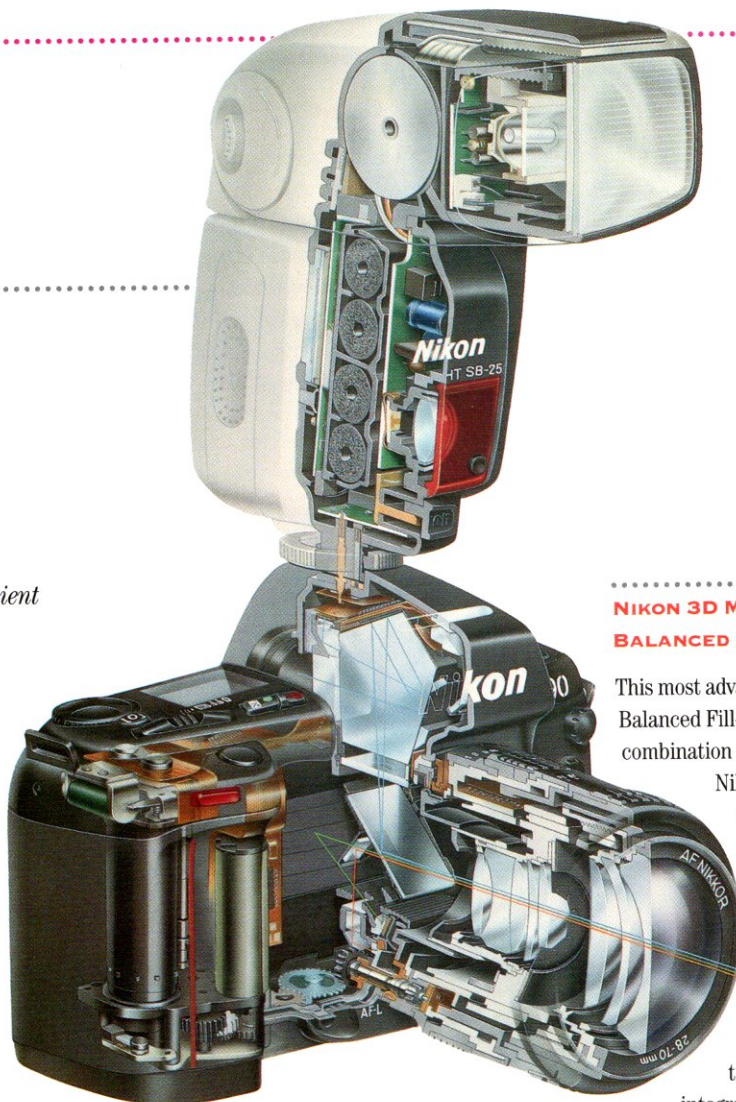
perfected techniques that combine ambient

light with light from the flash.

You'll use flash in all-new ways, to

create photographs you might never

have gotten before.



NIKON 3D MULTI-SENSOR BALANCED FILL-FLASH

This most advanced form of Automatic Balanced Fill-Flash is made possible by the combination of the Nikon N90, a D-type AF Nikkor lens and the SB-25. Just after the mirror goes up but before the shutter moves, the SB-25 fires a series of imperceptible Monitor Pre-flashes that are detected by the N90's 5-segment TTL Multi Sensor. Distance information from the D-type lens is integrated with exposure

control information, automatically controlling flash output level. It is even effective when shooting scenes with: a mirror, white wall or other extremely reflective surface; obstacle(s) in front of the subject you wish to avoid sunlight; subject against an "infinite" background (sky, clouds, etc). When the N90 and SB-25 are used with a non-D-type AF or AI-P Nikkor lens (non 3D), Multi-Sensor Balanced Fill-Flash is performed. This offers the same flash output control system but operates without distance information from the lens. Multi-Sensor Balanced Fill-Flash, minus Monitor Pre-flash, is also performed with the SB-24/23/22/20/16B Speedlights — an operation superior to single-sensor systems.

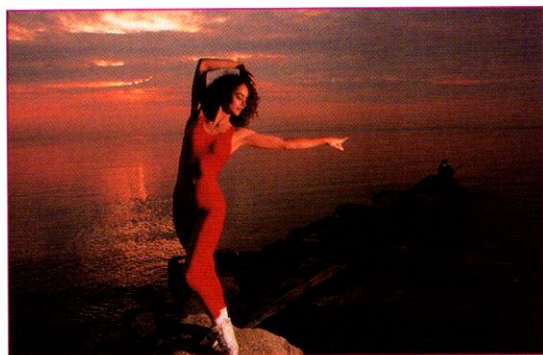
NIKON AUTOMATIC BALANCED FILL-FLASH

Fill-flash adds an exciting new look to your pictures not only in daylight, but also in twilight and at night. Using this technique, shutter speed, aperture and flash output is automatically controlled to put the foreground subject's brightness in balance with the background. This automatic method makes fill-flash easy.

NIKON MATRIX BALANCED FILL-FLASH

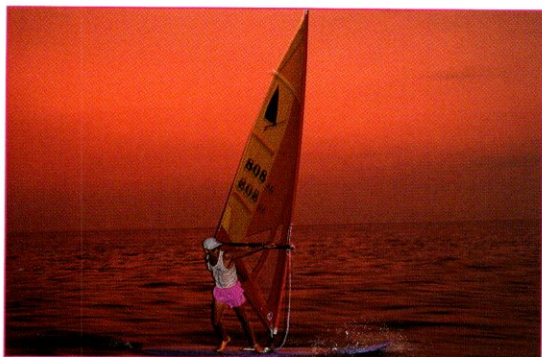
Using this technique, the camera's Matrix Meter determines exposure for the background ambient light based on segmented analysis of the scene's brightness and contrast.

The TTL flash exposure is controlled, so flash illumination is balanced. This system operates automatically, based on a combination of general scene brightness and contrast. Matrix Balanced Fill-Flash is available with the Nikon F4S, N8008S, N6006, N6000 and N50.



SLOW SYNC

When flash pictures are taken in dim light, the background may come out dark. With the Nikon N90, N6006 or N6000, simply setting Slow Sync Mode extends the automatically controlled shutter speed range, enabling darker backgrounds to be well exposed so that details will stand out, without the need to set aperture and shutter speed manually.



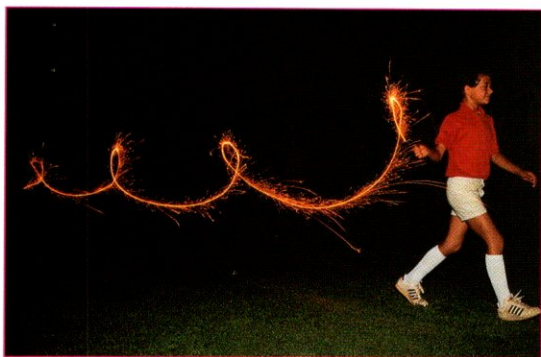
AF-ASSIST ILLUMINATOR LED

Nikon AF Speedlights incorporate an autofocus assist illuminator which gives contrast to a dark subject. This makes it possible to take sharp autofocus pictures even in total darkness.



REAR CURTAIN SYNC

Allows the flash to fire at the end of the exposure, instead of at the beginning — especially effective at slow shutter speeds. This results in the available light turning into a stream of light following the flash-illuminated subject. This technique is possible with the following combinations: F4 series, N8008S and



N90 cameras with the SB-24 or SB-25. N6006 and N6000 cameras with SB-25, SB-24, SB-23, SB-22, SB-21B, SB-20, SB-16B, SB-14 and SB-11

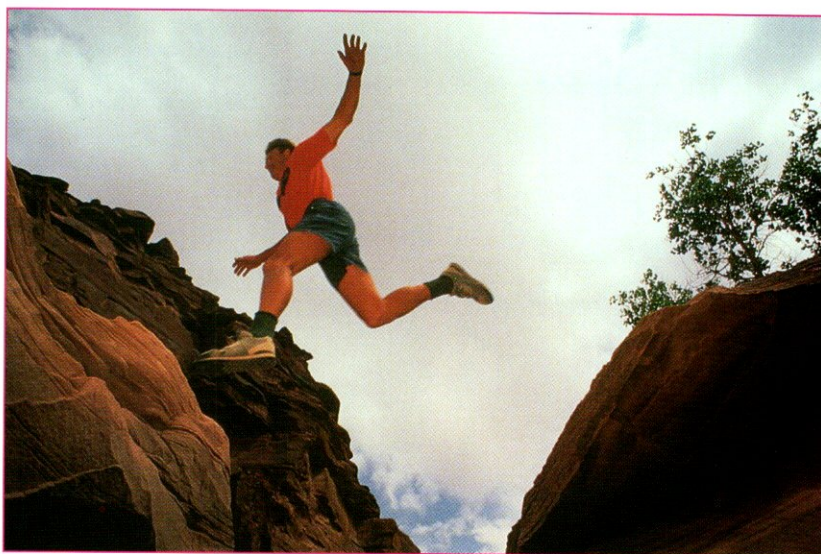
REPEATING FLASH

This feature provides a strobe-effect which fires the flash continuously at selected rates. The length of time between flashes, the number of flashes per second and the flash output power can be chosen. Available with SB-25.



FP HIGH-SPEED SYNC

Using manual flash operation with N90, the SB-25's flash output continues from the start of the shutter curtain opening until it is fully closed. This allows flash synchronization with fast



shutter speeds from 1/250 to 1/4000 sec. You can capture fill-flash pictures even with film that has a high ISO rating, and still maintain wide-aperture settings for expanded control of depth of field.

RED-EYE REDUCTION

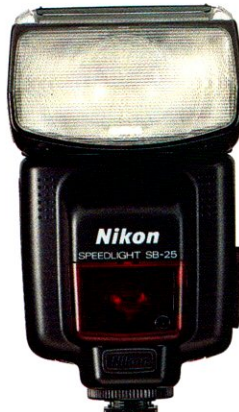
The SB-25, used with the N90 in its red-eye reduction mode, fires three pre-flashes to make the pupils of the eyes contract, thus reducing the effect of red eye when the fourth and final flash fires.

NIKON SCHOOL PHOTO TIP:

YOUR ADVANCED NIKON SLR OUTFITTED WITH AN SB-25 AF SPEEDLIGHT CAN GIVE YOU STUNNING FLASH PHOTOGRAPHS AUTOMATICALLY, WITHOUT ANY ADJUSTMENTS. HOWEVER BY ADJUSTING THE CAMERA COMPENSATION BUTTON (FOUND ON MANY CAMERA MODELS) YOU CAN LIGHTEN OR DARKEN THE OVERALL PHOTOGRAPH. BY USING THE CAMERA COMPENSATION BUTTON AND THE FLASH COMPENSATION CONTROL ON YOUR SB-25, YOU CAN ADJUST THE EXPOSURE BALANCE BETWEEN THE FOREGROUND AND BACKGROUND OF THE PHOTOGRAPH TO MEET YOUR SPECIFIC TASTES.

S B - 2 5**FOR THE ULTIMATE IN NIKON FLASH PHOTOGRAPHY**

- 3D multi-sensor balanced fill-flash with monitor pre-flashes with N90 and D-type AF Nikkor lenses
- Multi-sensor balanced fill-flash with N90 and non-D-type AF Nikkor lenses
- Matrix balanced fill-flash with F4-series, N8008s, N6006, N6000, N50 or N5005 and AF and AI-P Nikkor lenses
- Slow sync flash with N90, N6006, N6000 or N50
- Rear curtain sync with F4-series, N90, N8008s, N6006 or N6000
- Red-eyed reduction with N90
- FP high speed flash sync with N90
- AF-Assist Illuminator
- Repeating flash
- Manual flash output level compensation
- Automatic power zoom coverage from 24mm to 85mm with Nikon AF SLR camera body and AF-Nikkor lenses
- Built-in wide flash adapter to cover 20mm
- Built-in bounce card
- Tilting/rotating flash head
- LCD panel
- Includes Nikon Soft Case SS-24
- Guide number (ISO 100 in feet) 118 with zoom head set at 35mm
- Recycling time approximately 7 seconds

Nikon Product Number: 4706 NAS

ACCESSORIES**Accessory**

Soft Case SS-24 (repl)	Nikon Product Number 4609 NAS
C-Cell Battery Pack SD-7 (comes with SC-16 Power Cord)	4520 NCP
High Performance AA Battery Pack SD-8	4720 NCP

S B - 2 3**BRIGHT, COMPACT TTL SPEEDLIGHT**

- Multi-sensor balanced fill-flash with N90 and AF or AI-P Nikkor lenses
- Matrix balanced fill-flash with F4 series, N8008s, N6006, N6000, N50 or N5005 and AF or AI-P Nikkor lenses
- AF-assist illuminator
- Aperture/distance range chart attached to flash for easy reference
- Includes Nikon Soft Case SS-23
- Guide number (ISO 100 in feet) 66
- Recycling time approximately 2 seconds

Nikon Product Number: 4704 NCP

ACCESSORIES**Accessory**

Soft Case SS-23 (repl)	Nikon Product Number 4607 NCP
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S B - 2 2**COMPACT, ECONOMICAL TTL SPEEDLIGHT**

- Multi-sensor balanced fill-flash with N90 and 5 AI-P or AF Nikkor lenses
- Matrix balanced fill-flash with F4-series, N8008s, N6006, N6000, N50 or N5005 and AI-P or AF Nikkor lenses
- AF-Assist illuminator LED
- Wide flash adapter to cover 28mm lenses
- Tilting flash head from -7° to 90° for bounce flash shooting
- Includes Nikon Soft Case SS-22
- Guide number (ISO 100 in feet) 75
- Recycling time at manual full output approximately 4 seconds

Nikon Product Number: 4703 NCP

ACCESSORIES**Accessory**

Soft Case SS-22 (repl)	Nikon Product Number 4606 NCP
C-Cell Battery Pack SD-7 (comes with SC-16 Power Cord)	4520 NCP
High Performance AA Battery Pack SD-8	4720 NCP

S B - 2 0**COMPACT, MULTI-FUNCTIONAL TTL SPEEDLIGHT**

- Multi-sensor balanced fill flash with N90 and AF or AI-P Nikkor lenses
- Matrix-balanced fill-flash with F4-series, N8008s, N6006, N6000, N50 or N5005 and AF and AI-P Nikkor lenses
- AF-assist illuminator LED
- Selectable flash coverage angles for 28mm, 35mm and 85mm or longer lenses
- Tilting flash head from -7° to 90° for bounce flash shooting
- Includes Nikon Soft Case SS-20
- Guide number (ISO 100 in feet) 100 with head set at N
- Recycling time approximately 6 seconds

Nikon Product Number: 4700 NCP

ACCESSORIES**Accessory**

Soft Case SS-20 (repl)	Nikon Product Number 4605 NCP
C-Cell Battery Pack SD-7(comes with SC-16 Power Cord)	4520 NCP
High Performance AA Battery Pack SD-8	4720 NCP

NIKON SCHOOL PHOTO TIP:

USING FILL-FLASH OUTDOORS NOT ONLY FILL-INS DARK SHADOWS, IT SHIFTS THE CONTRAST RANGE. THE RESULT IS A PICTURE IN WHICH NOT ONLY DARKER AREAS SHOW MORE DETAIL, BUT LIGHTER AREAS AS WELL. FILL-FLASH CAN MAKE PHOTOS LOOK BRIGHTER AND MORE DETAILED, ALMOST AS IF ENHANCED.

SB-16A / SB-16B

COMPATIBLE WITH ALL NIKON SLR'S

- Multi-sensor balanced fill flash with N90 or AF and AI-P Nikkor lenses
- Matrix-balanced fill-flash with F4-series, N8008s, N6006, N6000, N50 or N5005 and AF and AI-P Nikkor lenses
- Selectable main flash coverage angles (28mm, 35mm, 50mm, 85mm)
- Tilting, rotating main flash head from -7° to 90° for bounce flash shooting
- Secondary flash fills shadow
- SB-16A for F3 series cameras includes AS-8 Flash Unit Coupler
- SB-16B for Nikon cameras with standard ISO hot shoe includes AS-9 Flash Unit Coupler
- Both models include Nikon Wide Flash Adapter SW-7, Soft Case SS-16, Battery Holder MS-5
- Guide number (ISO 100 in feet) 105 with zoom head set at N (35mm)
- Recycling time at full manual output approximately 11 seconds, more flashes and shutter recycle times are possible in TTL mode

ACCESSORIES

Accessory	Nikon Product Number
Soft Case SS-16 (repl)	4551 NCP
Wide Angle Flash Adapter SW-7 (repl)	4550 NCP
AA Battery Holder MS-5 (repl)	4552 NCP
SB-16A Coupler to F3 (repl) AS-8	4544 NAS
SB-16B Coupler to ISO shoe (repl) AS-9	4545 NCP



Nikon Product Number SB-16A: 4542 NAS

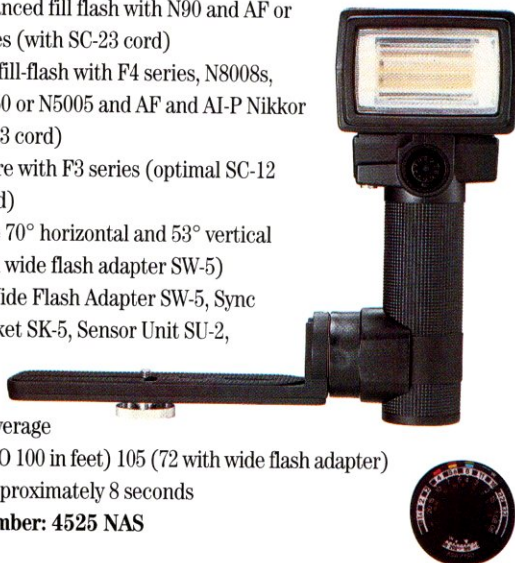
Nikon Product Number SB-16B: 4543 NCP

SB-14

DESIGNED TO MEET PROFESSIONAL NEEDS

- Multi-sensor balanced fill flash with N90 and AF or AI-P Nikkor lenses (with SC-23 cord)
- Matrix-balanced fill-flash with F4 series, N8008s, N6006, N6000, N50 or N5005 and AF and AI-P Nikkor lenses (with SC-23 cord)
- TTL flash exposure with F3 series (optimal SC-12 TTL cord required)
- Angle of coverage 70° horizontal and 53° vertical (78° and 60° with wide flash adapter SW-5)
- Includes Nikon Wide Flash Adapter SW-5, Sync Cord SC-11, Bracket SK-5, Sensor Unit SU-2, SD-7 C Cell Battery Pack for 24mm lens coverage
- Guide number (ISO 100 in feet) 105 (72 with wide flash adapter)
- Recycling time approximately 8 seconds

Nikon Product Number: 4525 NAS



ACCESSORIES

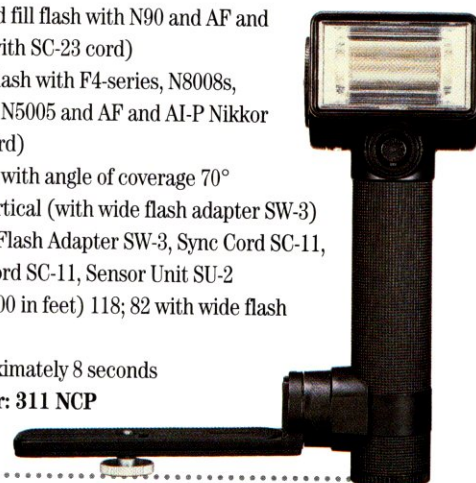
Accessory	Nikon Product Number
SC-23 TTL Sync Cord	4562 NCP
Wide Angle Flash Adapter SW-5 (repl)	4522 NAS
Sensor Unit SU-2 (repl)	3055 NCP
Mounting Bracket SK-5 (repl)	4539 NAS
Speedlight Flash Head SB-14 (repl)	4514 NAS
Flash Cord SC-11 for SB-14 (repl)	3056 NCP
Power Cord SC-16 for SD-7 (repl)	4523 NCP
C-Cell Battery Pack SD-7 for SB-14 (repl) (comes with SC-16 Power Cord)	4520 NCP

SB-11

HIGH-PERFORMANCE, HIGH-POWER SPEEDLIGHT

- Multi-sensor balanced fill flash with N90 and AF and AI-P Nikkor lenses (with SC-23 cord)
- Matrix-balanced fill-flash with F4-series, N8008s, N6006, N6000, N50 or N5005 and AF and AI-P Nikkor lenses (with SC-23 cord)
- Tilting 90° flash head with angle of coverage 70° horizontal and 53° vertical (with wide flash adapter SW-3)
- Includes Nikon Wide Flash Adapter SW-3, Sync Cord SC-11, Bracket SK-4, Sensor Unit SU-2
- Guide number (ISO 100 in feet) 118; 82 with wide flash adapter SW-3
- Recycling time approximately 8 seconds

Nikon Product Number: 311 NCP



ACCESSORIES

Accessory	Nikon Product Number
Wide Angle Flash Adapter SW-3 (repl)	3057 NCP
Sensor Unit SU-2 (repl)	3055 NCP
Mounting Bracket SK-4 (repl)	369 NCP
Flash Sync Cord SC-11 for SB-11 (repl)	3056 NCP
C-Cell Battery Pack SD-7 (comes with SC-16 Power Cord)	4520 NCP
High Performance Battery Pack SD-8	4720 NCP
AA Battery Holder (repl)	3064 NCP



NIKON WIDE FLASH ADAPTER



TILTING MAIN FLASH HEAD

SB-140 UV-IR

FOR ULTRAVIOLET, VISIBLE AND INFRARED PHOTOGRAPHY

Automatic TTL flash output control with Nikon F3-series via SC-12 cord, and Nikon F4/N90/N8008S/N6006/N6000/N50/N5005, via SC-23 cord. TTL flash output control only for visible light. Non-TTL automatic exposure control with any Nikon SLR cameras via SU-3 Sensor Unit for visible light

- Three-step automatic exposure control via SU-3 Sensor Unit. Aperture settings (ISO 100, visible light) of f/4 at 2-26', f/5.6 at 2-18' and f/8 at 2-131'
- SW-5 V Filter, 400-1100nm (for visible light). SW-5UV Filter, 300-400nm and above 650nm (for UV light). SW-5IR Filter, 750-1100nm (for IR light)
- Includes SC-11, SK-5, SU-3, SW-5V/5UV/5IR. Requires SD-7 battery pack for operation
- Guide number 105 as normal with SW-5V for visible light (ISO 100 and feet). * Guide number 72 with SW-5IR for infrared light. ** Guide number 52 with SW-5UV for ultraviolet light.
- Recycling time approximately 9.5 seconds in manual mode; faster in automatic modes of operation

* With Kodak Spectroscopic Type 103-0 film by using a Kodak D-19 developer at 68° for 6 minutes.

**With Kodak High Speed Infrared Film 2481 by using a Kodak D-76 developer at 68° for 10 minutes.

Nikon Product Number: 4512 NAS



ACCESSORIES

Accessory

- Flash Sync Cord SC-11 (repl)
- Mounting Bracket SK-5 (repl)
- Sensor Unit SU-3 (repl)
- SW-5UV UV Adapter (repl)
- SW-5V Visible Ray Adapter (repl)
- SW-5IR Infrared Adapter (repl)
- C-Cell Battery Pack SD-7 (comes with SC-16 power cord)

Nikon Product Number

- 3056 NCP
- 4539 NAS
- Special Order NAS
- Special Order NAS
- Special Order NAS
- Special Order NAS
- 4520 NCP

TTL MACRO SPEEDLIGHT SB-21A/B

FOR BRILLIANT CLOSE-UP DETAIL

- Designed specifically for close-up photography
- Dual, rotatable flash tubes allow you to select flat front lighting or selected relief lighting
- Advanced electronics assure consistent exposure control with variable output
- Built-in focus illuminator aids manual focusing
- Further lighting enhancement is possible using secondary lighting or reflector systems (because exposure control can be completely automatic, no special calculations are required when using these systems)
- Ideally suited for use with all Micro-Nikkor lenses.
- SB-21A for F3-series cameras. Includes AS-12 controller, SS-17/21 case, SW-8 wide-flash adapter, mounting ring for 52mm and 62mm.
- SB-21B for ISO shoe (F4-series N90, N8008s, N6006, N6000, N50 and N5005). Includes AS-14 controller, SS-17/21 case, SW-8 wide-flash adapter, mounting ring for 52mm and 62mm
- Guide number (ISO 100 in feet) 43 with internal batteries (49 with external power source)
- Recycling time approximately 8 seconds at manual full output.



ACCESSORIES

Accessory

- | Accessory | Nikon Product Number |
|---|----------------------|
| Controller/Power Pack AS-12 for SB-21A (repl) | 4565 NAS |
| Controller/Power Pack AS-14 for SB-21B (repl) | 4566 NAS |
| Case for Controller Unit SS-17 (repl) | 4554 NAS |
| Case for Flash Unit SS-21 (repl) | 4723 NAS |
| Wide Flash Adapter SW-8 (repl) | 4546 NAS |
| AA Battery Holder MS-6 (repl) | 4553 NAS |
| Adapter Ring UR-3 (req. with 60mm Micro for AF Operation) | 2396 NAS |
| DC Power Pack LD-2 (requires SC-21 power cord) | 4505 NAS |
| AC Power Pack LA-2 (requires SC-21 power cord) | 4506 NAS |
| Power Connecting Cord SC-21 | 4534 NAS |
| 52mm Adapter Ring for SB-21 (repl) | 4598 NAS |
| 62mm Adapter Ring for SB-21 (repl) | 4599 NAS |

Nikon Product Number for SB-21A (F3 shoe version):
4701 NAS

Nikon Product Number for SB-21B (ISO shoe version):
4702 NAS



**CONTROLLER AS-12
FOR F3 SERIES
CAMERAS**



**CONTROLLER AS-14
FOR NIKON
CAMERAS WITH ISO
MOUNTING SHOE**

EXTERNAL POWER SOURCES

DC UNIT SD-7

The SD-7 operates on six C-type batteries and offers a separate power source for the SB-25, SB-22, SB-20, SB-11 and SB-14. Shortens flash recycling time and enhances flash capacity. Includes SC-16 Power Connecting Cord. Also works with Speedlights SB-25, SB-24, SB-22, SB-20, SB-11, SB-14 and the SB-140.

Nikon Product Number: 4520 NCP



HIGH PERFORMANCE BATTERY PACK SD-8

The SD-8 shortens flash recycling time by as much as 60-75% and more than doubles flash capacity. The SD-8 operates on six AA-type alkaline or NiCad batteries and can be used with the SB-25, SB-24, SB-22, SB-20 and SB-11.

Nikon Product Number: 4720 NCP



POWER BRACKET MODEL SK-6

This convenient external power unit not only reduces flash recycling time, while increasing the number of available flashes, it offers an adjustable side-mounted handle. Camera, flash and all necessary connections are made within this single unit. Handle provides a convenient hand-hold for entire camera/Speedlight system, or when Speedlight is disconnected for creative lighting effects. Requires 4 AA batteries. Compatible with SB-22, 24 and 25, and Nikon F4S, N90, N8008s, N6006, N6000 and other camera models.

Nikon Product Number: 4724 NAS



MULTIPLE FLASH PHOTOGRAPHY

Multiple flash photography can yield stunning results, and takes less equipment than most photographers expect. Using up to 5 Nikon Speedlights, you control the intensity of back, rim and background separation lighting. The amount of light produced by each flash is usually set manually. Speedlights are usually positioned so that there is a main flash and secondary flash units. If you choose an automatic exposure mode, standard TTL is your best choice since it will allow the different intensities of light to affect the photo.



TTL MULTIPLE FLASH SYSTEM

A Nikon multiple flash system can be made up of any combination of Nikon TTL Speedlights (SB-25, SB-24, SB-23, SB-22, SB-20, SB-17, SB-16A/B, SB-21A/B) and a Nikon N90, F3, F4, N8008S, N6006, N6000 or N5005. Then simply add the TTL remote or TTL multi-flash sync cords and AS-10 adapter (if using more than 3 flash units) available for TTL off-camera or multiple-flash photography. The camera's built-in sensor automatically measures and controls the light from all units.

ACCESSORIES FOR TTL MULTIPLE FLASH

TTL REMOTE CORD SC-14

Provides off-camera positioning and TTL flash control of Nikon SB-16A or SB21A with Nikon F3-series cameras. Approximately 3.3' long.

Nikon Product Number: 3061 NAS



TTL REMOTE CORD SC-17

Use this coiled cord to connect Nikon TTL Speedlights to selected Nikon SLRs with standard ISO accessory shoe (N90, F4, N8008(S), N6006, N6000 or N5005). Up to two units can be connected to the SC-17's terminals through the TTL Multi-Flash Sync Cord SC-18 or SC-19 for TTL multi-flash photography. Approximately 5' long.

Nikon Product Number: 4557 NCP



TTL REMOTE CORD SC-24

For TTL flash control when using Nikon F4 series cameras with DW-20 waist-level finder or DW-21 6x finder.

Nikon Product Number: 3067 NAS



TTL MULTIFLASH SYNC CORDS SC-18, SC-19

Use these cords to connect TTL flash units to each other through the TTL Multi-Flash Adapter AS-10 or TTL Remote Cord SC-17 for multi-flash operation. SC-18 is 5' in length. SC-19 is 10'.

Nikon Product Number SC-18: 4558 NCP

Nikon Product Number SC-19: 4559 NCP



TTL MULTI-FLASH ADAPTER AS-10

The AS-10 enables you to control up to three TTL flash units. AS-10 attaches to the SB-25, SB-22, SB-20, SB-16B or SB-21B. Connect additional TTL Speedlights with the SC-18 or SC-19.

Nikon Product Number: 4560 NCP



FLASH TRIPOD ADAPTER AS-11

The AS-11 allows you to attach the SB-16A to a tripod. Adapter simply screws into position. Also works with previous Speedlight models SB-17 and SB-12.

Nikon Product Number: 4561 NAS



CAT ON A DOCK

"To me, light is like language. Using multiple flash I can communicate exactly what I want in a photograph. Using five Nikon SB-25s along with SC-17s, SC-18s, SC-19s and an AS-10 adapter, I created this image of a cat on a lonely dock at night. Because Nikon Speedlights are so compact, it was easy to place them in the exact positions I wanted them. I took this shot completely in the TTL mode and got exactly the feeling I was looking for."

Jim Lindley



FLASH SYNC CORDS AND SYNC ADAPTER

Cord/Adapter	Description	Nikon Product Number
Sync Cord SC-11	This general purpose flash sync cord enables off-camera flash operation and is fitted with a PC-type connector at both ends. Connectors are threaded for secure mounting. Length 15".	3056 NCP
Sync Cord SC-14	Provides for off-camera positioning of F3-dedicated Speedlights, SB-16A and SB-21A. Provides full TTL flash coupling.	3061 NAS
Coiled Sync Cord SC-15	General purpose flash sync cord for off-camera operation. Provides same function as SC-11, except 3' coiled length.	4524 NCP
TTL Remote Cord SC-17	Provides full TTL flash coupling for off-camera positioning of Nikon Speedlights. Works with Nikon N90, N8008s, N6006, N6000, N50 or N5005. The end of this cord is the standard ISO accessory shoe. Up to two TTL flash units can be connected to the SC-17's terminals.	4557 NCP
TTL Connecting Cord SC-12	Enables TTL flash operation of SB-11, SB-14 or SB-140 with Nikon F3 series cameras.	356 NCP
TTL Connecting Cord SC-23	Enables TTL flash operation of SB-11, SB-14 or SB-140 with Nikon F4S, N90, N8008s, N6006, N50, N5005, N6000, N2000 cameras.	4562 NCP
Sensor Remote SC-13	The SC-13 allows the SU-2/3 sensor to be positioned near the camera hot shoe for more accurate flash exposures. Operates in non-TTL automatic and manual exposure modes. For general-purpose operation with SB-11, SB-14 and SB-140 Speedlights.	313 NCP
Power Connecting Cord SC-16 for SD-7	Provides connection for SD-7 to Speedlight (replacement item).	4523 NCP
Hot Shoe Adapter AS-15	Enables the connection of flash sync cords fitted with standard PC-type connector to the camera body via the built-in hot shoe. Suitable for use with Nikon SLR cameras not fitted with PC-type sync terminal.	3066 NCP

FLASH COUPLERS FOR F2 AND F3 SERIES CAMERAS

Nikon F2 and F3 series cameras require special couplers that enable the use of the SB-25, SB-22, SB-20, SB-16B, SB-21B and other Nikon Speedlights with an ISO-type mounting foot. Special couplers may also be required with the use of previous-model Nikon Speedlights and Nikon F2 and F3 series cameras (see listing below).

Coupler	Description	Nikon Product Number
AS-1	Couples Speedlights with ISO-type mounting foot to hot shoe of Nikon F/F2 series cameras.	362 NAS
AS-2	Couples Nikon F/F2-dedicated Speedlights to ISO type hot shoe of Nikon F4/FM2/N90/N8008s/N6006/N6000/N50/N5005/N2020/N2000 cameras.	363 NAS
AS-3	Couples Nikon F/F2-dedicated Speedlights to hot shoe of Nikon F3 series cameras.	353 NAS
AS-4	Couples Speedlights with ISO-type mounting foot to hot shoe of Nikon F3 series cameras (TTL coupling is not possible).	354 NAS
AS-5	Couples Nikon F3-dedicated Speedlights to hot shoe of Nikon F/F2 series cameras.	3059 NAS
AS-6	Couples Nikon F3-dedicated Speedlights to ISO-type hot shoe of Nikon F4/FM2/N90/N8008s/N6006/N6000/N50/N5005/N2020/N2000 cameras (TTL coupling is not possible).	3060 NAS
AS-7	Provides offset mounting of Speedlights for Nikon F3 series cameras to facilitate film rewind operation. Maintains full coupling for F3 dedicated Speedlights. Also enables use of ISO-type mounting foot Nikon Speedlights (TTL coupling is not possible).	3065 NAS
AS-8	Provides for mounting of SB-16 Speedlight head to F3 series camera's hot shoe. Provides all necessary interface for full TTL flash operation with these cameras.	4544 NAS
AS-9	Provides for mounting of SB-16 Speedlight head to Nikon SLR cameras equipped with ISO type hot shoe. Provides all necessary interface for full TTL flash operation with these cameras.	4545 NAS

Sensor Unit SU-2

Sensor Unit SU-2 for SB-11, SB-14. Replacement sensor unit for SB-11, SB-14.

Nikon Product Number: 3055 NCP

CLOSE-UP

NOW ALL IT TAKES IS A LITTLE IMAGINATION

The fascinating world of close-up photography can be as simple as using a Micro-Nikkor lens. Or to get really close, choose from an array of Nikon close-up equipment and accessories.



60MM F/2.8D AF MICRO-NIKKOR

This lens provides an exceptional range of applications. Distance Signal adds performance through its compatibility with N90 and N50 3D Matrix Meter. Close-Range Correction system ensures high resolution down to 8 3/4" (1:1 reproduction ratio). A-M (Automatic-Manual) switch enables quick changing from autofocus to manual focus.



Wt. 16 oz. Dim. 2.8 x 3".

Nikon Product Number: 1987 NAS

105MM F/2.8D AF MICRO-NIKKOR

This lens adds extra free working distance for multiple lighting techniques. The lens' focal length makes it suitable for classic portraits, while close-focusing enables detail work. D-type lens technology provides distance information to N90 and N50 cameras. Close-Range Correction. Focuses from infinity to 12 inches (1:1). A-M (Automatic-Manual) switch.



Wt. 19.6 oz. Dim. 3 x 4.2".

Nikon Product Number: 1988 NAS

MICRO-NIKKOR 55MM F/2.8

MICRO-NIKKOR 200MM F/4 IF

Without any special attachments, these close-up lenses enable continuous operation from infinity to 1:2 (1/2 lifesize). To achieve life-size (1:1) attach the compatible close-up accessory extension ring. With the 200mm lens, use the Nikon TC-301 Teleconverter for 1:1 photography. With 55mm

micro use the PK-13 ring for 1:1 reproduction, Nikon Product Number 2653.

Nikon 55mm f/2.8 Micro-Nikkor

Product Number: 1442 NAS

Nikon 200mm f/4 Micro-Nikkor

Product Number: 1468 NAS



200MM F/4D AF IF-ED MICRO-NIKKOR

The long focal length of this lens provides extra working distance. ED glass has been incorporated into selected elements for superior optical performance. Internal focusing improves handling and focusing operation. D-type lens technology provides distance information to N90 and N50 cameras. Focuses from infinity to 19.4 inches (1:1 reproduction ratio). A-M switch and clutch mechanism ensure smooth manual focusing as well as fast and accurate change-over to autofocus operation.

Wt. 42.3 oz. Dim. 3 x 7.7".

Nikon Product Number: 1989 NAS



MEDICAL NIKKOR 120MM F/4 IF

The Medical Nikkor also has tremendous application as a close-up lens. It focuses continuously from 1:1 down to life-size 1:1. By adding its specially designed close-up element, focus from 1:1.25 to 2:1 magnification.

Nikon Product Number: 983 NAS



ATTACHMENT LENSES

Close-up attachment lenses are a convenient and economical way to get into close-up photography. They can be used with normal, zoom or telephoto lenses to focus within a fixed close-up range. Camera functions will operate as usual. Close-up attachment lenses are numbered from 0 to 6T. Numbers 0, 1 and 2 are for use with standard lenses. Numbers from 3T to 6T are for use with telephoto and zoom lenses up to 210mm.



In general the higher the number of the close-up lens, and the longer the focal length of the lens in use, the greater the reproduction ratio. Lenses may also be used in combination. All feature Nikon integrated coating.

Lens and Attachment Size

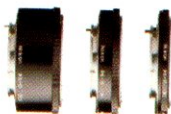
Lens and Attachment Size	Nikon Product Number
Close-up Lens No. 0 IC 52mm (0.7 Diopter)	2732 NCP
Close-up Lens No. 1 IC 52mm (1.5 Diopter)	2733 NCP
Close-up Lens No. 2 IC 52mm (3.0 Diopter)	2734 NCP
Close-up Lens No. 3T IC 52mm (1.5 Diopter)	2736 NCP
Close-up Lens No. 4T IC 52mm (3.0 Diopter)	2737 NCP
Close-up Lens No. 5T IC 62mm (1.5 Diopter)	4536 NCP
Close-up Lens No. 6T IC 62mm (3.0 Diopter)	4537 NCP

AUTO EXTENSION RINGS

Nikon extension rings can be used singly or in combination to vary the reproduction ratio of lenses from 20 to 300mm. They are mounted between the camera body and the lens. As a rule, the effect becomes stronger the shorter the focal length of the lens in use, and the longer the focal length of the extension ring. Through-the-lens exposure control automatically compensates for lens extension. Manual and aperture-priority auto-exposure control modes are possible. Manual focus only.

Extension Ring	Nikon Product Number
PK-11A (8mm)	2656 NCP
PK-12 (14mm)	2652 NCP
PK-13 (27.5mm)	2653 NCP

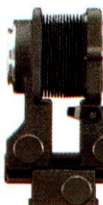
(PK-13 when used with 55mm f/2.8 Micro-Nikkor, 1:1.5 to 1:1 are possible)



BELLOWS AND ACCESSORIES

A bellows focusing attachment can allow you to get really close — as much as 11 times life-size. Depth of field and working distance are important when using a bellows, so you may want to add other Nikon accessories.

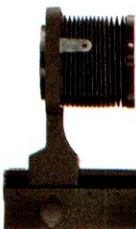
BELLOWS FOCUSING UNIT PB-6



The PB-6 renders reproduction ratios to nearly 11X, depending on lens used and mounting configuration. Its modular design offers a versatile system of close-up and macrophotography. Operates with manual or aperture priority auto, TTL metering and flash control. Extension range is 48-208mm. Supplied with Front Standard, Rear Standard, Rail Assembly and Bellows.

Nikon Product Number: 2660 NAS

EXTENSION BELLOWS PB-6E



This attachment more than doubles the magnification ratio of the PB-6 (to 22X) and a 20mm lens in reverse position at full bellows extension. Produces continuously variable extension range from 83-438mm. Includes Center Standard, Extension Rail Assembly, Extension Bellows.
Nikon Product Number: 2663 NAS

SLIDE COPYING ADAPTER PS-6

Duplicate and crop 35mm transparencies (with mounts up to 4mm thick) with this unit attached to the PB-6. Operates with TTL exposure systems.

Nikon Product Number: 2661 NAS



MACRO COPY STAND PB-6M

Provides the PB-6 with a convenient stand for small items. 18% grey surface.
Nikon Product Number: 2662 NAS

LENS REVERSING RING BR-2A, MOUNT ADAPTER RING BR-5, ADAPTER RING BR-3, AUTO DIAPHRAGM RING BR-6

The BR-2A enables you to mount a 52mm front thread lens in reverse on the PB-6 and Nikon cameras to increase magnification and working distance. BR-3 provides a 52mm thread for filters and other lens attachments with lens in reverse. BR-5 allows mounting lens with 62mm thread (use with BR-2A). BR-6 for the PB-4, PB-5 and PB-6 enables Nikkor lens auto-diaphragm control with AR-4/7/10 cable release.

Nikon Product Number BR-2A: 2657 NCP

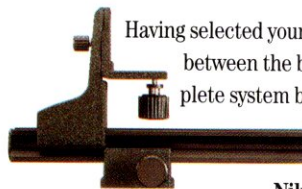
Nikon Product Number BR-3: 2629 NCP

Nikon Product Number BR-5: 2631 NCP

Nikon Product Number BR-6: 2658 NAS



FOCUSING STAGE PG-2

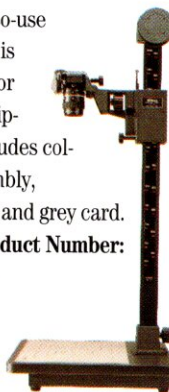


Having selected your reproduction ratio, you can mount the PG-2 between the bellows and the tripod and move the complete system back and forth to obtain the sharpest focus. Eliminates any need to modify either lens focus ring or bellows extension.

Nikon Product Number: 2758 NCP

REPRO COPY OUTFIT PF-4

This easy-to-use copystand is designed for Nikon equipment. Includes column assembly, baseboard and grey card.
Nikon Product Number: 2757 NAS

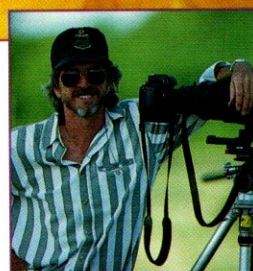
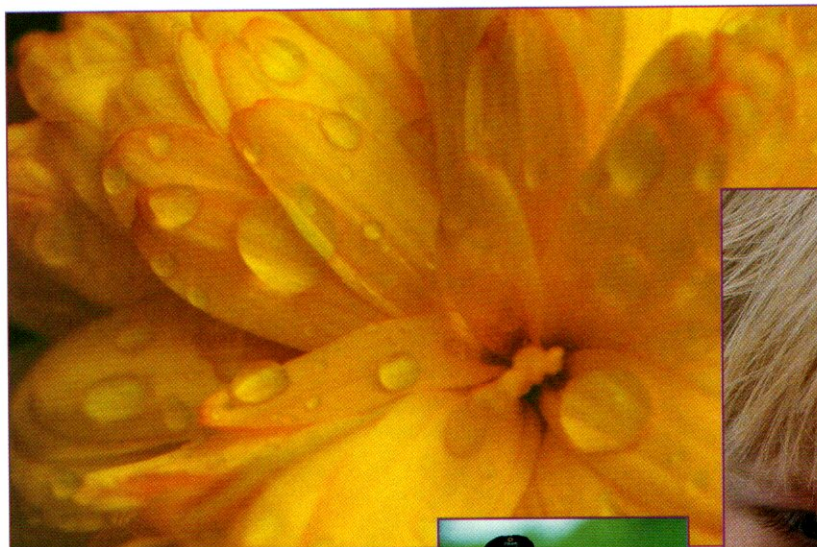


NIKON SCHOOL PHOTO TIP:
"CLOSE-UP" ISN'T ALWAYS A MATTER OF HOW CLOSE YOU CAN GET TO THE SUBJECT MATTER. INSTEAD IT IS MORE COMMONLY DEFINED BY HOW LARGE THE IMAGE APPEARS ON THE FILM. THIS IS CALLED "REPRODUCTION RATIO." FOR EXAMPLE, IF THE IMAGE IS THE SAME SIZE AS THE ACTUAL SUBJECT, THE RATIO IS "1:1" OR SIMPLY "1X." IF THE IMAGE IS TWO TIMES LARGER, THE RATIO IS 2:1 OR 2X. IF ONE-HALF THE SIZE OF THE ORIGINAL, THE RATIO IS 1:2 OR 1/2X.

**UP CLOSE WITH
AL SATTERWHITE**

"Working up close with Nikon is fast and easy. I shot this close-up portrait at the touch of a button, completely on automatic. Micro-Nikkor lenses offer tremendous flexibility. Other Nikon close-up accessories adhere to the close tolerances and exacting performance so necessary to this exciting area of photography."

Al Satterwhite



CABLE RELEASES

When used together with the Bellows Focusing Attachment PB-6, the AR-10, AR-7 or AR-4 stops the lens diaphragm down to the preselected aperture the instant the shutter is released. To enable automatic diaphragm operation with PB-4 or PB-5, use the BR-4 ring. When used with a double release or double cable release, the BR-4 ring also allows automatic diaphragm operation of the lens mounted in the reverse position via optional Macro Adapter Ring BR-2. When the BR-4 Auto Ring is used between the lens and bellows, its 9mm extension influences the range of magnification. When the lens is mounted in reverse position, the reproduction ratio remains the same as that given in the instruction manual of the bellows.

Cable Release	Nikon Product Number
AR-4 with Nikon Thread	2636 NAS
AR-7 with ISO Thread	668 NAS
AR-10 for MD Terminal	2670 NAS

BELLOWS/RAIL SPACER PB-6D

Mounts between the bellows standard and rail to provide sufficient clearance to enable motorized cameras to operate with bellows system. Two are required for operation.

For PB-6, 6E and PS-6.

Nikon Product Number: 2664 NAS



MISCELLANEOUS CLOSE-UP ACCESSORIES

Product Description	Nikon Product Number
Motor Drive Holder PH-4 Enables motor drive with PF-4 Repro copy outfit.	2758 NAS
18% Grey Card for PF-4 Replacement item.	2754 NAS
Table Clamp PC-3 Enables use of PF-4 with table or firm support up to 1.5" thick.	2753 NAS
Tripod Adapter Plate Attach F4S, N90, N800SS to PF-4.	2759 NAS
Slide Copy Adapter ES-1 Fast, accurate slide duplication with Nikkor 55mm f/2.8 Micro-Nikkor lens.	3213 NAS

TTL MACRO SPEEDLIGHT SB-21A/B

Designed specifically for close-up work, this compact, battery operated unit features dual rotatable flash tubes, for flat front lighting or selected relief lighting. Advanced electronics assure consistent exposure control with variable output. A built-in focus illuminator aids manual focusing. Further enhancement to lighting is possible using secondary lighting and reflector systems. This unit is ideally suited for use with the AF Micro-Nikkor lenses.

Nikon Product Number SB-21A: 4701 NAS
Nikon Product Number SB-21B: 4702 NAS



REMOTE CONTROL

Nikon remote control lets you stay out-of-sight while your camera stays within range. Avoid disturbing the action. Get the kind of photos others only dream about.

WIRELESS RADIO REMOTE CONTROL SET MW-2

Provides interference-free remote control up to 2,295 feet (700 meters). Operates with Nikon motor-driven cameras F4S, F3 Series (with MD-4 motor), N90 (requires MC-25 adapter cord), N8008s, FM2 (with MD-12). Can operate three separate cameras automatically. (supplied w/MC-18 cord).

Nikon Product Number for MW-2 : 141 NCP

Nikon Product Number for MW-2 Receiver

(repl.): 142 NCP

Nikon Product Number for MW-2

Transmitter (repl.): 143 NCP



MODULITE REMOTE CONTROL SETS ML-2, ML-3

Compact, easy-to-handle unit uses modulated light to automatically control up to two cameras for distances up to 327 feet (100 meters). Operates with Nikon motor-driven cameras F4S, F3 Series (with MD-4), N90 (requires MC-25 adapter cord), N8008s, FM2 (with MD-12). Also for N90, see ML-3 (page 15). ML-3 for Nikon N90 camera only.

Nikon Product Number for ML-2: 4641 NCP

Nikon Product Number for ML-3: 4645 NAS

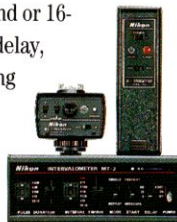
Nikon Product Number for Bracket: 4648 NCP



INTERVALOMETER MT-2

For unmanned time-lapse photography, work sampling, time exposures or delayed exposures. Quartz-controlled MT-2 provides shooting intervals from 0.1 seconds to 27 hours and either 2-second or 16-second shutter release delay, allowing time for focusing or flash recycling. Can also be used with other remote control devices. Operates with Nikon motor-driven cameras F4S, F3 Series (with MD-4), N90 (requires MC-25 adapter cord), N8008s, FM2 (with MD-12).

Nikon Product Number: 128 NCP

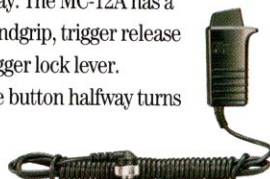


MOTOR REMOTE TRIGGER CORD MC-12A

For remote control photography up to 9.8' feet (3 meters) away. The MC-12A has a convenient handgrip, trigger release button and trigger lock lever. Depressing the button halfway turns on the camera's exposure meter.

Depressing fully releases the shutter. Trigger lock enables time exposures. F4S, F3 Series (with MD-4), N90 (requires MC-25 adapter cord), N8008s, FM2 (with MD-12 motor).

Nikon Product Number: 4586 NCP



MOTOR REMOTE CORD WITH BANANA PLUG MC-4A (3')

For remote photography. The plug on one end of the MC-4A connects to the remote control socket. The other end has both plus and minus banana-type plugs, used to connect a variety of electrical remote control devices.

Nikon Product Number: 4583 NCP

AH-3 TRIPOD MOUNTING ADAPTER

For attaching Nikon cameras with separate motor drives to tripod or Repro-copy Outfit PF-4.

Nikon Product Number: 4580 NCP

REMOTE CORD WITH TIMER MC-20

Enables remote firing and long time-exposure settings (up to 9 hours, 59 minutes, 59 sec.) of F4S, N8008s and N90 cameras. LCD panel with illuminator counts exposure time up or down. Provides both B and T mode operation. Use with F4S and N8008s requires MC-26 Adapter Cord and CR2032 battery.

Nikon Product Number: 4650 NAS



MC-26 ADAPTER CORD

To connect MC-20 Remote Cord to Remote Terminal of F4S or N8008s.

Nikon Product Number: 4656 NAS



MOTOR REMOTE TRIGGER CORD MC-10

For use with F4S/F3 Series/FM2/N8008 SLRs, motor drives MD-2/3/4/12/15 for firing at camera distance up to 10'.

Nikon Product Number: 131 NCP



MOTOR TERMINAL RELEASE MR-3

For mounting on the standard remote control terminal of Nikon motor drives and motorized cameras. Provides alternate shutter release. Tapered thread for connection of standard ISO-type cable release.

Nikon Product Number: 4563 NCP

CABLE RELEASES

Essential for slow shutter speeds, Nikon cable releases ensure one-hand shutter release operation. Model AR-3 with ISO type tapered thread for F4S, F3 series, N6006/6000, FM2N. AR-7 for use with PB-6 and F4S, F3 series, N6006/6000, FM2N. AR-10 for use with N90 (with MC-25), N8008s.

Cable Release Nikon Product Numbers:
AR-3 664 NCP, AR-7 668 NAS,
AR-10 2670 NAS

MISCELLANEOUS SLR ACCESSORIES

ANTI-COLD BATTERY PACKS DB-2, DB-5

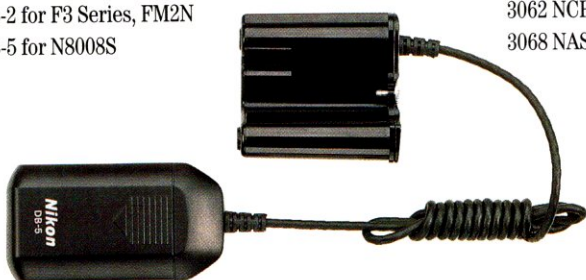
These external battery packs allow you to keep your battery power source inside your pocket to keep it warm and your camera operational in freezing temperatures. DB-5 uses 6V lithium battery. DB-2 uses 2 AA batteries.

Pack

DB-2 for F3 Series, FM2N
DB-5 for N8008S

Nikon Product Number

3062 NCP
3068 NAS



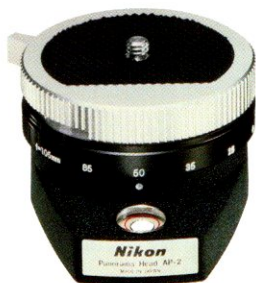
EXTERNAL BATTERY PACK DB-6

The DB-6 provides added power for prolonged or low-temperature shooting with the F4s or N90. Uses six D-type batteries and connects to the F4's MB-23 Battery Pack via MC-28 or N90 via MC-29 cord.

Nikon Product Number: 3069 NAS

Nikon Product Number for MC-28 Cord for F4S: 4658 NAS

Nikon Product Number MC-29 Cord for N90: 4659 NAS



PANORAMA HEAD AP-2

Provides panoramic shooting on tripod with 28mm to 105mm lenses. Includes fitted bubble level for precise tripod setup and horizon. For F4S, N90, F3HP/F3/T, N8008S, N6006/6000, N5005, FM2N.

Nikon Product Number: 2028 NCP

SYNC TERMINAL ADAPTER AS-15

Connects flash sync cords fitted with standard PC-type connector to the camera body via the built-in hot shoe. Suitable for use with Nikon SLR cameras not fitted with PC-type sync terminal. For N8008S, N6006/6000, N50, N5005.

Nikon Product Number: 3066 NCP

CABLE RELEASE ADAPTER AR-8

Adapts cable release connectors fitted with Nikon-type mount for operation with cameras having ISO-type tapered thread. For use with AR-2/4 release only and F3HP/F3/T and FM2.

Nikon Product Number: 669 NCP

SOFT SHUTTER RELEASE AR-9

For mounting on shutter buttons fitted with ISO-type tapered thread. For F3 Series, N6006/6000 and FM2 cameras. **Nikon Product Number: 4417 NCP**

CAMERA NECKSTRAPS

Choose nylon, leather or leatherette — all adjustable to length. Flared nylon neckstraps ensure no-strain carrying. Leather and leatherette types have shoulder pads for wearing comfort. And, of course, Nikon neckstraps will not scratch the corners of your camera. All straps attach to all Nikon SLR cameras, except as noted.

Strap	Description	Nikon Product Number
AN-1	Leather with removeable rubber neck pad *	635 NCP
AN-4B	Woven nylon fabric with non-slip pad (black)	639 NCP
AN-4Y	Woven nylon fabric with non-slip pad (yellow with black)	638 NCP
AN-6W	Wide woven nylon fabric with non-slip pad (wine with yellow stripes and embroidered "Nikon")	4508 NCP
AN-6Y	Wide woven nylon fabric with non-slip pad (yellow with black stripes and embroidered "Nikon")	507 NCP
AH-4	SLR leather handgrip wraps around wrist for secure grip when using zoom and telephoto lenses	649 NAS
NS-1	Wide fabric neckstrap (grey)	673 NCP
NS-3	Soft neckstrap (blue)	5203 NCP
NS-4	Soft neckstrap (black)	5204 NCP
NS-5	Wide soft neckstrap (black)	5205 NCP

* Not for N90, N8008s, N6006/6000, N50, N5005, N4004S or N4004.



NIKON SLR CAMERA FEATURES AND SPECIFICATIONS

	F4S	N90	N8008s	N6006	N6000
Camera Type	35mm AF SLR w/built-in motor drive.	35mm AF SLR w/built-in motor drive.	35mm AF SLR w/built-in motor drive.	35mm AF SLR w/built-in motor drive.	35mm SLR w/built-in motor drive.
Lens mount	Nikon F Bayonet.	Nikon F Bayonet.	Nikon F Bayonet.	Nikon F Bayonet.	Nikon F Bayonet.
Interchangeable Lens Compatibility	All AF and AF-I Nikkor lenses provide full autofocus and metering operations. AI-P lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and full metering operations. AI lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and aperture priority and manual exposure mode and full metering operations. Check F4 instruction manual for further details.	All AF and AF-I Nikkor lenses including D Type ³ provide full autofocus and metering operations. AI-P lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and full metering operations. AI lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and aperture priority and manual focus w/CW and spot metering operations. Check N90 instruction manual for further details.	All AF Nikkor lenses ¹ provide full autofocus and metering operations. AI-P lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and full metering operations. AI lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and aperture priority and manual exposure mode w/CW and spot metering operations. Check N8008s instruction manual for further details.	All AF Nikkor lenses ¹ provide full autofocus and metering operations. AI-P lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and full metering operations. AI lenses (max. aperture f/5.6) provide manual focus w/electronic rangefinder and aperture priority and manual exposure mode w/CW and spot metering operations. Check N6006 instruction manual for further details.	All AF Nikkor lenses ¹ and AI-P lenses provide full metering and exposure operations. AI lenses provide aperture priority and manual exposure mode w/CW meter. Check N6000 instruction manual for further details.
Viewfinder	Interchangeable with the standard DP-20 Finder, three TTL meters provided. 5-segment Matrix Meter, 60/40 center-weighted meter and spot meter (Spot meter is built into body of F4 and is available with any F4 accessory finders).	Fixed eye level pentaprism with high eyepoint.	Fixed eye level pentaprism with high eyepoint.	Fixed eye level pentaprism with high eyepoint.	Fixed eye level pentaprism with high eyepoint.
Viewfinder Coverage	Approx. 100%.	Approx. 92%.	Approx. 92%.	Approx. 92%.	Approx. 92%.
Metering System	With DP-20 Finder, three TTL meters provided: 5-segment matrix, center-weighted and spot.	Three TTL meters provided: 8-segment 3D matrix meter ⁹ , 75/25 center-weighted and spot meter.	Three TTL meters provided: 5-segment matrix meter, 75/25 center-weighted and spot meter.	Three TTL meters provided: 5-segment matrix meter, 75/25 center-weighted and spot meter.	Two TTL meters provided: 5-segment matrix meter and 75/25 center-weighted meter.
Meter EV Range (ISO 100, f/1.4)	EV 0-21 (EV 2-21 w/spot meter).	EV minus 1-21 (EV 3-21 w/spot meter).	EV 0-21 (EV 4-21 w/spot meter).	EV 0-19 (EV 4-19 w/spot meter).	EV 0-19.
Shutter	Vertical focal plane, controlled from 1/8000 to 30 seconds steplessly in PH, P or A mode ⁴ . Set from 1/8000 to 4 seconds in one EV step in M or S mode. Bulb and time provided.	Vertical focal plane, controlled from 1/8000 to 30 seconds; bulb setting. P, S, A – 30 sec. to 1/8000 steplessly ⁴ . S, M – 30 sec. to 1/8000 in 19 steps plus bulb.	Vertical focal plane, controlled from 1/8000 to 30 seconds; bulb setting. PD, PH, A – 30 sec. to 1/8000 steplessly ⁴ . S, M – 30 sec. to 1/8000 in 19 steps plus bulb.	Vertical focal plane, controlled from 1/2000 to 30 seconds; bulb setting. P, A – 30 sec. to 1/2000 ⁴ . S, M – 30 sec. to 1/2000 in 17 steps plus bulb.	Vertical focal plane, controlled from 1/2000 to 30 seconds; bulb setting. P, A – 30 sec. to 1/2000 ⁴ . S, M – 30 sec. to 1/2000 in 17 steps plus bulb.
Film Advance	CH mode approx. 5.7 fps; CL mode 3.4 fps; CS mode 1.0 fps ² .	CH mode approx. 3.6 fps, CL mode 2.0 fps ² .	CH mode approx. 3.3 fps, CL mode 2.0 fps ³ .	CH mode approx. 2.0 fps, CL mode 1.2 fps ³ .	CH mode approx. 2.0 fps, CL mode 1.2 fps ³ .
Film Rewind ⁸	Power rewind (approx. 8 sec. with 36 exp.) or manual.	Power rewind, automatic when set with DataLink.	Power rewind, 10 sec. w/24 exp.	Power rewind, 19 sec. w/24 exp.	Power rewind, 19 sec. w/24 exp.
DX Range	ISO 25-5000.	ISO 25-5000.	ISO 25-5000.	ISO 25-5000.	ISO 25-5000.
ISO Range (manual setting)	ISO 6-6400.	ISO 6-6400.	ISO 6-6400.	ISO 6-6400.	ISO 6-6400.
Built-in Flash	—	—	—	GN#43 covers 28mm lenses or longer; TTL auto balanced fill flash possible.	—
Flash Sync	1/60-1/250 sec. in PH, P or A mode. In M or S mode shutter fires at selected speed but when set to 1/250 to 1/8000 sec. shutter is automatically set to 1/250 sec and B + T settings. Down to 30 sec. is possible using SB-25, SB-24 set to rear curtain sync in PH, P or A mode.	1/60-1/250 sec. in P or A modes ¹¹ or 1/250 to 30 sec. in slow sync and B setting. In M or S mode, shutter fires at selected speed, but when set to 1/250 to 1/8000 sec. shutter is automatically set to 1/250 sec. With SB-25, N90 can sync up to 1/4000 sec. in FP mode.	1/60-1/250 sec. PD, P, PH or A mode In M or S mode shutter fires at selected speed, but when set to 1/250 to 1/8000 sec. shutter is automatically set to 1/250 sec. With SB-25, N8008s can sync down to 30 sec. in rear curtain and B setting.	1/60-1/250 sec. P or A mode; 1/125 to 30 sec. in slow sync mode and B setting. In M or S mode, shutter fires at selected speed but when set to 1/250 to 1/2000 sec., shutter is automatically set to 1/125 sec.	1/60-1/125 sec. P or A mode; 1/125 to 30 sec. in slow sync mode and B setting. In M or S mode, shutter fires at selected speed but when set to 1/250 to 1/2000 sec., shutter is automatically set to 1/125 sec.
Speedlight Control	TTL automatic matrix balanced fill flash ¹⁰ . Refer to instruction manual for further information.	5-segment TTL flash sensor, 3D Multi-sensor balanced fill flash (only w/N90 + SB-25 + D-type lens) in all metering modes. Refer to instruction manual for further information.	TTL automatic matrix balanced fill flash ¹⁰ . Refer to instruction manual for further information.	TTL automatic matrix balanced fill flash w/built-in speedlight or using Nikon TTL Speedlights ¹⁰ . Refer to instruction manual for further information.	TTL automatic matrix balanced fill flash w/Nikon TTL Speedlights ¹⁰ . Refer to instruction manual for further information.
# Rolls Film with Fresh Batteries ⁵	MB-21 w/AA alkaline-manganese approx. 90 rolls (68°F); MB-21 w/Nicad batteries approx. 70 rolls (68°F).	w/AA alkaline-manganese approx. 75 rolls (68°F) ^{5,6} .	w/AA alkaline-manganese approx. 105 rolls (68°F) ^{5,6} .	w/6V lithium approx. 75 rolls (68°F, without flash) ^{5,6} .	w/6V lithium approx. 75 rolls (68°F) ⁵ .
Power Source	MB-21 battery pack (6 AA) batteries; MB-20 battery pack (4AA) batteries; MB-22 External Power Regulator; MB-23 Power pack (AA or Nikon MN-20 Nicad batteries).	Four AA batteries.	Four AA batteries.	6V lithium batteries.	6V lithium batteries.
Dimensions	With MB-21, 6.6" x 5.4" x 3.0".	6.1" x 4.2" x 2.7".	6.1" x 4.1" x 2.6".	6.1" x 4.0" x 2.6".	6.1" x 4.0" x 2.6".
Weight	With MB-21, 45.1 oz.	26.6 oz.	24.5 oz.	23.0 oz.	23.0 oz.

1 – AF-I Nikkor lenses provide manual focus operation but provide full metering function.

2 – New AA alkaline-manganese, shutter set at 1/250 sec. or faster and normal temperatures.

3 – New AA alkaline-manganese, shutter set at 1/125 sec. or faster and normal temperatures.

4 – Actual slowest shutter speed depends on lighting conditions.

5 – Depends on battery life and type and operating temperature.

6 – Film advance in CH mode, AF-C, shutter speed 1/125 or faster (N90: 1/250 or faster, 68°F, standard zoom lens, one frame closest focus to infinity).

7 – Battery life shooting 2 rolls per month for approximately one year (silver oxide or lithium type).

8 – Mid roll rewind possible with all Nikon SLRs.

N50	F3HP	FM2
35mm AF SLR w/built-in motor drive. Nikon F Bayonet.	35mm SLR w/optional motor drive. Nikon F Bayonet.	35mm SLR w/optional motor drive. Nikon F Bayonet.
AF Nikkor lenses provide full autofocus and metering operations. AI-P lenses (max. aperture f/5.6) provide manual focus and full metering operations. Check N50 instruction manual for further details.	All Nikkor AF, AI-P, AF-I, AI-S lenses. Check F3HP instruction manual for further details.	All Nikkor AF, AF-I, AI-S lenses. Check FM2 instruction manual for further details.
Fixed eye level pentaprism with high eyepoint.	Eye level high eyepoint DE-3 standard, interchangeable w/5 others.	Fixed eye level pentaprism.
Approx. 90%.	Approx. 100%.	Approx. 93%.
Two TTL meters provided: 5-segment 3D matrix meter for P, S and A modes. 75/25 center-weighted meter for manual exposure mode.	TTL center-weighted meter 80/20.	TTL center-weighted meter 60/40.
EV 1-20.	EV 1-18.	EV 1-18.
Vertical focal plane, controlled stepless from 1/2000 to 30 seconds; time setting. P, A, M, S – 30 sec. to 1/2000 in 17 steps ⁹ .	Horizontal, titanium, focal plane, controlled from 1/2000 to 8 seconds; bulb and time setting. A – 8 sec. to 1/2000 ⁹ . M, T, B, X – 8 sec. to 1/2000 in 16 steps.	Vertical, focal plane, controlled from 1/4000 to 1 second in 14 steps, bulb setting.
Automatic advance at approx. 1 fps ⁹ .	Manual, w/MD-4 Motor Drive C mode approx. 3.8 fps ⁹ .	Manual, w/MD-12 Motor Drive C mode approx. 3.2 fps ⁹ .
Automatic rewind, 17 sec. w/36 exp.	Manual w/MD-4 Motor Drive: 8 sec. w/36 exp.	Manual.
ISO 25-5000.	—	—
ISO 6-6400 (Advanced mode).	ISO 12-6400.	ISO 12-6400.
GN#42.7 covers 35mm lenses or longer; TTL auto balanced fill flash with Nikon TTL Speedlights.	—	—
1/125 sec. or slower.	All speeds up to 1/80 sec.	All speeds up to 1/250 sec.
TTL automatic balanced fill flash w/built-in Speedlight or using Nikon TTL Speedlights. Refer to instruction manual for further information.	TTL automatic flash.	Automatic flash.
w/6v lithium approx. 80 rolls (68°F, without flash) ⁹ .	7	7
6V lithium batteries.	2 SR-44 batteries.	2 SR-44 batteries.
5.9" x 3.8" x 2.8".	5.8" x 4.5" x 2.8".	5.6" x 3.5" x 2.4".
20.5 oz.	26.8 oz.	19.0 oz.

9 – 3D matrix metering is selected with D-type AF Nikkor lenses; advanced matrix metering is selected with non-D-type lenses.

10 – With Nikon TTL Speedlights SB-25, SB-24, SB-23, etc.

11 – Flash sync w/60mm focal length or longer. When using lens with focal length of 60mm or shorter, sync is 1/focal length (P and A modes).

	F4S	N90	N8008s	N6006	N50	F3HP	FM2N
Continuous AF							
Single AF							
Focus Tracking							
Autofocus							
AF wide/spot selection							
AF Lock							
Manual Focus							
AF-I compatibility	10	10	9	9	9	9	9
8-segment meter		1					
5-segment meter	2						
Metering					7		
6-segment meter					6		
Center Weighted Meter							
Spot Meter							
Multi-Program							
Program Hi							
Dual Program							
Program							
Shutter Priority							
Aperture Priority							
Exposure							
Manual							
Vari-Program					8		
All mode Bracketing							
AE mode Bracketing							
Compensation							
AE Lock							
Memory setting function							
Built-in Speedlight							
Multi-sensored balanced fill-flash		3					
Flash							
TTL balanced fill-flash							
Standard TTL flash	13					4	
Slow and/or rear curtain sync	11		11		12		
TTL flash compensation	11		11				
Flash Bracketing							
Automatic Rewind							
Manual Rewind							
Two button auto reset							
Two shot self-timer							
Interchangeable viewfinder							
Misc.							
Interchangeable focus screens							
Eyepiece shutter							
Cable Release							
Remote Terminal		5					
World Time							
Quartz Date							

■ AF-I Nikkor lenses. Full autofocus and meter operation.

■ With most Nikkor lenses (refer to instruction manual).

■ AF and P Nikkor (lenses w/CPU).

■ Only with SB-25, SB-24, SB-23, etc. and AF Nikkor.

■ Only with SB-25, SB-24, SB-23, etc.

■ AF Nikkor.

■ Possible with Multi-Control Back or Data Back.

1 – When using D-type lenses changes to 3D Multi-sensor metering.

2 – Nikkor lenses w/CPU and AS-I, AI.

3 – With SB-25 and D-type Nikkor 3D multi-sensor balanced fill flash.

4 – With SB-16, SB-17, etc.

5 – 10 pin terminal.

6 – Center-weighted metering in manual exposure mode.

7 – D-type Nikkor allows 6-segment metering.

8 – N50 in Simple mode; general purpose, landscape, portrait, close-up; in Advanced mode, sport, silhouette, night scene and motion effect programs.

9 – Manual focus with full meter operation.

10 – Full autofocus and metering operation.

11 – With SB-25, SB-24 rear sync and flash compensation is possible.

12 – Slow sync only.

13 – Performance varies with lens type and finder.

35MM COMPACT CAMERAS

GET IN TOUCH WITH THE BEST

NEW

The greatest pictures in the world are taken with Nikon cameras, but that doesn't mean you have to be a professional photographer to get great results. Our "Touch Series" of compact 35mm cameras is designed for ease-of-use, and these cameras offer the same high level of quality you expect from Nikon.

WITHOUT VR



105MM SHOT TAKEN WITH REGULAR ZOOM COMPACT

WITH VR



105MM SHOT TAKEN WITH NIKON'S EXCLUSIVE VIBRATION REDUCTION



ZOOM-TOUCH 105 VR QD WITH NEW VIBRATION REDUCTION

The Zoom-Touch 105 VR QD features Nikon's new Vibration Reduction technology. Now get sharper pictures even at slow shutter speeds in dim light or in hand-held telephoto situations. Power zoom lens, built-in flash, panorama format option and other features make this Nikon Touch camera a great choice. You'll get sharper pictures in more situations than ever before.



38MM



85MM



105MM

38 TO 105MM POWER ZOOM LENS

From 38mm wide-view shots to 105mm portraits, candid and close-ups, the Zoom-Touch 105 VR QD lets you zoom in to where the action is — at the touch of a button. The Nikon zoom lens delivers the extra edge for sharp, clear pictures.

ZOOM-TOUCH 105 VR QD

- Vibration Reduction for sharper pictures
 - 38-105mm zoom lens
 - Built-in flash with Flash Cancel, Anytime Flash and Slow Sync modes
 - Autofocus with Focus Lock and Infinity Focus
 - Built-in UV filter to protect the lens from dust and dirt
 - Fully automatic film operation with mid-roll power rewind and DX setting
 - Self-timer
 - Built-in panorama mode and data imprint function
 - Red-eye reduction
 - Unique Size Scale Imprint estimates subject's size and imprints scale on picture
 - Quartz date imprint of month/day/year, day/hour/minute
- Nikon Product Number: 1834 NCP

(VR) VIBRATION REDUCTION

Here's how VR works: When the shutter button is depressed halfway, two sensors detect the amount of camera movement. If movement is significant, during the exposure, vibration reduction technology subdues its effect. The result? VR makes sharper pictures possible down to 1/4 second shutter speed. Now shoot with greater confidence in dim light, or hand-hold the Zoom-Touch 105 VR QD even with the zoom lens set to 105mm.

WORKS WITH AUTO ZOOM FLASH

Vibration Reduction also works with the Zoom-Touch 105 VR QD's built-in auto-zoom flash. This means the camera can operate at slower shutter speeds, giving you well-

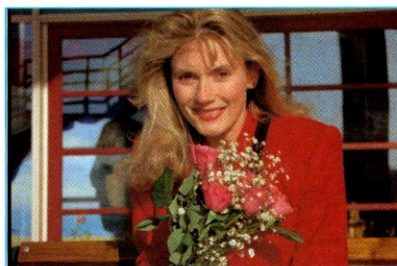
**LITE-TOUCH ZOOM —
THE WORLD'S SMALLEST 35MM
AUTOFOCUS ZOOM CAMERA**

NEW

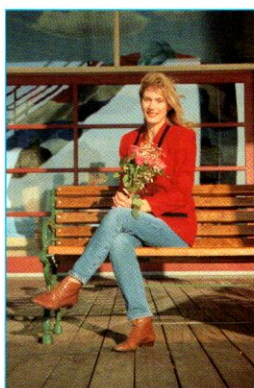
The Nikon Lite-Touch Zoom is today's smallest and lightest 35mm AF zoom compact camera. It has Nikon quality throughout with features that will enhance your picture-taking. You'll want to take the Lite-Touch Zoom with you everywhere.

35 - 70MM ZOOM FOR RAZOR SHARP PICTURES

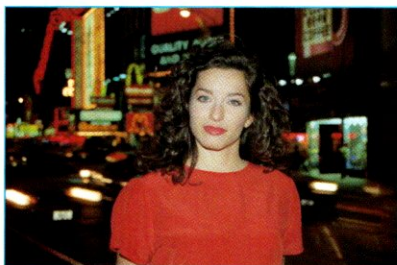
Zoom from 35mm for wide-view photos, to 70mm telephoto for distant scenes or close-ups.



70MM



35MM



NIGHT SCENE/RED-EYE REDUCTION



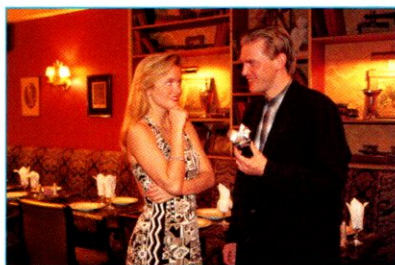
Shown actual size!

AUTO FLASH/AUTOFOCUS

Built-in flash fires automatically when it's dark. Or, cancel flash. Autofocus assures sharp pictures. Focus Lock and Infinity Focus add even more versatility.

MOVE CLOSE

Get as close as 2 feet with any zoom setting.



RED EYE REDUCTION

Red-Eye Reduction lamp helps make your flash pictures of people look better.

BRILLIANT NIGHT SCENES

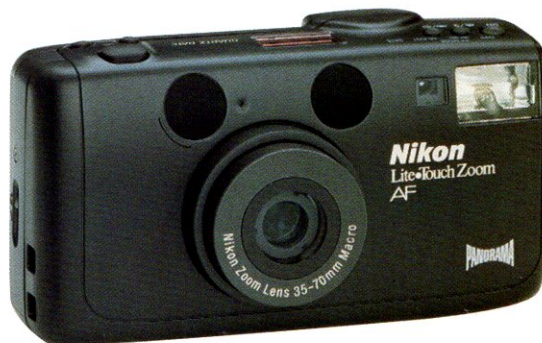
Shutter speeds down to 1/4 second offer stunning low-light photos. With flash, get dramatic new photographs.

**PLUS SELF TIMER AND
AUTOMATIC FILM HANDLING**

Make yourself a part of the picture. Hassle-free, automatic film handling from DX coding, to loading and unloading.

Nikon Product Number: 1832 NCP

**PLUS LITE-TOUCH ZOOM QUARTZ
DATE WITH PANORAMA!**



Get all the great Lite-Touch Zoom standard features, plus data imprint right on your photographs! Your choice of Month/Day/Year, Day/Hour/Minute or no imprint and 24-hour clock.

PANORAMA

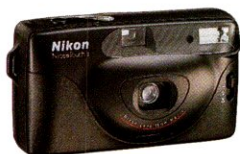
Change from normal format to panorama at the flip of a switch (QD version only). Panorama photos let you capture sweeping landscapes and show your subjects in an all-new way.

**Nikon Product Number:
1833 NCP**





NICE-TOUCH 2 OUTFIT



Focus free, for easy point-and-shoot 35mm photography. Automatic flash and automatic exposure help you take great pictures — with just the right lighting — indoors or out. Macro lens feature for pictures as close as 1.8 feet. Supplied w/case, nylon neck strap, 12-exp. film, 2 AA batteries.

Nikon Product Number: 9615 NCP

FUN-TOUCH 3

NEW

Now great pictures are easy! Choose this Nikon Touch camera and its fully automatic operation enables you to get great pictures at the push of a button.

Includes built-in, automatic flash with red-eye reduction and auto film handling. Case and strap included. Compact. Lightweight.

Nikon Product Number: 1863 NCP



LITE-TOUCH

The smallest and lightest 35mm AF camera in the world! The Lite-Touch allows you to take terrific regular sized 35mm pictures — or panorama pictures — at the touch of a button. Its 28mm f/3.5 lens is perfect for general-purpose shooting, and its advanced autofocus system features 100 steps plus infinity. The Lite-Touch also features a built-in automatic flash with red-eye reduction, and a two-shot self-timer. The Lite-Touch Quartz Date model allows you to imprint both regular and panorama prints with the date or time. Dimensions: 4.3 in. wide, 2.4 in. high, 1.3 in. thin.

Nikon Lite-Touch Product Number: 1815 NCP

Nikon Lite-Touch Quartz Date Product Number: 1816 NCP

SPORT-TOUCH OUTFIT

Sturdy splash-proof construction makes this handy Nikon camera ideal for camping trips, boating, or even backyard picnics. Fully automatic operation for easy point-and-shoot picture-taking. Supplied w/waterproof case, neck strap, 12-exp. film, 2 AA batteries.

Nikon Product Number: 9592 NCP



ZOOM-TOUCH 470

A 35-70mm Power Zoom lens makes this stylish, lightweight, compact camera perfect for vacations. Power zoom in to 70mm telephoto to capture distant subjects or make great portrait pictures, or stop the lens anywhere between 35mm and 70mm. Everything is automatic, so you can focus on having fun. Optional adapter lets you capture panoramic scenes. Memorable moments are made even easier to remember when the date or time is imprinted on every picture. If this feature appeals to you, choose the Zoom-Touch 470 Quartz Date model.

Nikon Zoom-Touch 470 Product

Number: 1830 NCP

Nikon Zoom-Touch 470 Quartz

Date Product Number:

1831 NCP



ONE-TOUCH 300

NEW

This compact 35mm camera offers great picture-taking features — including autofocus! You simply point and shoot for sharp, clear pictures. There's nothing to set, and auto-exposure helps your pictures come out just right,

every time. Use anytime auto-flash for bright, colorful pictures, or cancel flash for natural lighting. Make macro close-up shots from as close as 1.5 feet. Includes red-eye reduction, auto film handling and self timer.

Nikon Product Number: 1851 NCP



ZOOM-TOUCH 600

This sophisticated compact zoom camera allows you to switch from taking standard size pictures to breathtaking panorama pictures at the touch of a button. Power zoom from 32mm to 85mm in seconds to capture all the action. A variety of advanced features give you creative flexibility: • **Three focusing modes.** Carefree Autofocus, for point-and-shoot simplicity and clear, sharp pictures. Spot Autofocus allows you to focus on a small detail in a wide-view scene, even if the detail is not in the center of the frame. Infinity Focus, for taking sharper pictures through windows. • **Automatic Sequence Zoom.** Camera automatically takes three different pictures of your subject, one wide view, one medium view, one close up. • **Slow-Sync Flash.** Brighten your main subject, while still capturing the beauty of a background nighttime cityscape or sunset.

• **Liquid Crystal Display.** For easy to read picture-taking information.

Nikon Product Number: 1828 NCP

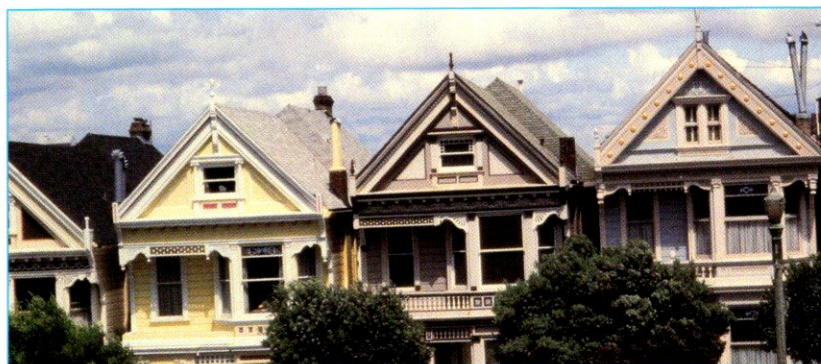


Zoom-Touch 800

It's easy to take great pictures with this top-of-the-line compact zoom camera. Everything can be automatic. Or, if you feel like taking your photography to the next step, exerting a little control, the Zoom-Touch 800 has just the right features for you. • **Power Zoom Lens** from 37mm to 105mm telephoto. ED glass is incorporated in the lens for superb image sharpness. • **Wide-Area Autofocus with Image Sensor.** Your pictures will be sharp, even if your subject isn't in the exact center of the frame. • **Spot Autofocus.** For creative composition, this special feature allows you to pre-focus on a subject for tack-sharp pictures, regardless of where your subject is in the frame. • **Focus Tracking.** If your subject is moving, the camera will "track" your subject, automatically adjusting the focus for perfect pictures. • **Automatic Sequence Zoom.** Camera automatically takes three different pictures of your subject, one wide view, one medium view, one close up.



• **Manual Exposure Compensation.** Make shots darker or lighter at the touch of a button.
Nikon Zoom-Touch 800 Product Number: 1826 NCP



PANORAMA FORMAT PICTURES AVAILABLE WITH LITE-TOUCH, ZOOM-TOUCH 470, ZOOM-TOUCH 600, LITE-TOUCH ZOOM QD AND ZOOM-TOUCH 105 VR QD.

Zoom-Touch 800 World Time Model

A must for globetrotters. The Nikon Zoom-Touch 800 World Time model automatically imprints dates, numbers and letters on each picture. And its world clock tells you the time all over the world.

Nikon Zoom-Touch 800 World Time Product Number: 1827 NCP



TOUCH CAMERAS

	Nice-Touch 2	Fun-Touch 3	One-Touch 300	Sport-Touch	Lite-Touch	Lite-Touch Zoom	Zoom-Touch 470	Zoom-Touch 600	Zoom-Touch 800	Zoom-Touch 105 VR QD
Lens										
Focal length	35mm	32mm	31mm	35mm	28mm	35-70mm Zoom	35-70mm Zoom	32-85mm Zoom	37-105mm Zoom ED	38-105mm Zoom
f/stop	4.5	4.5	4	3.5	3.5	6.5-4	4-7.6	4.5-11	3.7-9.9	4-7.8
Diopter adjustment	—	—	—	—	—	—	—	yes	yes	—
Panorama	—	—	—	—	yes	yes***	yes w/ adapter	yes	—	yes
Autofocus										
Autofocus system	fixed focus	infrared	infrared	infrared	infrared	infrared	infrared	infrared w/ spot	passive autofocus	infrared
Multiple auto focus	—	—	—	—	—	—	—	—	w/ spot or wide area	—
Autofocus tracking	—	—	—	—	—	—	—	—	—	—
Close focus	1.8 ft	4 ft	1.5 ft	2 ft	1.1 ft	2.1	2.1 ft	2 ft	2.6 ft	2.4 ft.
Infinity focus	—	—	—	—	yes	yes	yes	yes	yes	yes
Focus memory	—	—	—	yes	—	—	—	—	—	—
Exposure										
Shutter	125	130	1/8-320	1/8-320	1/4-1/250	1/4-1/250	1-420	1/4-320	1-250	1/2-350
Exposure compensation	—	—	—	—	—	—	—	±2EV .5 steps	±2EV .5 steps	—
DX range	100, 400	100, 400	100, 200, 400	100-1000	100-1000	100-1000	100-1000	64-3200	64-3200	50-3200
Non-DX	100	100	100	100	100	100	100	100	100	100
Automatic rewind	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Flash										
Wide-angle Guide # *	33	36	33	30	23	30	39	46	56	36
Telephoto Guide # *	—	—	—	—	—	—	53	69	—	46
Recycle time	7 sec.	5 sec.	5 sec.	5 sec.	4 sec.	6 sec.	5 sec.	3.5 sec.	3.5 sec.	3.5 sec.
Flash cancel	—	—	yes	yes	yes	yes	yes	yes	yes	yes
Slow sync speed	—	—	—	possible	yes	yes	yes	yes	yes	yes
Red eye reduction	—	—	yes	yes	yes	yes	yes	yes	yes	yes
Anytime flash	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Miscellaneous										
Self timer	—	—	1	1, 2	1, 2	1	1, 2	1, 2**	1, 2	1
Frame skip	—	—	—	—	—	—	—	yes	yes	—
Film leader	in	in	in	in	in	in	in	out	out	in
Message print	—	—	—	—	—	—	—	—	3 letters	date/time
Battery	2 AA	2 AA	2 AA	2 AA	3 V-Lithium	3 V-Lithium	3 V-Lithium	6 V-Lithium	6 V-Lithium	2-3 V-Lithium
Battery life	20 rolls (36 exp)	30 rolls	30 rolls	24 rolls	23 rolls	2.0	25 rolls	22 rolls	27 rolls	27 rolls
24 exp./50% flash	—	—	—	—	—	—	—	—	—	—
Weight without batteries	6.9 oz.	6.3 oz.	6.9 oz.	9 oz.	5.5 oz.	7.1	9 oz.	16.2 oz.	17.6 oz.	14.8 oz.
Size in inches										
Width	5	4.9	5.0	5	4.3	4.6	5.2	5.8	6	5.5
Height	2.8	2.8	2.9	2.9	2.4	2.5	2.8	3.1	3.2	3.0
Depth	1.9	1.8	1.8	2.2	1.3	1.4	2	2.8	3	2.8

*ISO 100, feet

***Lite-Touch Zoom QD only

**5-30 sec. possible

Specifications subject to change without notice.

NIKONOS UNDERWATER PHOTOGRAPHY SYSTEMS

PLUNGE INTO A NEW WORLD OF PHOTOGRAPHIC OPPORTUNITIES

A remarkable world awaits you. Exotic fish with blazing colors. Brilliant underwater seascapes. Fields of waving soft coral. Capture it all with Nikonos underwater photography systems, a complete line of gear designed specifically to meet the unusual demands of water, pressure and underwater light.

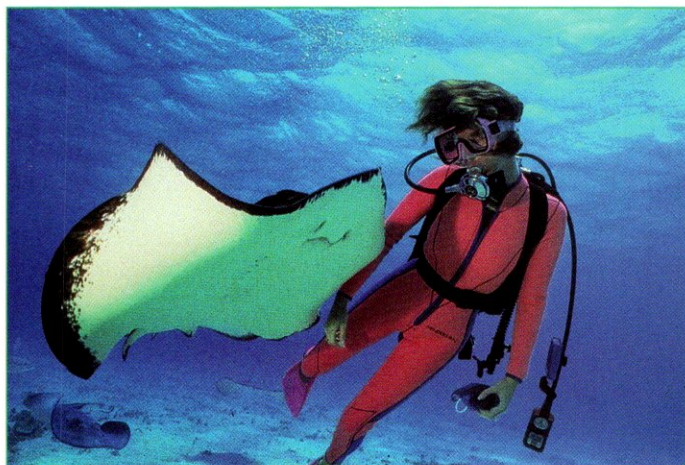
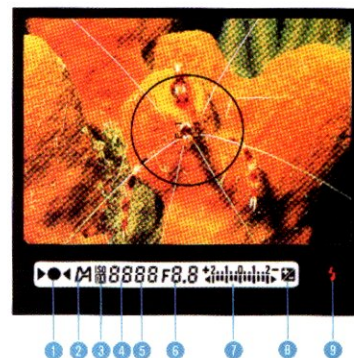


NIKONOS RS AF SLR — THE NEW ART OF UNDERWATER PHOTOGRAPHY

Now there's an underwater camera that lets you forget the rigors of underwater photography. The Nikonos RS is the world's first underwater SLR (single-lens reflex) camera with Nikonos lenses designed specifically to take advantage of reflex capability. Lightweight, responsive, and packed with high-tech features, the Nikonos RS works and feels like a part of you — even down to 328 feet below the surface.

REFLEX VIEWING MAKES THE IMAGE COME ALIVE

With the Nikonos RS, single-lens reflex viewing means achieving critical focusing and precise composition. And in murky conditions, or any other conditions for that matter, you'll appreciate the way the oversized action finder and Briteview finder screen give you a clearer image. Viewing is made com-



portable through the Nikonos RS's high-eyepoint viewfinder with 60mm eye relief and nine-degree offset angle. Hold the camera away from your mask and still obtain a bright, full image.

COMPREHENSIVE VIEWFINDER INFORMATION

Every bit of information you need to make stunning Nikon photographs appears on the RS's viewfinder LCD screen. You'll never miss an opportunity, because you'll never have to take your eye away from the viewfinder again. Complete focus, exposure mode, shutter speed and other critical information is clearly displayed.

ADVANCED AUTOFOCUS SYSTEM

The Nikonos RS features four focusing options. All designed to let you concentrate on the action, while Nikonos does the work. Use Single-Servo Autofocus for most underwater situations. Focus Lock feature lets you recompose as you like, while keeping the subject in sharp focus. Continuous-Servo Autofocus means the focus adjusts as your subject changes position. Focus Tracking automatically follows a moving subject, anticipating its precise location at the instant the aperture opens. Freeze Focus lets you set a pre-established focusing zone. When your subject enters the zone, the shutter is released. Power manual focus lets you handle special situations with fingertip ease.

APERTURE-PRIORITY AUTO AND MANUAL EXPOSURE MODES

The Nikonos RS features Aperture-Priority Auto Exposure control. You set

the aperture from f/2.8 to f/22, and the RS automatically sets the shutter speed. Or choose manual exposure control where you set the aperture and the shutter speed — from 1 full second to 1/2000 of a second. Or, use bulb for long time exposures. Exposure compensation helps you obtain exposures that meet your specific demands.

MATRIX OR CENTER-WEIGHTED METERING

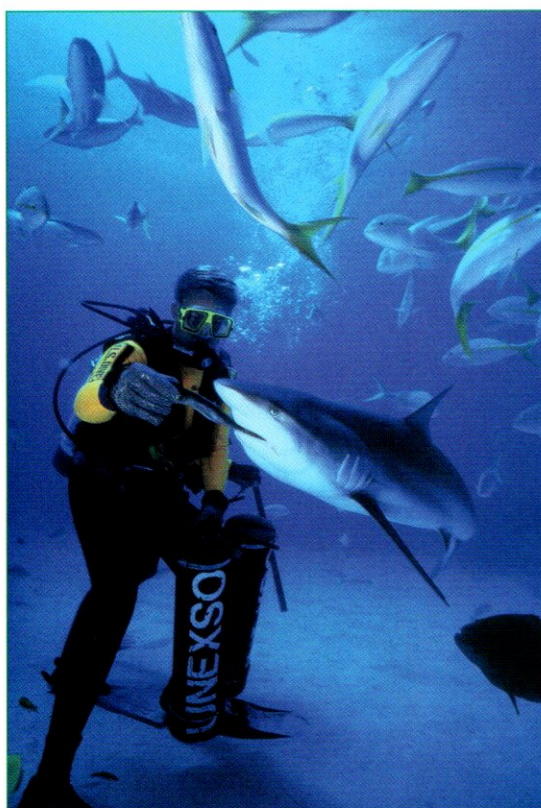
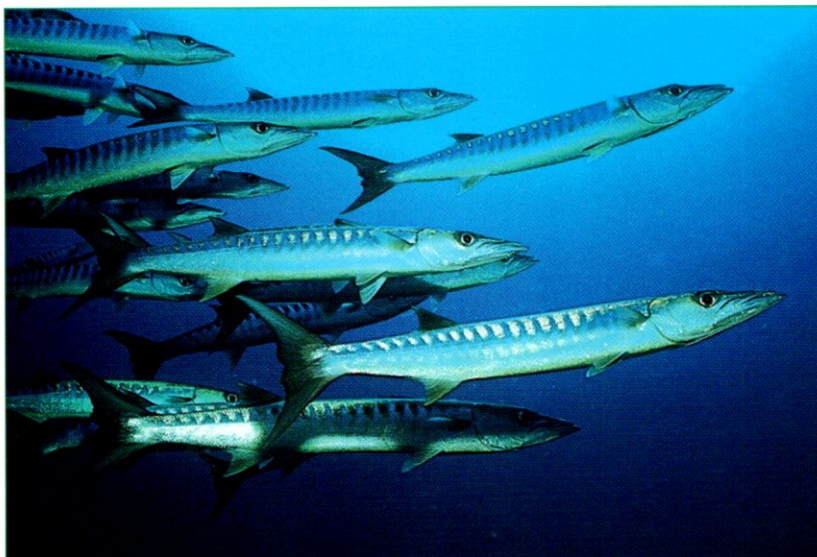
The Nikonos RS also features 5-segment matrix metering and matrix balanced fill-flash. The camera automatically determines just the right exposure,

even in difficult or rapidly changing light situations. Or switch to 75/25 center-weighted metering to emphasize a more specific area of the picture or center-weighted TTL auto flash.

DESIGNED FOR UNDERWATER

From its ergonomic design, to its durable construction, to its superb features, the Nikonos RS brings true SLR convenience to underwater photography.

Nikon Product Number:
11000 NCP



UNDERWATER TTL SYNC CORDS SC-101, SC-102 AND SC-103

Now, switching or sharing Nikonos Underwater Speedlights between cameras is easy — without surfacing. Attach the SC-103 end to each Nikonos RS or Nikonos V being used. The SC-101 is attached to any Nikonos Speedlight. Now connect or disconnect the SC-101 to the SC-103 underwater, and use one Speedlight with multiple cameras. For double Speedlight set-up, use the SC-102 in place of the SC-101.





Nikon Product Number
SC-101 UW Sync Cord:
11224 NCP

Nikon Product Number
SC-102
UW Sync Cord:
11225 NCP



Nikon Product Number
SC-103 UW Sync Cord:
11226 NCP

MC-100 REMOTE CORD



Enables remote firing of Nikonos RS. Also includes variable timer. Length 10'.

Nikon Product Number MC-100 Remote Cord:
11100 NCP

50MM F/2.8 R-UW AF MICRO-NIKKOR



The perfect lens for classic close-up fish portraits, macro photography and general photography. Automatic focusing continuously through the entire macro range up to 1:1.

Nikon Product Number:
11011 NCP

28MM F/2.8 R-UW AF NIKKOR



A great companion for any dive. Allows you to take moderately wide shots, dramatic close-ups, or anything in-between. Focus as close as 10" for a reproduction ratio of 1:6.

Nikon Product Number: 11010 NCP

20MM-35MM F/2.8 R-UW AF ZOOM NIKKOR

The world's first underwater zoom. You can't change lenses underwater, but with this popular lens you can zoom from 20mm to 35mm at the touch of a button. Crop in-camera, and capture shy subjects easily.

Nikon Product Number: 11012 NCP



DK-100 EYEPIECE

Covers the viewfinder during long time exposures preventing extraneous light from entering the camera, which could affect the exposure. Recommended for use with MC-100 Remote Cord.

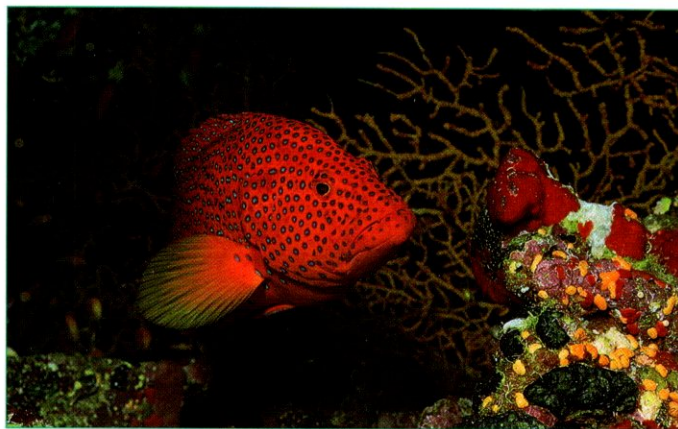
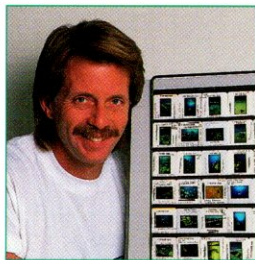
Nikon Product Number:
11105 NCP



UNDER THE SEA

"The handheld convenience of the Nikonos RS makes underwater photography much, much easier. The combination of autofocus, high-eyepoint viewfinder and Briteview focusing screen are absolutely unbeatable."

Stephen Javil



GET STARTED WITH THE NIKONOS-V SYSTEM



NIKONOS-V CAMERA

It's easy to take great pictures with this fun underwater camera. Just select your film speed, then pick a lens aperture that will provide you with the most desirable depth of field. With aperture-priority automatic exposure operation, the Nikonos-V sets the

right shutter speed for you — from 1/1000 of a second to 1/30 of a second for ambient light exposures. Also available is TTL auto-flash exposure control. Or, for greater creative control, you can opt for manual exposure. In either case, the Nikonos-V shows you

bright LED shutter speed and exposure information right inside the viewfinder.

Ergonomically designed for easy operation with diving gloves or bare hands. O-rings allow for water-tight picture-taking down to 165 feet.

Available in Orange or Green. Supplied w/rubber neck strap, spare O-ring set, and 3V lithium battery.

Nikon Product Number for Orange Nikonos-V: 10070 NCP

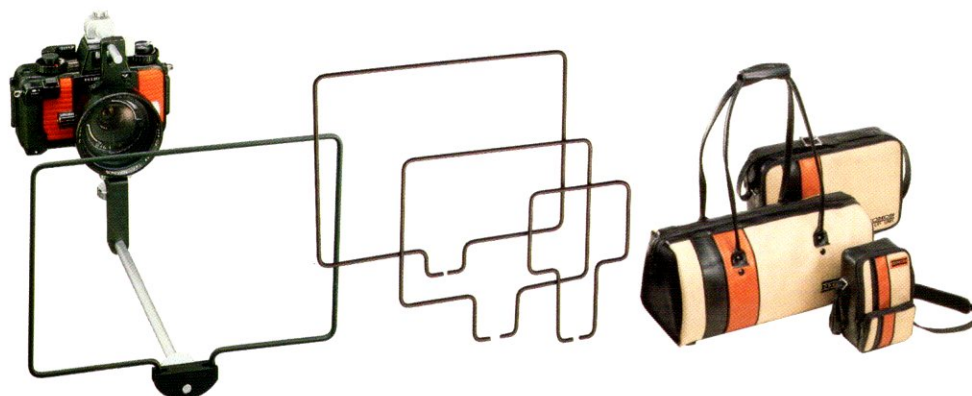
Nikon Product Number for Moss Green Nikonos-V: 10071 NCP



NIKONOS CLOSE-UP OUTFIT

Take beautiful close-ups of marine life with this comprehensive outfit. Includes a close-up attachment lens which can be mounted in front of a 28mm, 35mm, or 80mm lens (for reproduction ratios of 1:6, 1:4.5, 1:2 respectively), plus three field frames to match the area covered by these lenses. Camera-mounted frame support bracket allows you to determine precise camera-to-subject distance. Outfit comes with a handsome compartment case. (28mm, 35mm, and 80mm lenses not included).

Nikon Product Number: 10705 NCP





15MM F/2.8 UW-NIKKOR IC

1 This underwater-only, ultra-wide angle lens is ideal for capturing large scenes. Picture angle of view 94°. Close focusing to 1'. Optical underwater viewfinder DF-11. Enables automatic exposure measurement with the Nikonos-V. **Nikon Product Number: 10315 NCP**

20MM F/2.8 UW-NIKKOR IC

2 Great for up-close shooting (to 1.3') with the Nikonos-V. Underwater corrected for optimum sharpness. Underwater-only. Picture angle 78°. DF-12 available for compensating parallax. **Nikon Product Number: 10314 NCP**

28MM F/3.5 UW-NIKKOR IC

3 Wideangle lens for catching a whole school of fish in one shot with the Nikonos-V. Closest focusing distance of 2'. Underwater-only. Picture angle of 59°. Repro-ratio 1:6 with close-up outfit. DF-12 can be used with mounting mask. **Nikon Product Number: 10310 NCP**



1



2



4



5

35MM F/2.5 W-NIKKOR IC

5 35mm f/2.5 W-Nikkor IC. A useful general purpose amphibious lens for the Nikonos-V. Picture angle 43° 30' underwater (62° on land). Repro-ratio 1:4.5 with close-up outfit. This is the recommended lens for use with extension tubes for underwater macro photography. **Nikon Product Number: 10311 NCP**

80MM F/4 NIKKOR IC

4 An amphibious lens perfect for close-ups with the Nikonos Close-Up Outfit. Picture angle 22° 45' underwater (30° 20' land). Repro-ratio 1:2 with Close-up Outfit. **Nikon Product Number: 10312 NCP**

NIKON UNDERWATER SPEEDLIGHTS

SB-104 SPEEDLIGHT SET

A high-performance flash unit designed to complement the advanced features of the Nikonos RS and Nikonos V. Underwater guide number 53 at ISO 100 with 100° flash coverage. Fast recycling time of only 3 seconds. Versatile flash controls: Choose TTL Auto or Manual flash output control (full, 1/4 or 1/16 power). Flash slave capability. Supplied w/SK 104 Mounting Bracket Set, UW Sync. Cord, Spare O-ring Set. Powered by rechargeable, removable battery pack.

Nikon Product Number: 11200 NCP

SN-104 NiCad Battery Pack for SB-104

Up to 120 full power flashes. Quick recycle time of 3 seconds at full power.

Nikon Product Number: 11211 NCP

SH-104 NiCad Charger

Charges two SN-104 Battery Packs at one time. Quick charges each battery in two hours. Uses 110V or 220V 50Hz or 60Hz A.C.

Nikon Product Number: 11212 NCP



SB-103 UW TTL SPEEDLIGHT SET

A very affordable underwater flash unit designed for use with the Nikonos-V or Nikonos RS. Automatic through-the-lens (TTL) flash control for perfect exposures, including matrix-balanced fill-flash with Nikonos RS. Supplied w/MS-5 Battery Holder, SS-101, SW-103, O-ring Set, UW Sync Cord, Mounting Bracket Set; requires four 1.5V AA batteries (not included).

Nikon Product Number: 10103 NCP

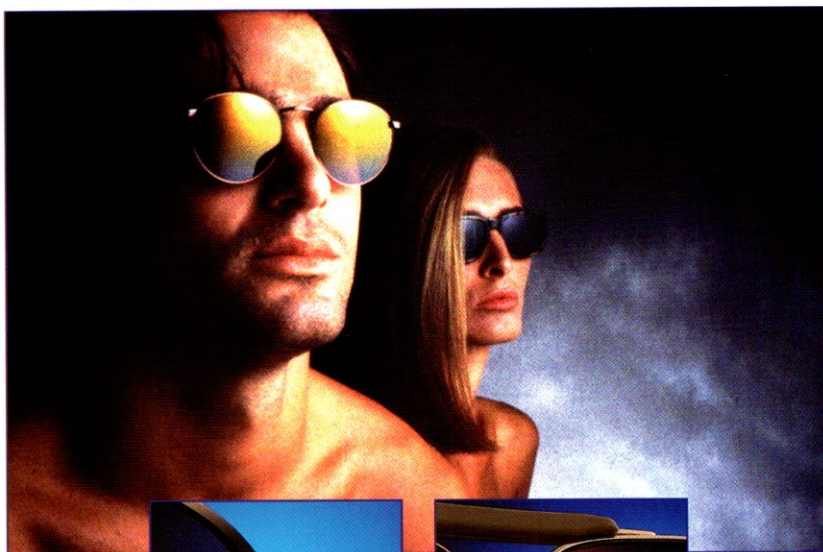


NIKON CARRIES EVEN MORE UNDERWATER PRODUCTS AND ACCESSORIES. ASK YOUR DEALER FOR COMPLETE INFORMATION OR CALL 1-800-NIKON-US.

NIKON SUNGLASSES

THE HEIGHT OF FASHION AND PERFORMANCE

You won't take photographs with anything but a Nikon camera. Why compromise when it comes to sunglasses? Nikon offers a full-line of sunglasses featuring the hottest fashions and the most advanced optics. Designed to meet the demands of outdoor enthusiasts the world over, all Nikon lenses are manufactured in our legendary glassworks. Nikon frames are manufactured to the highest optical standards and Nikon lenses provide complete protection from harmful ultraviolet light, and yet they remain comfortably lightweight. Try a pair and you'll see that there's just no substitute for Nikon quality.



MANY STYLES
FEATURE OPTICAL
SPRING HINGES FOR
COMFORT AND
DURABILITY



GIMBALED SILICON
NOSE PADS ALLOW THE
FRAME TO ADJUST TO
YOUR FACE INSTEAD
OF VICE VERSA

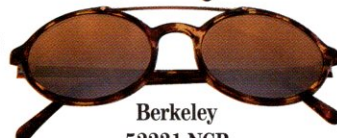
LE — PHOTOCROMIC

Here's a way to keep yourself covered from sunrise to sunset. Nikon LE sunglasses feature photochromic lenses. This means their light transmittance changes as conditions become brighter or darker. A low 12% light transmittance can be reached in a mere 45 seconds. High-contrast copper tint reduces eye fatigue, while a gradient mirror coating reflects light from the sun above. Each lens features light, tough borosilicate glass and carefully applied anti-reflective coatings. Choose polarized or non-polarized versions.

Monterey 52311 NCP



Soho 52022
NCP



Berkeley
52231 NCP

Hampton
52320 NCP

Aviator 51004 NCP



Hatteras
51220 NCP

GX — POLARIZED



Navigator
53054
NCP



Clearwater 53332 NCP

If you're tired of the sun and water playing games with your eyes, here's the solution. Nikon GX Polarized lenses virtually eliminate reflected glare. And a double-gradient mirror coating is sandwiched inside where it can never be scratched. Choose our high-contrast copper tint

that's perfect for fishing, or our true-color neutral gray tint that's ideal for water sports. Both offer Nikon anti-reflective coatings and 10% visible light transmission. These sunglasses provide maximum protection from harmful UVA and UVB rays.

CE — CONTRAST ENHANCEMENT

Can't tell a mogul from an ice patch? Put on a pair of Nikon CE lens sunglasses to see the difference. CE lenses enhance contrast so terrain variations normally lost to the human eye are readily discernable. Nikon Rose/Amber or Amber tints sharpen your visual acuity by knocking out blue

rays that prevent your eyes from focusing sharply. Anti-reflective coatings prevent light from reflecting back into your eyes, and each lens is chemically tempered to exceed both ANSI and FDA impact standards. Violet and red mirror coatings reflect intense light — look hot while you conquer the cold.

Avalanche 54252 NCP



Solitude
54350 NCP

Bristol 54341 NCP

SX — SUN EXCLUDED

Outbound
55381 NCP



Del Sol
55250 NCP



Baja
NCP55241



Boca
55281 NCP



Cortina
55370 NCP



Aviator II
55361 NCP



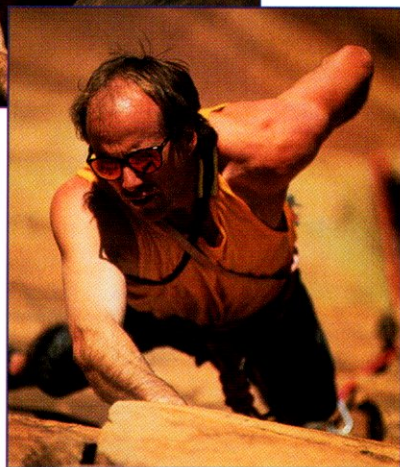
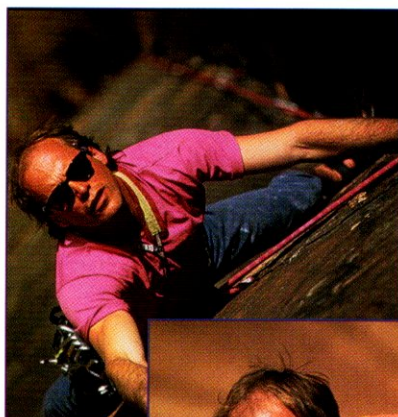
Fifties
55161 NCP



Sipping a cappuccino? Cruising in a convertible? Here are the designer styles — and protection — that fit your lifestyle. Crafted from exclusive Nikon Borosilicate glass, they're light yet chemically tempered to exceed FDA impact standards. Nikon anti-reflective coating and complete ultraviolet light protection keep the sun in its place. Choose neutral gray lenses for true color transmission, or high-contrast brown to filter out difficult-to-focus blue light. Choose new styles like Outbound, Cortina, Boca or popular Aviator, Venice, Manhattan, Baja styles and more. From classic to antique metal, set the style with Nikon.

COUNTING ON CONTRAST

When you're 300 feet up the side of a sheer rock face, there's only one thing that counts — performance. Well-known free rock climber Todd Skinner chooses Nikon CE (Contrast Enhancement) lenses to make sure he sees every hand hold and crack. "Up here or on the ground I wouldn't trust anything else. Nikon quality makes the difference."



LIVING ON THE EDGE

"Extreme Skier" Kristen Ulmer knows what combining style and performance is all about. That's why she chooses Nikon.

With Nikon sunglasses she gets the optical quality she needs,

and the style that sets her apart. "Definitely, Nikon is the only way to go. The second you put them on, everything appears clearer.

Nikon sunglasses give me the confidence I need."

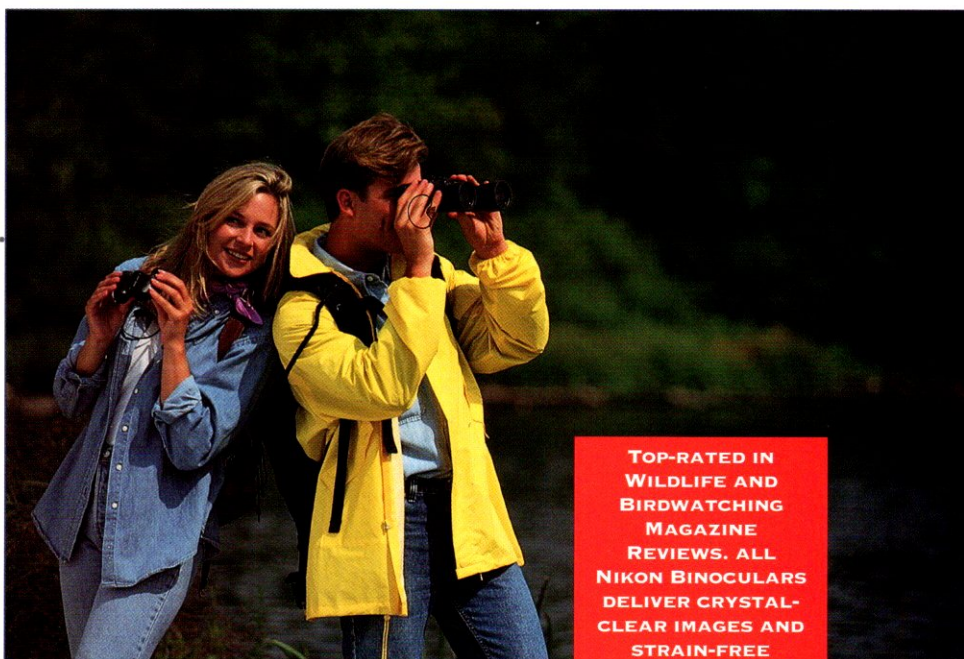


Kristen Ulmer

BINOCULARS

IT'S A BEAUTIFUL
WORLD; SEE IT
BETTER WITH NIKON

Nikon binoculars are made with precision aligned, fully-coated Nikon optics incorporating BAK 4 high-index prisms. State-of-the-art optical technology, combined with quality Nikon construction and materials, provide you with unsurpassed clarity, brightness and strain-free viewing pleasure. Try one. You'll never see things quite the same again.



TOP-RATED IN
WILDLIFE AND
BIRDWATCHING
MAGAZINE
REVIEWS. ALL
NIKON BINOCULARS
DELIVER CRYSTAL-
CLEAR IMAGES AND
STRAIN-FREE
VIEWING

STAYFOCUS PLUS® II SERIES

10 x 50 CF, 7 x 35 CF, 8 x 40 CF, 7 x 50 CF

Rugged yet lightweight, the StayFocus Plus II Series of four full-size Nikon binoculars delivers a low-light advantage, wide field of view and powerful images – all at a surprisingly

affordable price. They're ideal for spectator sports and birdwatching, especially in low-light situations. Three popular focusing modes incorporated are: **1.** Full central focus from close-up to infinity **2.** Focus lock any distance **3.** NO FOCUS setting.



Nikon Product Numbers: 10 x 50 CF 7879 NCP;
7 x 35 CF 7876 NCP; 8 x 40 CF 7878 NCP; 7 x 50 CF 7877 NCP

7-15 x 35 SCOUTMASTER ZOOM II

An ideal binocular for when you're way back in the stands, or up in the balcony, and you want a full view of the field or stage plus the ability to zoom right in for an up-close intimate view of the players.

Nikon Product Number: 7864 NCP



SPORTSTAR COMPANION SERIES

8 x 20 DCF, 10 x 25 DCF

High power in a sleek pocket-size design makes this series popular with hikers and theatergoers alike. Quality roof-prism design offers incredibly clear viewing.

Nikon Product Numbers:
8 x 20 DCF 7885 NCP;
10 x 25 DCF 7886 NCP



Nikon
Supports The
**NATIONAL
WILDLIFE FEDERATION®**
Working for the Nature of Tomorrow



THE CRITERION SERIES OF HIGH PERFORMANCE BINOCULARS

7 x 50 IF SP PROSTAR, 10 x 70 IF SP ASTROLUXE

"The connoisseur's binocular" as stated in Astronomy Magazine. Pinpoint resolution, free from coma and virtually all spherical and chromatic aberrations; multi-coated optics providing unbelievable brightness and contrast; able to clearly identify stars half to a full magnitude fainter than those visible with ordinary binoculars. Waterproof and fogproof.

Nikon Product Numbers: 7 x 50 IF SP 7789 NCP; 10 x 70 IF SP 7893 NCP



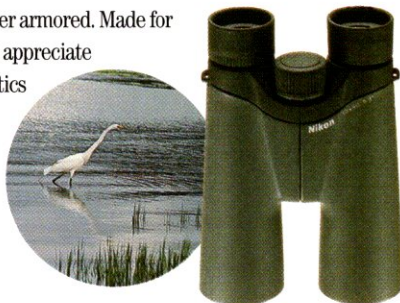
Prostar

Astroluxe

10 x 40 DCF EXECULITE II, 8 x 32 DCF EXECULITE II

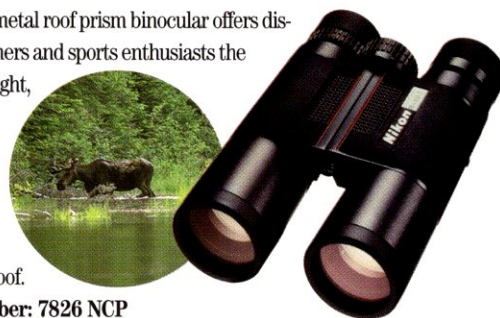
Ultra-slim, ultra-lightweight, rubber armored. Made for birdwatching or sports lovers who appreciate Nikon top-of-the-line precision optics as well as unmatched portability for a full field binocular with a low-light advantage. (8 x 32 DCF Execulite II not pictured).

Nikon Product Numbers:
10 x 40 DCF 7888 NCP;
8 x 32 DCF 7887 NCP



This streamlined, all-metal roof prism binocular offers discriminating birdwatchers and sports enthusiasts the perfect balance of weight, shape, and power. Purged of air and moisture, filled with nitrogen gas and securely sealed, it is waterproof and fog proof.

Nikon Product Number: 7826 NCP



8-16 x 40 CF ZOOM XL, 6-12 x 24 DCF LETOUR ZOOM

A super choice of Porro prism or roof prism slim line design, these are the highest quality zooms in the industry. Micro-smooth central focus and zoom controls, ultra precision lens fittings and superb optics in perfect alignment. (8-16 x 40 CF ZOOM XL not pictured).

Nikon Product Numbers:
8-16 x 40 CF 7860 NCP;
6-12 x 24 DCF 7861 NCP



TRAVELITE III COMPANION SERIES

7 x 20 CF, 8 x 23 CF, 9 x 25 CF, 10 x 25 CF

Take one look at the Travelite III Companion Series and you'll begin to see why these binoculars are so immensely popular. Take one look *through* any one of the four models in this series and you'll buy one on the spot. Travelite binoculars offer an irresistible

combination of high power, superb resolution, and a compact, lightweight design at a popular price. The 8 x 23 Travelite III is the replacement for our famous #1 consumer rated 8 x 23 Venturer with a new ergonomic shape as the only change. 10 x 25 CF not pictured.

Nikon Product Numbers: 7 x 20 CF 7880 NCP; 8 x 23 CF 7882 NCP;
9 x 25 CF 7881 NCP; 10 x 25 CF 7883 NCP



THE SEA N' SPORT SERIES. BUILT TO LAST IN THE GREAT OUTDOORS.

8 x 30 DIF TRAILBLAZER, 8 x 23 AND 10 x 25 MOUNTAINEERS

As their names suggest, these binoculars are powerful and tough. Waterproof and fog proof. Heavy-duty rubber-armored all metal construction. Extra-large central focus knob for fast focusing on the Mountaineers, (10 x 25 CF not pictured), and precise rugged individual eyepiece focusing for the Trailblazer.

Nikon Product Numbers: 8 x 30 DIF 7892 NCP; 8 x 23 CF 7846 NCP; 10 x 25 CF 7845 NCP



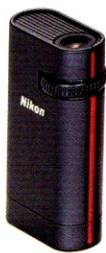
8 x 30 Trailblazer

8 x 23 Mountaineer

6x15 MONOCULAR

This ultra-compact monocular measures just 3.2" x 2.0". It's rugged, lightweight, and yet features Nikonmulticoated optics for razor-sharp images. Flip the front lens piece and the monocular becomes a handy 9x magnifier — ideal for studying fine print, maps or small objects. The 6x15 monocular is the ideal, everyday companion for everything from reading distant street signs, to examining jewelry and other small items.

Nikon Product Number: 7884 NCP



THE CRITERION E SERIES

7 x 35 E, 8 x 30 E, 10 x 35 E

Offering the power and brightness of larger binoculars, the top rated Criterion E Series binoculars feature micro-smooth-fast focusing, close-focus capability and superb edge to edge sharpness in unusually compact, lightweight bodies. (8 x 30 E, 10 x 35 E not pictured).

Nikon Product Numbers: 7 x 35 E 780 NCP; 8 x 30 E 782 NCP; 10 x 35 E 784 NCP



DIPLOMAT

8x23, 10x25



These extraordinary new Porro prism binoculars redefine the word "sharp" in a compact, portable binocular. Featuring the cutting edge technology of aspherical (AS) lenses, binoculars are rendered virtually free of distortion. You'll see edge-to-edge sharpness, with exceptionally bright images that combine high contrast with rich, true colors. The all metal body with sleek, beautiful lines and easy grip, two-tone rubber armor, makes

for excellent handling and durability. Eyeglass wearers especially will enjoy the exceptionally long eye relief for a compact. A unique diopter control lock prevents your personal diopter setting from moving unintentionally. (10 x 25 not pictured).

Nikon Product Numbers: 8 x 23 7896 NCP; 10 x 25 7897 NCP



HERE ARE THREE OF THE MOST COMMONLY ASKED QUESTIONS ABOUT BINOCULARS. THEY'LL HELP YOU DETERMINE WHICH BINOCULAR IS RIGHT FOR YOU:

Q. What do the numbers appearing on binoculars mean? For example, "7x35, 8.6".

A. The first number appearing on a binocular indicates its magnification. In this case, the "7" means that the subject will appear 7 times closer than it really is. For example, a subject that is 100 yards away, will appear to be only 14 yards away with a

"7 power" binocular. The "35" indicates the diameter in millimeters of the binocular's front (objective) lenses. With the power of the binocular as the only constant, the larger this number, the greater the ability of the binocular to gather light (important if you plan to use your binoculars in dim light). Actually, when it comes to gathering light, it's the "exit pupil" that really counts — see third question! The "8.6" indicates the binocular's "real angle of view." Angle of view is important because it translates to how much of the width of the subject can be seen at a certain distance. For example, if you were watching a soccer game or simi-

lar activity, you would want a wide angle of view to make sure you have a better chance of seeing all the action. There's a lot of terms and definitions here, but basically if you multiply the magnification (in this case, 7) by the real angle of view (8.6) you'll arrive at "apparent angle of view." Apparent angle of view is measured in degrees (in this case 60°). Smaller numbers indicate a narrow view; larger numbers indicate a wider view. If the number is greater than 60°, basically you have a wide-angle binocular.

Q. What is "diopter control" and why do you need it?

7 x 50 IF SEAFARER II

Batten down the hatches. This rugged binocular is waterproof and fogproof and features large 50mm objective lenses for maximum resolution to spot fish, shore lines, buoys and markers — even in foggy or very low light conditions. 7x power is high enough magnification to do the job, yet low enough to be manageable on a rocking boat. Rubber armor absorbs shock, and provides an easy-to-grip surface.

Nikon Product Number: 7868 NCP



THE ACTION SERIES

7 x 35 NATURALIST III, 8 x 40 EGRET, 10 x 50 LOOKOUT III

If you have an eye on your budget, but you still value Nikon quality, consider the Action Series. Depending on the model, Action Series binoculars can be used for astronomy, sports viewing, or backyard birdwatching. Quick central focusing, diopter controls, BAK 4 high index prisms and rubber coated, durable die-cast aluminum construction truly make them an incomparable buy.



Nikon Product Numbers: 7 x 35 7889 NCP; 8 x 40 7890 NCP; 10 x 50 7891 NCP

HUMAN EYE PUPIL RANGE: 2-7MM BRIGHT-DARK BINOCULAR EXIT PUPIL REQUIREMENTS				
2mm	3mm	4mm	5mm	7mm
Bright Light Use	Average Daylight		Dawn and Dusk	
8 x 20	7 x 20	8 x 30	7 x 35	7 x 50
10 x 25	9 x 25	8 x 32	8 x 40	10 x 70
	8 x 23		10 x 50	

A. Most people have one strong eye and one weak eye. Diopter control is essential to regulate this imbalance. Without it, eye-strain can result. While many fixed focus binoculars do not have diopter control, all Nikon binoculars offer this important feature. It is usually located on the right eyepiece (see binocular instruction booklet on "How to Properly Focus a Binocular.")

Q. What is "exit pupil"? Is it important?

A. Exit pupil is the size of the round, white image appearing on the eyepiece lenses of the binocular. It's very important because the larger the "exit pupil," the more light

that reaches the eye. Basically, it must equal the size of your own eye's pupil to achieve maximum brightness. The human eye pupil ranges between 2 and 7 millimeters. Therefore an exit pupil of 7 or more, is ideal for night or dim-light viewing, as well as all other light situations. However, if you plan on using your binoculars only in bright sun, an exit pupil of 2-3 might be suitable. To determine exit pupil, divide the size of the objective lens by the magnification. In our example (7x35, 8.6"), this means an exit pupil of 5 (35/7 = 5). This would be suitable for all daylight use and into early dusk or dawn lighting (see chart above!).

FIELDSCOPES AND SPOTTING SCOPES

FOR THE SERIOUS OBSERVER

Designed primarily for serious birdwatchers and nature lovers, Nikon fieldscopes and spotting scopes deliver incredible power and crisp, clear viewing. Superior optical performance coupled with traditional Nikon craftsmanship, brings you closer to nature than you ever thought possible.



60MM FIELDSCOPES II

Available in both straight and 45 degree angled eyepiece with rotatable body design, the Fieldscope II line takes fieldscope technology to a higher level. Choose ED (Extra Low Dispersion Glass) versions for superb optical performance. Choose angled versions for more comfortable viewing when standing. Nikon incorporates an advanced prism design which results in 15% less optical loss compared to many conventional angled body types. Choose eyepieces ranging in magnifications from 15x to 60x, or convenient 20-45x zoom. Add the 35mm photo attachment to turn your Nikon camera/fieldscope into an 800mm super telephoto outfit. This rugged field companion is sealed with O-rings for water resistance.

Nikon Product Numbers (body only):

Fieldscope EDII A 7839 NCP;

Fieldscope IIA 7838 NCP;

Fieldscope EDII 7895 NCP;

Fieldscope II 7894 NCP.



78MM FIELDSCOPES ED

These new fieldscopes are equipped with 78mm ED (Extra-low Dispersion) lenses. The result is extra light gathering capability as well as the ultimate in image resolution, color and contrast. Available in straight or 45-degree angled eyepiece with rotatable body, these fieldscopes offer bright, clear images at far distances, even in low light. This rugged fieldscope is sealed with O-rings for water resistance and comes with a case that doubles as a cover to protect your scope when it is mounted on a tripod. Fieldscopes ED accept all fieldscope eyepieces. Add the 35mm photo attachment to turn your Nikon camera into a 1000mm f/12.8 super-telephoto outfit.

Nikon Product Numbers (body only): 78mm Fieldscope ED 7898 NCP;

78mm ED Angled 7899 NCP.

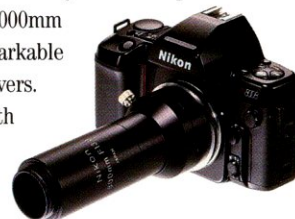


PHOTOGRAPHIC ATTACHMENT FOR FIELDSCOPES

Your Nikon camera can record what you see through your fieldscope! Simply add the Nikon Photographic Attachment and your fieldscope instantly operates as an 800mm f/13.3 lens (1000mm f/12.8 with the 78mm Fieldscope). Share remarkable images with your friends and fellow nature lovers.

Please note: this attachment is not for use with spotting scopes or other brands of cameras.

Nikon Product Number: 7770 NCP.



OPTIONAL EYEPIECES FOR FIELDSCOPES

Optional eyepieces for Nikon Fieldscopes let you choose your magnification. Please note: these eyepieces are not for use with spotting scopes.

Nikon Product Number Magnification Notes

7772 NCP 15x (19x for 78mm scope)

7943 NCP 30x Wide angle (38x for 78mm scope)

7773 NCP 30x (38x for 78mm scope)

7774 NCP 40x (50x for 78mm scope)

7775 NCP 20x (25x for 78mm scope)

7811 NCP 60x (75x for 78mm scope)

7771 NCP 20-45x (25x-56x for 78mm scope)



60MM SPOTTING SCOPES

Nikon spotting scopes furnish excellent optical quality, plus their rubber armored for superior shock resistance and reliable grip. Multi-layer lens coating improves light transmission for clear images even in low-light conditions. Choose Nikon's basic 20x spotting scope or spotting scope with 15x-45x zoom eyepiece. Also choose new angled model for excellent viewing comfort and minimum light loss due to superior Nikon prism design.

Nikon Product Numbers: 20x60 RC Spotting Scope

7834 NCP; 15-45x60 RC Spotting Scope

7835 NCP; 20x60 RC Spotting Scope

Angled 7500 NCP; 15-45x60 RC

Spotting Scope Angled 7501 NCP



NIKON — HELPING YOU TAKE THE WORLD'S GREATEST PICTURES

Nikon's dedication to the finest in photography extends far beyond its commitment to produce only the very best state-of-the-art equipment. Nikon offers you a comprehensive blend of information, training and services to sustain and advance your photographic expertise.



NIKON WORLD MAGAZINE

Published three times a year along with a calendar issue, this magazine presents the most up-to-date information on Nikon's latest products, and features a selection of Nikon photographs taken with Nikon equipment. Nikon camera purchasers can subscribe by submitting the application form packed in the camera box or calling 1-800-NIKON-US.

Subscription Rates:

One year, \$9.95;
2 years, \$17.95,
3 years, \$25.00.
Back Issues: \$3.00.

NIKON SCHOOL OF PHOTOGRAPHY

The Nikon School has become famous for its practical effectiveness in teaching 35mm photography through its traveling one day seminars.

You get clear, practical information on taking the kind of pictures you want, and doing it successfully. You'll find yourself among fellow enthusiasts who share a common goal: to explore new areas of photography and develop the skills they already possess.

Each of the Nikon Schools instructors brings a unique combination of photographic teaching and presentation skills to make learning about photography exciting. With years of photographic experience, they have assisted the top photographers in the world in creating images. Some of their photographic experience has even been out of this world since they have also trained NASA astronauts in the art of photography.

Learn about lens selection, exposure metering, composi-

tion, light – the essence of photography, electronic flash, close-up photography and more.

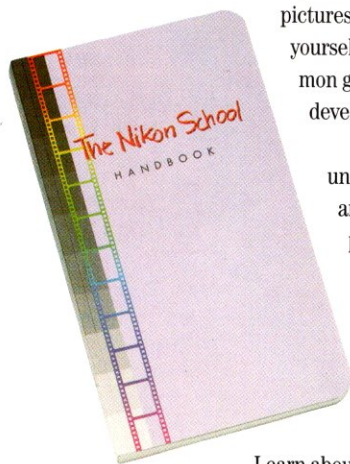
The complete Nikon School course is conducted twice in one weekend. You can attend all day Saturday, or all day Sunday from 9:00 a.m. – 5:00 p.m. Your \$80 fee includes a lunch and a special 157-page edition of The Nikon School Handbook – a \$24.95 value.

The Nikon School

Attendance is limited to the number of seats available. The earlier you enroll, the more certain you can be of getting into the session of your choice.

How to Enroll — Call 516-547-8666 to register by phone (have your Visa, MasterCard or American Express Card ready) or, write to:

The Nikon School
1300 Walt Whitman Road
Melville, New York 11747-3064



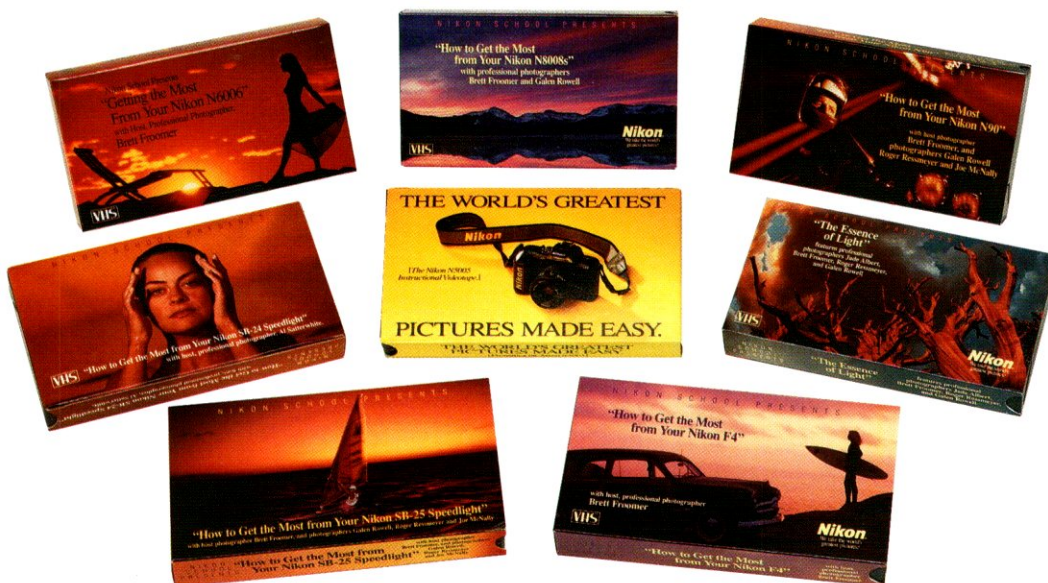
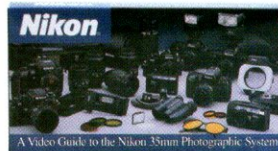
NIKON SCHOOL VIDEO LEARNING SERIES

Your instruction book is only the beginning when it comes to learning about Nikon photography. The award-winning Nikon School Video Learning Series brings professional photographers right into your living room. From cameras, to flash, to accessories, to learning the techniques the professionals know best, this intriguing series is a must for every Nikon owner. Each video is filled with actual location footage of America's most-recognized photographers: Galen Rowell, Brett Froemer, Roger Ressmeyer, Joe McNally, Al Satterwhite, Jade Albert and an array of others. Current titles include: F4, N90, N50*, N8008s, N6006, N5005, SB-24, and SB-25 Speedlight video tapes (Speedlight video tapes

come with quick-reference "Flashcards"). Series also includes "Essence of Light" and Close-up* video tapes. All Nikon School tapes are available at just \$29.95. Nikon's full-line video catalog is available for just \$7.95 to cover the cost of postage and handling. See all major Nikon cameras and equipment in action, including lenses, filters, flash and other accessories. To order any of the above video tapes call toll-free:

1-800-55-NIKON.

*Available summer 1994.



Nikon

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Advanced
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PRODUCTS
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INFORMATION
RELATING TO ALL
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FIND THE LOCATION
OF THE NIKON
DEALER NEAREST
YOU, CALL:

1-800-NIKON-US.

AF NIKKOR LENSES

Lens	Lens Construction (groups/elements)	Picture Angle	Minimum f/Stop	Closest Marked Focus Distance [Macro Setting] m (ft.)	Filter Attachment Size (mm)	Type of Lens Cap	Lens Case	Lens Hood	Weight (oz.)	Dia. x Length (extension from lens mount) (in.)	TC-201	TC-301	TC-14A	TC-14B	TC-14E	TC-20E
Zoom																
AF 24-35mm f/2.8D	11/14	94°-62°	22	0.5 (1.7)	77	Snap-on	CL-46 No.62 CP-9	HB-8	22.6	3.2 x 3.7	1	—	1	—	—	—
AF 24-50mm f/3.3-4.5	9/9	84°-46°	22	0.6 (2) [0.5 (1.6)]	62	Snap-on	CL-32S CL-17 No.62 CP-9	HB-3	13.2	2.8 x 2.9	1	—	1	—	—	—
AF 28-70mm f/3.5-4.5D	7/8	74°-34°20'	22	0.5 (2) [0.39 (1.3)]	52	Snap-on	CL-32S No.62 CP-9	HB-6	12.5	2.7 x 2.8	1	—	1	—	—	—
AF 28-85mm f/3.5-4.5	11/15	74°-28°30'	22	0.8 (3) [0.23 (0.8)]	62	Snap-on	CL-33S No.62 CP-9	HB-1	19.0	2.8 x 3.5	2	—	2	—	—	—
AF 35-70mm f/2.8D	12/15	62°-34°20'	22	0.6 (2) [0.28 (0.9)]	62	Snap-on	CL-33S No.62 CP-9	HB-1	23.8	2.8 x 3.7	1	—	1	—	—	—
AF 35-70mm f/3.3-4.5	7/8	62°-34°20'	22	0.5 (2) [0.35 (1.1)]	52	Snap-on	CL-31S No.62 CP-9	HN-2	8.5	2.6 x 2.2	1	—	1	—	—	—
AF 35-80mm f/4-5.6D	6/6	62°-30°10'	22	0.5 (2) [0.35 (1.15)]	52	Snap-on	CL-31S No.62 CP-8 CP-9	HN-2	9.0	2.6 x 2.4	1	—	1	—	—	—
AF 35-105mm f/3.5-4.5	12/16	62°-23°20'	22	1.4 (4.6) [0.28 (0.9)]	52	Snap-on	CL-33S No.62 CP-9	HB-5	18.0	2.8 x 3.4	1	—	1	—	—	—
AF 35-135mm f/3.5-4.5	12/15	62°-18°	22	1.5 (5) [0.3 (1)]	62	Snap-on	CL-41 No.63 CP-9	HB-1	24.2	2.9 x 4.3	1	—	1	—	—	—
AF 70-210mm f/4-5.6D	9/12	34°20'-11°50'	32	1.5 (5) [1.2 (3.9)]	62	Snap-on	CL-15S CL-38 No.63 CP-9	HN-24	20.8	2.9 x 4.3	1	—	1	—	—	—
AF 75-300mm f/4.5-5.6	11/13	31°40'-8°10'	32	3 (10) [1.5 (5)]	62	Snap-on	CL-36	HN-24	30.0	2.8 x 6.5	4	—	4	—	—	—
AF 80-200mm f/2.8D ED	11/16	30°10'-12°20'	22	1.8 (6) [1.5 (4.9)]	77	Snap-on	CL-43A	HB-7	45.9	3.4 x 7.4	3	—	3	1	—	—
Fisheye																
AF Fisheye 16mm f/2.8D ^{*1}	5/8	180°	22	0.25 (0.85)	Provided	Slip-on	CL-31S No.61	Built-in	10.1	2.5 x 2.2	1	—	1	—	—	—
AF Fisheye 18mm f/2.8D	10/3	100°	22	0.25 (0.85)	77	Snap-on	CL-47	HB-8	13.6	3.3 x 2.3	1	—	1	—	—	—
Wideangle																
AF 20mm f/2.8 ^{*1}	9/12	94°	22	0.25 (0.85)	62	Snap-on	CL-30S CL-37 No.61 CP-8	HB-4	9.2	2.7 x 1.7	1	—	1	—	—	—
AF 24mm f/2.8D ^{*1}	9/9	84°	22	0.3 (1)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HN-1	9.5	2.5 x 1.8	1	—	1	—	—	—
AF 28mm f/1.4D ^{*1}	8/11	74°	16	0.35 (1.15)	72	Snap-on	CL-44 No.62 CP-9	HK-7	18.3	3.0 x 3.1	1	—	1	—	—	—
AF 28mm f/2.8	5/5	74°	22	0.3 (1)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HN-2	6.9	2.5 x 1.5	1	—	1	—	—	—
AF 35mm f/2	5/6	62°	22	0.25 (0.85)	52	Snap-on	CL-30S No.61 No.62 CP-8 CP-9	HN-3	7.6	2.5 x 1.7	1	—	1	—	—	—
Normal																
AF 50mm f/1.4	6/7	46°	16	0.45 (1.5)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HR-2	9.0	2.5 x 1.7	2	—	2	—	—	—
AF 50mm f/1.8	5/6	46°	22	0.45 (1.5)	52	Snap-on	CL-30S No.61 CP-8	HR-2	5.5	2.5 x 1.5	1	—	1	—	—	—
Telephoto																
AF 85mm f/1.8	6/6	28°30'	16	0.85 (3)	62	Snap-on	CL-31S CL-15S No.62 CP-9	HN-23	14.6	2.8 x 2.3	2	—	4	—	—	—
AF 180mm f/2.8 ED-IF	6/8	13°40'	22	1.5 (5)	72	Snap-on	CL-38 No.63	Built-in	26.5	3.1 x 5.7	3	—	3	—	—	—
AF 300mm f/2.8 ED-IF ^{*2}	6/8	8°10'	22	3 (10)	39	Slip-on	CT-303	Built-in, HE-6	95.2	5.2 x 10.0	3	1	3	1	—	—
AF-I 300mm f/2.8D ED-IF ^{*2}	9/11	8°10'	22	2.5 (8.5)	39	Slip-on	CT-304	HK-19	104.1	4.9 x 9.5	—	1	—	—	1	1
AF 300mm f/4 ED-IF ^{*2}	6/8	8°10'	32	2.5 (8.5)	39	Slip-on	CL-42	Built-in	46.9	3.5 x 8.6	3	1	—	1	—	—
AF-I 400mm f/2.8D ED-IF ^{*2}	7/10	6°10'	22	3.3 (12)	52	Slip-on	CT-401	HK-20	222.2	6.2 x 14.8	—	1	—	1	1	1
AF-I 600mm f/4D ED-IF ^{*2}	7/9	4°10'	22	6 (20)	39	Slip-on	CT-604	HK-18-1, 2	213.4	6.5 x 16.4	—	1	—	1	1	1
Special Purpose																
AF Micro 60mm f/2.8D ^{*1}	7/8	39°40'	32	0.219 (8.75 in.)	62	Snap-on	CL-32S No.62 CP-9	HN-22	16.0	2.8 x 2.9	2	—	2	—	—	—
AF Micro 105mm f/2.8D ^{*1}	8/9	23°20'	32	0.314 (1)	52	Snap-on	CL-15S CL-38 No.63 CP-9	HS-7	19.6	3 x 4.2	4	—	—	—	—	—
AF DC 105mm f/2D	6/6	23°20'	16	0.9 (3)	72	Snap-on	CL-38 No.63 CP-9	Built-in	21.9	3.0 x 4.1	—	—	—	—	—	—
AF DC 135mm f/2	6/7	18°	16	1.1 (4)	72	Snap-on	CL-38 No.63 CP-9	Built-in	30.7	3.1 x 4.7	—	—	—	1	—	—
AF Micro 200mm f/4D ED-IF	8/13	12° 20'	32	.5(1.7)	62	Snap-on	CL-45	HN-30	42.30	3 x 7.7	—	—	—	—	—	—
AF-I Teleconverters																
TC-14E	5/5	—	—	—	—	—	CL-30S No.61	—	7.1	2.6 x 1.0	—	—	—	—	—	—
TC-20E ^{*3}	6/7	—	—	—	—	—	CL-31S No.62	—	12.0	2.6 x 2.2	—	—	—	—	—	—

^{*1} Features Close-Range Correction (CRC) system.

^{*2} Tripod mounting collar is provided.

^{*3} Autofocusing is possible only with an AF-I Nikkor lens having a maximum aperture of f/2.8 or faster.

1-Usable.

2-When used at smaller aperture than f/11 with high shutter speeds, there is occasional uneven exposure.

3-Usable, but there is occasional vignetting.

4-There is occasional vignetting. And when used at smaller aperture than f/11 with high shutter speeds, there is occasional uneven exposure.

— Not usable.

Note: Contact your authorized Nikon dealer concerning the availability of these and other Nikkor lenses.

MANUAL-FOCUS NIKKOR LENSES

Lens	Lens Construction (groups/elements)	Picture Angle	Minimum f/Stop	Closest Marked Focus Distance (Macro Setting) m (ft.)	Filter Attachment Size (mm)	Type of Lens Cap	Lens Case	Lens Hood	Weight (oz.)	Dia. x Length (extension from lens mount) (in.)	TC-201	TC-301	TC-14A	TC-14B
Fisheye														
6mm f/2.8 ^{*3}	9/12	220°	22	0.25 (0.9)	Built-in	Slip-on	Trunk case	—	183.4	9.3 x 6.3	1	—	1	—
8mm f/2.8	8/10	180°	22	0.3 (1)	Built-in	Screw-in	CL-11 CL-17 No.63	—	38.8	4.8 x 5.0	1	—	1	—
16mm f/2.8	5/8	180°	22	0.3 (1)	Provided	Slip-on	CL-30S CL-31S No.61 CP-8	Built-in	11.6	2.5 x 2.2	1	—	1	—
Wideangle														
13mm f/5.6 ^{*1, *3}	12/16	118°	22	0.3 (1)	Provided	Slip-on	CL-14	Built-in	42.3	4.5 x 3.5	1	—	1	—
15mm f/3.5 ^{*1}	11/14	110°	22	0.3 (1)	Provided	Slip-on	CL-17	Built-in	22.2	3.5 x 3.3	1	—	1	—
18mm f/3.5 ^{*1}	10/11	100°	22	0.25 (0.85)	72	Snap-on	CL-34A CL-37 CP-9 No.62	HK-9	12.3	3.0 x 2.4	1	—	3	—
20mm f/2.8 ^{*1}	9/12	94°	22	0.25 (0.85)	62	Snap-on	CL-30S No.61 CP-8	HK-14	9.2	2.6 x 1.7	1	—	1	—
24mm f/2 ^{*1}	10/11	84°	22	0.3 (1)	52	Snap-on	CL-31S CL-34A No.61 CP-8	HK-2	10.6	2.5 x 2.0	1	—	1	—
24mm f/2.8 ^{*1}	9/9	84°	22	0.3 (1)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HN-1	8.8	2.5 x 1.8	1	—	1	—
28mm f/2 ^{*1}	8/9	74°	22	0.25 (0.9)	52	Snap-on	CL-31S CL-32S No.62 CP-9	HN-1	12.7	2.5 x 2.3	1	—	1	—
28mm f/2.8 ^{*1}	8/8	74°	22	0.2 (0.7)	52	Snap-on	CL-30S CL-34A No.61 No.62 CP-8	HN-2	8.8	2.5 x 1.8	1	—	1	—
35mm f/1.4 ^{*1}	7/9	62°	16	0.3 (1)	52	Snap-on	CL-31S CL-32S No.62 CP-9	HN-3	14.1	2.7 x 2.4	2	—	2	—
35mm f/2	6/8	62°	22	0.3 (1)	52	Snap-on	CL-31S CL-32S No.61 No.62 CP-8 CP-9 CL-30S CL-34A No.61 CP-8 CP-9	HN-3	9.9	2.5 x 2.0	1	—	1	—
35mm f/2.8	5/5	62°	22	0.3 (1)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HN-3	11.3	2.4 x 2.4	1	—	1	—
Normal														
50mm f/1.2	6/7	46°	16	0.5 (1.7)	52	Snap-on	CL-30S CL-34A No.61 CP-8	HS-12, HR-2	13.4	2.7 x 1.9	1	—	1	—
50mm f/1.4	6/7	46°	16	0.45 (1.5)	52	Snap-on	CL-30S No.61 CP-8	HS-9, HR-1	8.8	2.5 x 1.6	2	—	2	—
50mm f/1.8	5/6	46°	22	0.6 (2)	52	Snap-on	CL-34A CP-9	HR-4, HS-11	5.1	2.5 x 1.1	1	—	1	—
Telephoto														
85mm f/1.4 ^{*1}	5/7	28°30'	16	0.85 (3)	72	Snap-on	CL-30S CL-31S No.61 No.62 CP-8 CP-9	HN-20	21.9	3.2 x 2.5	2	—	2	—
85mm f/2	5/5	28°30'	22	0.85 (3)	52	Snap-on	CL-15S CL-17 No.62 CP-9 CL-32S No.62 CP-9	HS-10	10.9	2.5 x 2.1	1	—	1	—
105mm f/1.8	5/5	23°20'	22	1 (3.5)	62	Snap-on	CL-15S CP-9	Built-in	20.5	3.1 x 3.2	2	—	2	—
105mm f/2.5	4/5	23°20'	22	1 (3.5)	52	Snap-on	CL-32S No.62 CP-9	Built-in	15.3	2.5 x 2.7	1	—	3	—
135mm f/2	4/6	18°	22	1.3 (4.5)	72	Snap-on	CL-35A CL-38 No.63	Built-in	30.3	3.2 x 3.7	2	—	2	—
135mm f/2.8	4/5	18°	32	1.3 (4.5)	52	Snap-on	CT-200	Built-in	15.3	2.5 x 3.3	3	—	1	1
180mm f/2.8 ED	5/5	13°40'	32	1.8 (6)	72	Snap-on	CL-13A No.63 CP-9	Built-in	28.2	3.1 x 5.1	2	—	2	—
200mm f/2 ED-IF ^{*2}	8/10	12°20'	22	2.5 (9)	Gelatin filter	Slip-on	CT-302 No.58 No.59	Built-in, HE-4	89.9	5.2 x 8.9	2	—	4	2
200mm f/4	5/5	12°20'	32	2 (7)	52	Snap-on	CL-20A	Built-in	18.0	2.6 x 4.6	3	—	1	—
300mm f/2.8 ED-IF ^{*2}	6/8	8°10'	22	3 (10)	39	Slip-on	CL-20A	Built-in, HE-4	84.7	5.2 x 10.0	3	1	3	1
300mm f/4.5 ^{*2}	5/6	8°10'	32	3.5 (12)	72	Snap-on	CT-400 No.59	Built-in	42.3	3.1 x 7.6	—	1	3	1
300mm f/4.5 ED-IF ^{*2}	6/7	8°10'	32	2.5 (10)	72	Snap-on	CL-61A No.58	Built-in	37.4	3.1 x 7.6	—	1	—	1
400mm f/2.8 ED-IF ^{*2}	6/8	6°10'	22	4 (15)	52	Slip-on	CL-27A	Built-in, HE-3	181.7	6.4 x 14.9	4	2	—	2
400mm f/3.5 ED-IF ^{*2}	6/8	6°10'	22	4.5 (15)	122/39 ^{*6}	Slip-on	CT-500 No.59	Built-in	98.8	5.3 x 11.7	—	1	3	1
400mm f/5.6 ED-IF ^{*2}	6/7	6°10'	32	4 (15)	72	Snap-on	CT-602	Built-in	42.3	3.3 x 10.0	—	1	—	1
500mm f/4 P ED-IF ^{*2}	6/8	5°	22	5 (20)	39	Slip-on	CT-603 No.59	HK-17	105.8	5.4 x 15.1	—	1	—	1
600mm f/4 ED-IF ^{*2}	6/8	4°10'	22	6.5 (25)	39	Slip-on	CT-800	Built-in, HE-5	199.3	6.8 x 18.3	—	1	—	1
600mm f/5.6 ED-IF ^{*2}	6/7	4°10'	32	5 (20)	39	Slip-on	—	Built-in, HE-4	98.8	5.2 x 15.3	—	1	—	1
800mm f/5.6 ED-IF ^{*2}	6/8	3°	32	8 (30)	52	Slip-on	CL-39	Built-in, HE-3	192.2	6.4 x 21.5	—	2	—	2
Reflex														
500mm f/8 ^{*2}	6/6	5°	—	1.5 (5)	82/39 ^{*6}	Slip-on	Trunk case	HN-27	29.6	3.5 x 4.3	—	—	3	5
1000mm f/11 ^{*2}	5/5	2°30'	—	8 (25)	39	Screw-in	—	Built-in	67.0	4.7 x 9.2	5	5	—	5
2000mm f/11	5/5	1°10'	—	18 (60)	Built-in	—	—	—	617.3	10.3 x 23.4	1	1	—	1

^{*1} Features Close-Range Correction (CRC) system.

^{*2} Tripod mounting collar is provided.

^{*3} Manufactured upon receipt of order.

^{*4} Power is supplied only by an AC Power Unit LA-2 or a DC Power Unit LD-2 (both optional).

^{*5} Manual type diaphragm with preset ring.

^{*6} Front filter / rear filter.

^{*7} With a PN-11 ring.

1—Usable.

2—When used at smaller aperture than f/11 with high shutter speeds, there is occasional uneven exposure.

3—Usable, but there is occasional vignetting.

4—There is occasional vignetting. And when used at smaller aperture than f/11 with high shutter speeds, there is occasional uneven exposure.

5—Usable, if the rear screw-in filter is removed.

— Not usable.

Note: Contact your authorized Nikon dealer concerning the availability of these and other Nikkor lenses.

MANUAL-FOCUS NIKKOR LENSES

Lens	Lens Construction (groups/elements)	Picture Angle	Minimum f/ Stop	Closest Marked Focus Distance [Macro Setting] m (ft.)	Filter Attachment Size (mm)	Type of Lens Cap	Lens Case	Lens Hood	Weight (oz.)	Dia. x Length (extension from lens mount) (in.)	TC-201	TC-301	TC-14A	TC-14B
Zoom														
28-85mm f/3.5-4.5	11/15	74°-28°30'	22	0.8 (3) [0.23 (0.8)]	62	Snap-on	CL-33S No.62 CP-9	HK-16	18.0	2.6 x 3.5	1	—	1	—
35-70mm f/3.3-4.5	7/8	62°-34°20'	22	0.5 (2) [0.35 (1)]	52	Snap-on	CL-31S CL-32S No.62 CP-9	HN-2	9.0	2.5 x 2.4	1	—	1	—
35-105mm f/3.5-4.5	12/16	62°-23°20'	22	1.4 (5) [0.27 (0.9)]	52	Snap-on	CL-33S No.63 CP-9	HK-11	18.0	2.5 x 3.4	1	—	1	—
35-135mm f/3.5-4.5	14/15	62°-18°	22	1.5 (5) [0.4 (1.4)]	62	Snap-on	CL-15S No.63 CP-9	HN-22	21.2	2.7 x 4.1	1	—	1	—
35-200mm f/3.5-4.5	13/17	62°-12°20'	22	1.6 (5.5) [0.3 (1)]	62	Snap-on	CL-13A No.63 CP-9	HK-15	26.1	2.8 x 4.7	3	—	—	—
80-200mm f/4	9/13	30°10'-12°20'	32	1.2 (4)	62	Snap-on	CL-35A CL-36 No.63	HN-23	28.6	2.9 x 6.1	1	—	3	—
50-300mm f/4.5 ED*2	11/15	46°-8°10'	32	2.5 (8.5)	95	Screw-in	CL-64 CE-2	HK-5	68.8	3.9 x 9.4	1	—	1	—
100-300mm f/5.6	10/14	24°20'-8°10'	32	2 (7) [0.71 (2.3)]	62	Snap-on	CL-40	HN-24	32.8	2.9 x 7.8	3	—	3	1
180-600mm f/8 ED*2, *3	11/18	13°40'-4°10'	32	2.5 (8.5)	95	Screw-in	CZ-1860	HN-16	127.0	4.1 x 15.6	—	1	—	1
1200-1700mm f/5.6-8 P ED-IF*3	13/18	2°-1°30'	22	10 (35)	52	Slip-on	CT-1217	Built-in	564.4	9.3 x 34.6	—	—	—	—
Special Purpose														
PC 28mm f/3.5*5	8/9	74°	22	0.3 (1)	72	Snap-on	CL-34A No.62 CP-9	HN-9	13.4	3.1 x 2.5	—	—	—	—
PC 35mm f/2.8*5	7/7	62°	32	0.3 (1)	52	Snap-on	CL-34A No.62 CP-9	HN-1	11.3	2.4 x 2.4	—	—	—	—
Noct 58mm f/1.2	6/7	40°50'	16	0.5 (1.7)	52	Snap-on	CL-34A No.61 CP-8	HS-7, HR-2	16.4	2.9 x 2.0	2	—	2	—
Micro 200mm f/4 IF	6/9	12°20'	32	0.71 (2.34)	52	Snap-on	CL-36	Built-in	28.2	2.6 x 6.8	—	1	1	1
Medical 120mm f/4 IF*4	6/9	18°50' (1/11x)	32	0.35 (1.1)	49	Slip-on	Leatherette compartment case	—	31.4	3.9 x 5.6	—	—	—	—
UV 105mm f/4.5	6/6	23°20'	32	0.48 (1.57)	52	Snap-on	CL-15S CL-35A*7 CL-41 No.63 CP-9	—	18.2	2.7 x 4.3	—	—	—	—
Teleconverters														
TC-201	5/7	—	—	—	—	—	CL-30S No.61 CP-8 CP-9	—	8.1	2.5 x 1.7	—	—	—	—
TC-301	5/5	—	—	—	—	—	CL-33S No.62 CP-9	—	9.9	2.5 x 3.3	—	—	—	—
TC-14A	5/5	—	—	—	—	—	No.61 CP-8 CP-9	—	5.1	2.6 x 0.7	—	—	—	—
TC-14B	5/5	—	—	—	—	—	No.61 CP-8 CP-9	—	5.8	2.6 x 0.9	—	—	—	—
Photographic Attachment	3/5	—	—	—	—	—	No.61	—	7.1	2.6 x 2.2	—	—	—	—

COMPATIBLE NIKKOR LENSES WITH BUILT-IN FLASH OF THE N6006 AND N5005

Usable non-zoom lenses

28mm to 300mm lenses except AF Nikkor 300mm f/2.8 ED-IF, Nikkor 200mm f/2 ED-IF and Nikkor 300mm f/2.8 ED-IF

Usable zoom lenses

AF 24-50mm f/3.3-4.5*1; AF 28-70mm f/3.5-4.5D*2; AF 28-85mm f/3.5-4.5*3; AF 35-70mm f/2.8D*4; AF 35-70mm f/3.3-4.5; AF 35-105mm f/3.5-4.5; AF 35-135mm f/3.5-4.5*5; AF 70-210mm f/4-5.6D; AF 75-300mm f/4.5-5.6; AF 80-200mm f/2.8D ED*6; 28-85mm f/3.5-4.5*3; 35-70mm f/3.3-4.5; 35-105mm f/3.5-4.5; 35-135mm f/3.5-4.5*5; 35-200mm f/3.5-4.5*4; 80-200mm f/4; 100-300mm f/5.6

- Zoom lenses cannot be used for macro focusing
- Do not use a lens hood; it could cause slight vignetting
- N5005 is compatible with AF Nikkor lenses only

- *1 Cannot be used at a focal length shorter than 28mm, or when shooting a subject within 1m (3.3 ft.) at 28mm focal length
- *2 Cannot be used when shooting a subject within 1m (3.3 ft.) at a focal length shorter than 35mm
- *3 Cannot be used at a focal length shorter than 35mm, or when shooting a subject within 2m (6.6 ft.) at 35mm focal length
- *4 Cannot be used at a focal length shorter than 50mm
- *5 Cannot be used when shooting a subject within 2m (6.6 ft.) at 35mm focal length
- *6 Cannot be used when shooting a subject within 2m (6.6 ft.) at 80mm focal length

Note: Contact your authorized Nikon dealer concerning the availability of these and other Nikkor lenses.

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Note: AA Zinc Carbon Batteries (1.5V each) may be used instead of AA Alkaline in the above listing. Also, in many applications NiCad rechargers can be used.

Specifications subject to change without notice.

Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #	
Binoculars			CF-39L	4357 NAS	49	MC-26 Adapter Cord	4656NAS	64	Eye-piece Accessories			
6-12x24 DCF LeTour Zoom	7861 NCP	80	CF-40	4591 NAS	49	Modulite Remote Control Bracket	4648 NCP	64	Eye-piece Adapter DK-7 for F4S, F90, N8008S, F3HP (with DE-3 high-eyepoint finder), F3T	2394 NAS	48	
6x15 Monocular	7884 NCP	81	CF-41	4593 NAS	49	Modulite Remote Control Set ML-2	4641 NCP	64	Eye-piece Adapter for N6006/N6000, N5005, N2000	2370 NCP	48	
7-15x35 Scoutmaster Zoom II	7864 NCP	79	CF-42	4594 NAS	49	Motor Drive Holder PH-4	2758 NAS	63	Eye-piece Magnifier DG-2	2355 NCP	48	
7x20 CF Travelite III Companion	7880 NCP	80	CF-43	4595 NAS	49	Motor Remote Cord with Banana Plug MC-4A (3')	4583 NCP	64	Right Angle Finder DR-3	2326 NCP	48	
7x35 CF Stayfocus Plus II	7876 NCP	79	CF-45	4350 NCP	49	Motor Remote Trigger Cord MC-12A (10')	131 NCP	64	Rubber Eyecup DK-2 for F4S, F3HP/F3T	2406 NAS	48	
7x35 E Criterion	780 NCP	81	CF-46	4351 NCP	49	Motor Remote Trigger Cord MC-12A (10')	4586 NCP	64	Rubber Eyecup DK-3 for FM2, FE2, FA	2362 NCP	48	
7x35 Naturalist III	7889 NCP	81	CF-47	4358 NCP	49	Panorama Head AP-2	2028 NCP	65	Rubber Eyecup DK-6 for N90, N8008S	2393 NAS	48	
7x50 CF Stayfocus Plus II	7877 NCP	79	CF-48A	4360 NCP	49	Repro Copy Outfit PF-4	2757 NAS	62	Rubber Eyecup for N6006/N6000/N5005	2939 NCP	48	
7x50 IF SP Prostar	7789 NCP	80	CF-49	4363 NCP	49	Slide Copy Adapter ES-1	3213 NAS	63				
7x50 Seafarer II	7868 NCP	81	CF-50	4364 NCP	49	Slide Copying Adapter PS-6	2661 NAS	62				
8-16x40 CF Zoom XL	7861 NCP	80	CS-7	422 NCP	49	Soft Shutter Release AR-9	4417 NCP	65				
8x20 Sportstar Companion	7885 NCP	79	CS-8	425 NCP	49	Table Clamp PC-3	2753 NAS	63				
8x23 CF Travelite III Companion	7882 NCP	80	CS-9	426 NCP	49	Tripod Adapter Plate	2759 NAS	63				
8x23 CF Sea N' Sport	7846 NCP	80	CS-10	427 NCP	49	Wireless Radio Remote Control Set MW-2	141 NCP	64	Eye-piece Correction Lenses			
8x23 Diplomat	7896 NCP	81	CS-13	4484 NCP	49	Wireless Radio Remote Control Set MW-2 Receiver (repl)	142 NCP	64	Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 +0.5	2922 NAS	48	
8x30 E Criterion	782 NCP	81	CS-15	4414 NAS	49	Wireless Radio Remote Control Set MW-2 Transmitter (repl)	143 NCP	64	Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 +1.0	2919 NAS	48	
8x30 DIF Sea N' Sport	7892 NCP	80	CS-16	4415 NCP	49	Coolscan 35mm Film Scanner	4649 NAS	14	Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 +2.0	2920 NAS	48	
8x32 DCF Execulite II	7887 NCP	80	CS-17	4136 NCP	49	Data Link			Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 +3.0	2921 NAS	48	
8x40 CF Stayfocus Plus II	7878 NCP	79	CS-18	4137 NCP	49				Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 -2.0	2915 NAS	48	
8x40 DCF Classic Eagle	7826 NCP	80	CS-19	4138 NCP	49				Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 -3.0	2916 NAS	48	
8x40 Egret	7890 NCP	81	CS-20	4139 NCP	49				Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 4.0	2917 NAS	48	
9x25 CF Travelite III Companion	7881 NCP	80	Camera Neckstraps	AH-4	65				Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 -5.0	2918 NAS	48	
10x25 CF Sea N' Sport	7845 NCP	80	AN-1	649 NAS	65				Eye-piece Correction Lens F3 (w/DE-2) F3AF, F2 "0"	2914 NAS	48	
10x25 Sportstar Companion	7886 NCP	79	AN-4B	635 NCP	65				Eye-piece Correction Lens F4s, F3HP/F3 +1.0	2951 NAS	48	
10x25 CF Travelite III Companion	7883 NCP	80	AN-4Y	639 NCP	65				Eye-piece Correction Lens F4s, F3HP/F3 +2.0	2952 NAS	48	
10x25 Diplomat	7897 NCP	81	AN-6W	638 NCP	65	EL-Nikkor Enlarging Lenses			Eye-piece Correction Lens F4s, F3HP/F3 -2.0	2953 NAS	48	
10x35 E Criterion	784 NCP	81	AN-6Y	4508 NCP	65	EL-Nikkor 40mm f/2.8	209 NCP	52	Eye-piece Correction Lens F4s, F3HP/F3 -3.0	2954 NAS	48	
10x40 DCF Execulite II	7888 NCP	80	NS-1	507 NCP	65	EL-Nikkor 50mm f/2.8	210 NCP	52	Eye-piece Correction Lens F4s, F3HP/F3 "0"	2950 NAS	48	
10x50 CF Stayfocus Plus II	7879 NCP	79	NS-3	673 NCP	65	EL-Nikkor 63mm f/2.8	211 NCP	52	Eye-piece Correction Lens FM2/FE2/FA +0.5	2931 NCP	48	
10x50 Lookout III	7891 NCP	81	NS-4	5203 NCP	65	EL-Nikkor 75mm f/5.6	224 NCP	52	Eye-piece Correction Lens FM2/FE2/FA +1.0	2932 NCP	48	
10x70 IF SP Astroluxe	7893 NCP	80	NS-5	5204 NCP	65	EL-Nikkor 80mm f/5.6	212 NCP	52	Eye-piece Correction Lens FM2/FE2/FA +2.0	2933 NCP	48	
				5205 NCP	65	EL-Nikkor 105mm f/5.6	213 NCP	52	Eye-piece Correction Lens FM2/FE2/FA +3.0	2934 NCP	48	
			Close-up Equipment and Accessories	18" Grey Card for PF-4	2754 NAS	63	EL-Nikkor 135mm f/5.6	251 NAS	52	Eye-piece Correction Lens FM2/FE2/FA -3.0	2936 NCP	48
Cameras				AH-3 Tripod Mounting Adapter	4580 NCP	64	EL-Nikkor 150mm f/5.6	252 NAS	52	Eye-piece Correction Lens FM2/FE2/FA -4.0	2937 NCP	48
35Ti Quartz Date	9630 NAS	27-28		Anti-Cold Battery Packs DB-2 for F Series, FM2N	3062 NCP	65	EL-Nikkor 180mm f/5.6	253 NAS	52	Eye-piece Correction Lens FM2/FE2/FA -5.0	2938 NCP	48
F3HP	1691 NAS	9		Anti-Cold Battery Packs DB-5 for N8008S	3068 NCP	65	EL-Nikkor 210mm f/5.6	254 NAS	52	Eye-piece Correction Lens FM2/FE2/FA "0"	2930 NCP	48
F3T	1694 NAS	9		AR-7	668 NAS	63	EL-Nikkor 240mm f/5.6	255 NAS	52	Eye-piece Correction Lens N90/N8008S +0.5	2961 NAS	48
F4S	1791 NAS	4		AR-10 for MD Terminal	2670 NAS	63	EL-Nikkor 300mm f/5.6	256 NAS	52	Eye-piece Correction Lens N90/N8008S +1.0	2962 NAS	48
FM2N (Black Finish)	1684 NCP	25-26		Bellows Focusing Unit PB-6	2660 NAS	62	EL-Nikkor 360mm f/5.6	95104 NAS	52			
FM2N (Chrome Finish)	1683 NCP	25-26		Bellows/Rail Spacer PB-6D	2664 NAS	63						
FM2T Titanium Body	1685 NCP	26		Cable Release AR-3	664 NCP	64	Accessories for EL-Nikkor Enlarging Lenses					
N50	1710 NCP	23		Cable Release AR-4	2636 NAS	63	34.5mm Snap-on Lens Cap f/EL-Nikkor (repl)	574 NCP	52			
N5005	1780 NAS	23-24		Cable Release AR-7	668 NAS	64	39mm Lens Mounting Flange f/EL-Nikkor	96925 NCP	52			
N6000	1775 NCP	21-22		Cable Release AR-10	2670 NAS	64	40.5mm Snap-on Lens Cap f/EL-Nikkor	577 NCP	52			
N6006	1770 NCP	20, 22		Cable Release Adapter AR-8	669 NCP	65	3mm Snap-on Lens Cap f/EL-Nikkor	576 NCP	52			
N8008s 19	1765 NAS	17-18,		Extension Bellows PB-6E	2663 NAS	62	Extension Mounting Tube f/EL-Nikkor (15mm)	2642 NCP				
N90	1769 NAS	13, 16		Extension Ring PK-11A (8mm)	2656 NCP	62	Lens Mounting Adapter f/50mm EL-Nikkor	2655 NCP	52			
Camera Cases				Extension Ring PK-12A (14mm)	2652 NCP	62	Plastic Case f/50mm EL-Nikkor (repl)	461 NCP	52			
CF-21A	4410 NAS	49		Extension Ring PK-13A (27.5mm)	2653 NCP	61, 62	Reverse Mounting Ring f/50, 63mm N EL-Nikkor	2641 NCP	52			
CF-22	4422 NAS	49		Focusing Stage PG-2	2758 NCP	62	Reverse Mounting Ring f/50, 75, 80mm N EL-Nikkor	2640 NCP	52			
CF-27	4427 NCP	49		Intervalometer MT-2	128 NCP	64	Reverse Mounting Ring f/135, 150mm N EL-Nikkor	2654 NCP	52			
CF-28	4428 NCP	49		Lens Reversing Ring BR-2A	2657 NCP	62						
CF-28A	4431 NCP	49		Lens Reversing Ring BR-3	2629 NCP	62						
CF-29	4429 NCP	49		Lens Reversing Ring BR-5	2631 NCP	62						
CF-34	4434 NCP	49		Lens Reversing Ring BR-6	2658 NAS	62						
CF-37L/CF-37LQD	4355 NCP	49		Macro Conv Stand PB-6M	2662 NAS	62						
CF-38LA	4356 NCP	49										

Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #
Eyeiece Correction Lens N90/N8008S +2.0	2963 NAS	48	Filter Accessories			Type G2 Focusing Screen (wide angle F4S)	2515 NAS	48	90mm Slip-on Front Lens Cap for 15mm f3.5	584 NAS	45
Eyeiece Correction Lens N90/N8008S +3.0	2964 NAS	48	95mm Fitted case for all 95mm Filters	2298 NAS	47	Type G3 Focusing Screen (F3HP/F3/T)	2559 NAS	48	95mm Screw-in Front Lens Cap for 50-300mm f4.5	626 NAS	45
Eyeiece Correction Lens N90/N8008S -2.0	2965 NAS	48	122mm Fitted case for all 122mm Filters	2299 NAS	47	Type G3 Focusing Screen (F4S)	2516 NAS	48	122mm Screw-in Front Lens Cap	621 NAS	45
Eyeiece Correction Lens N90/N8008S -3.0	2966 NAS	48	AF-1 52mm Gelatin Filter Holder	2278 NAS	47	Type G4 Focusing Screen (F3HP/F3/T)	2560 NAS	48	BF-1A Lens Mount Cap for SLR Camera	612 NCP	45
Eyeiece Correction Lens N90/N8008S -4.0	2967 NAS	48	AF-2 72mm Gelatin Filter Holder (with hood)	2279 NAS	47	Type G4 Focusing Screen (F4S) NAS	2561 NAS	48	BF-2 Front Mount Cap for TC-2, 300, 301	598 NAS	45
Eyeiece Correction Lens N90/N8008S -5.0	2968 NAS	48	CA-1 Filter Pouch for all 52mm Filters	2307 NCP	47	Type H1 (F3HP/F3/T)	2562 NAS	48	BF-3 Front Mount Cap for TC-14, 14B, 14E, 20E	611 NAS	45
Eyeiece Correction Lens N90/N8008S "0"	2960 NAS	48	CA-2 Filter Pouch for all 39mm Filters	2305 NAS	47	Type H2 (F3HP/F3/T)	2563 NAS	48	Front Lens Cover for 300mm/f2, 600mm/f4	603 NAS	45
Eyeiece Correction Lens N5005/N4004 +0.5	2941 NCP	48	CP-3 Filter case for all 52mm Filters	2291 NCP	47	Type H3 (F3HP/F3/T)	2564 NAS	48	Front Lens Cover for 300mm/f2.8 D AF-I	593 NAS	45
Eyeiece Correction Lens N5005/N4004 +1.0	2942 NCP	48	CP-6 Filter case for all 62mm Filters	2378 NCP	47	Type J Focusing Screen (F3HP/F3/T)	2556 NAS	48	Front Lens Cover for 400mm/f2.8	631 NAS	45
Eyeiece Correction Lens N5005/N4004 +2.0	2943 NCP	48	CP-5 Filter case for all 72mm Filters	2292 NCP	47	Type J Focusing Screen (F4S)	2518 NAS	48	Front Lens Cover for 600mm/f4 D AF-I	594 NAS	45
Eyeiece Correction Lens N5005/N4004 -4.0	2944 NCP	48	Filter Adapter Ring UR-1	2377 NCP	47	Type K Focusing Screen (F3HP/F3/T)	2551 NAS	48	Front Lens Cover for ED lenses (f200/2; f300/2.8; f600/5.6)	629 NAS	45
Eyeiece Correction Lens N5005/N4004 -3.0	2945 NCP	48	Filter Holder for AF-1 (repl)	2469 NAS	47	Type K Focusing Screen (F4S)	2519 NAS	48	LF-1 Rear Lens Cap for all F-Mount Lenses	607 NCP	45
Eyeiece Correction Lens N5005/N4004 -2.0	2946 NCP	48	Gelatin Filter Holder for 200mm/2	2461 NAS	47	Type L Focusing Screen (F3HP/F3/T)	2566 NAS	48			
Eyeiece Correction Lens N5005/N4004 -1.0	2947 NCP	48	Gelatin Filter Holder for AF-1 (repl)	2470 NAS	47	Type M Focusing Screen (F4S)	2520 NAS	48	Lens Cases		
Eyeiece Correction Lens N5005/N4004 -0.5	2948 NCP	48	HN-12 Hood for 52mm Circular Polarizing Filter	518 NAS	47	Type P Focusing Screen (F3HP/F3/T)	2568 NAS	48	CL-11	436 NCP	50
Eyeiece Correction Lens N5005/N4004 "0"	2940 NCP	48	HN-13 Hood for 72mm Circular Polarizing Filter	539 NCP	47	Type P Focusing Screen (F4S)	2521 NAS	48	CL-13A	486 NCP	50
Eyeiece Correction Lens N6006/6000 +0.5	2941 NCP	48	HN-26 Hood for 62mm Circular Polarizing Filter	568 NCP	47	Type R Focusing Screen (F3HP/F3/T)	2569 NAS	48	CL-15S	4453 NCP	50
Eyeiece Correction Lens N6006/6000 +1.0	2942 NCP	48	HN-29 Hood for 77mm Circular Polarizing Filter	4613 NAS	47	Type S Focusing Screen (F3HP/F3/T)	2572 NAS	48	CL-17	485 NCP	50
Eyeiece Correction Lens N6006/6000 +2.0	2943 NCP	48	Slip-in 39mm Holder for ED-IF Lens (repl)	2220 NAS	47	Type T Focusing Screen (F3HP/F3/T)	2570 NAS	48	CL-20A	431 NCP	50
Eyeiece Correction Lens N6006/6000 +3.0	2944 NCP	48	Slip-in 52mm Holder for 400mm/2.8 ED-IF (repl)	2459 NAS	47	Type U Focusing Screen (F3HP/F3/T)	2571 NAS	48	CL-27A	4458 NCP	50
Eyeiece Correction Lens N6006/6000 -2.0	2945 NCP	48	Slip-in Gel Holder for ED-IF Lens (repl)	2443 NAS	47	Type U Focusing Screen (F4S)	2522 NAS	48	CL-29	475 NCP	50
Eyeiece Correction Lens N6006/6000 -3.0	2946 NCP	48	Square (UV) Filter for 105mm/4.5 UV-Nikkor (repl)	2397 NAS	47				CL-30S	4501 NCP	50
Eyeiece Correction Lens N6006/6000 -4.0	2947 NCP	48	UR-2 Filter Adapter for 105mm/4.5 UV-Nikkor (repl)	2398 NAS	47				CL-31S	4502 NCP	50
Eyeiece Correction Lens N6006/6000 -5.0	2948 NCP	48	Focusing Screens						CL-32S	4503 NCP	50
Eyeiece Correction Lens N6006/6000 "0"	2940 NCP	48	Type A Focusing Screen (F3HP/F3/T)	2552 NAS	48				CL-33S	4404 NCP	50
Fieldsopes			Type B Focusing Screen (F3HP/F3/T)	2553 NAS	48				CL-34S	4474 NCP	50
60mm Fieldscope II	7894 NCP	82	Type B Focusing Screen (F4S)	2510 NAS	48				CL-35A	4479 NCP	50
60mm Fieldscope IIA	7838 NCP	82	Type B Focusing Screen (N90)	2584 NAS	48				CL-36	4480 NCP	50
60mm Fieldscope EDII	7895 NCP	82	Type B Focusing Screen (N8008s)	2582 NAS	48				CL-37	4470 NCP	50
60mm Fieldscope EDII A	7839 NCP	82	Type C Focusing Screen (F3HP/F3/T)	2554 NAS	48				CL-38	4471 NCP	50
78mm Filedscope ED	7898 NCP	82	Type C Focusing Screen (F4S)	2511 NAS	48				CL-39	4476 NCP	50
78mm Fieldscope ED Angled	7899 NCP	82	Type D Focusing Screen (F3HP/F3/T)	2559 NAS	48				CL-40	4478 NCP	50
Photographic Attachment for Fieldsopes	7770 NCP	82	Type E Focusing Screen (F3HP/F3/T)	2556 NAS	48				CL-41	4460 NCP	50
Eyeieces for Fieldsopes			Type E Focusing Screen (F4S)	2512 NAS	48				CL-42	4459 NCP	50
15x	7772 NCP	82	Type E Focusing Screen (N90)	2583 NAS	48				CL-43	4461 NCP	50
20x	7775 NCP	82	Type E Focusing Screen (N8008s)	2581 NAS	48				CL-43A	4462 NCP	50
20-45x	7771 NCP	82	Type F Focusing Screen (F4S)	2513 NAS	48				CL-44	4463 NCP	50
30x Wide-angle	7943 NCP	82	Type G1 Focusing Screen (fisheye F3HP/F3/T)	2557 NAS	48				CL-45	4464 NCP	50
30x	7773 NCP	82	Type G1 Focusing Screen (fisheye F4S)	2514 NAS	48				CL-46	4565 NCP	50
40x	7774 NCP	82	Type G2 Focusing Screen (wide angle F3HP/F3/T)	2558 NAS	48				CL-47	4466 NCP	50
60x	7811 NCP	82							CL-61A	4472 NCP	50
									CL-64	4527 NCP	50
									CP-9	4511 NCP	50
									CZ-1860	441 NCP	50
									NO. 61	4301 NCP	50
									NO. 62	4302 NCP	50
									NO. 63	4303 NCP	50
									Trunk Case		50
									Lens Hoods		
									HB-1 Bayonet	4602 NAS	45
									HB-2 Bayonet	4603 NAS	45
									HB-3 Bayonet	4604 NAS	45
									HB-4 Bayonet	4610 NAS	45
									HB-5 Bayonet	4611 NAS	45
									HB-6 Bayonet	4612 NAS	45
									HB-7 Bayonet	4614 NAS	45

Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #
HK-2 Slip-on	551 NAS	45	28mm f/2 Nikkor AIS	1419 NAS	32	105mm f/2.8D AF Micro-Nikkor			MC-25 Adapter Cord	4655 NAS	15
HK-5 Slip-on	554 NAS	45	28mm f/2.8 AF Nikkor AIS	1917 NCP	32	AIS	1988 NCP	38, 39, 40	MF-4 250 Exposure Magazine Back	134 NAS	10
HK-9 Slip-on	563 NAS	45	35mm f/1.4 Nikkor AIS	1429 NAS	32				MF-17 Sync Cord	2069 NAS	11
HK-11 Slip-on	553 NAS	45	35mm f/2 Nikkor AIS	1920 NCP	32	200mm f/4D IF Micro-Nikkor AIS	1989 NAS	38, 40	MF-6B Auto Film Stop Back	136 NAS	10
HK-14 Slip-on	559 NAS	45	50mm f/1.2 Nikkor AIS	1435 NAS	33	120mm f/4D IF Medical-Nikkor Set	983 NAS	38, 61	MF-14 Data Back	4411 NAS	11
HK-15 Slip-on	4600 NAS	45	50mm f/1.4 AF Nikkor AIS	1904 NCP	33		1024 NAS	38	MF-16 Data Back	4526 NCP	26
HK-16 Slip-on	4601 NAS	45	50mm f/1.8 AF Nikkor AIS	1906 NCP	33	28mm f/3.5 PC-Nikkor	1025 NAS	38	MF-17 150 Exposure Data Back Set	140 NAS	11
HK-17 Slip-on	4608 NAS	45	85mm f/1.4 Nikkor AIS	1450 NAS	33	35mm f/2.8 PC-Nikkor	1453 NAS	38	MF-17 Memo Plate Set	2073 NAS	11
HK-18 Slip-on	4615 NAS	45	85mm f/1.8 Nikkor AIS	1930 NCP	33	105mm f/4.5 UV Nikkor AIS			MF-18 Data Back	4566 NAS	11
HK-19 Slip-on	4616 NAS	45	105mm f/1.8 Nikkor AIS	1457 NAS	33				MF-20 Data Back	4620 NAS	18
HN-1 Screw-in	508 NAS	45	105mm f/2D AF DC-Nikkor	1932 NAS	33	Lenses (Large Format)			MF-21 Multi-Control Back	4621 NAS	18
HN-2 Screw-in	509 NAS	45	105mm f/2.5 Nikkor AIS	1456 NCP	33	Nikkor AM 120mm f/5.6	1325 NAS	51	MF-22 Data Back	4622 NAS	6
HN-3 Screw-in	510 NAS	45	135mm f/2 AF-DC Nikkor AIS	1934 NAS	34	Nikkor AM 210mm f/5.6	1326 NAS	51	MF-23 Multi-Control Back	4623 NAS	6
HN-9 Screw-in	523 NAS	45	135mm f/2.8 Nikkor AIS	1462 NCP	34	Nikkor ED 270mm f/6.3	1352 NAS	51	MF-24 250 Exposure Multi-Control Back	4624 NAS	6
HN-12 Screw-in	518 NAS	45	180mm f/2.8N ED-IF AF Nikkor AIS	1939 NAS	34	Nikkor ED 360mm f/8	1353 NAS	51	MF-25 Multi-Control Back	120 NAS	15
HN-13 Screw-in	539 NAS	45				Nikkor ED 500mm f/11	1354 NAS	51	MF-26 Multi-Control Back	4626 NAS	15
HN-20 Screw-in	562 NAS	45	200mm f/2 ED-IF Nikkor AIS	1465 NAS	34	Nikkor ED 600mm f/9	1355 NAS	51	MK-1 Firing Rate Converter	121 NAS	10
HN-22 Screw-in	566 NAS	45	300mm f/2.8D ED-IF AF-1 Nikkor AIS	1942 NAS	34	Nikkor ED 720mm f/16	1357 NAS	51	ML-3 Modulelite Remote Control Set	4645 NAS	15, 64
HN-23 Screw-in	565 NAS	45	300mm f/2.8 ED-IF AF Nikkor	1945 NAS	34	Nikkor ED 800mm f/12	1356 NAS	51	MR-3 Motor Terminal Release	4563 NCP	10, 64
HN-24 Screw-in	567 NAS	45	300mm f/4 ED-IF AF Nikkor AIS	1946 NAS	34	Nikkor ED 1200mm f/18	1364 NAS	51	MZ-1 250 Exposure Film Cassette	2077 NAS	7
HN-26 Screw-in	568 NAS	45	400mm f/2.8 ED-IF Nikkor AIS	1499 NAS	34	Nikkor M 200mm f/8	1322 NAS	51	MZ-1 250 Exposure Film Cassette	2077 NAS	12
HN-27 Screw-in	558 NAS	45	400mm f/2.8 ED-IF Nikkor AIS			Nikkor M 300mm f/9	1321 NAS	51	MZ-1 Bulk Film Loader	2080 NAS	12
HN-28 Screw-in	572 NAS	45	400mm f/2.8D ED-IF AF-1 Nikkor	T.B.A.	35	Nikkor M 450mm f/9	1323 NAS	51	MZ-1 Film Cassette Spool	2079 NAS	12
HN-29 Screw-in	4613 NAS	45	400mm f/2.8D ED-IF AF-1 Nikkor	T.B.A.	35	Nikkor SW 65mm f/4	1341 NAS	51			
HR-1 Rubber Screw-in	537 NAS	45	400mm f/3.5 ED-IF Nikkor AIS	1473 NAS	35	Nikkor SW 75mm f/4	1343 NAS	51			
HR-2 Rubber Screw-in	538 NAS	45	400mm f/5.6 ED-IF Nikkor AIS	1489 NAS	35	Nikkor SW 90mm f/4	1345 NAS	51			
HS-7 Snap-on	541 NAS	45	500mm f/4 P IF Nikkor AIS	1447 NAS	35	Nikkor SW 90mm f/8	1344 NAS	51			
HS-9 Snap-on	543 NAS	45	600mm f/4D ED-IF AF-1 Nikkor AIS	1951 NAS	35	Nikkor SW 120mm f/8	1346 NAS	51			
HS-10 Snap-on	545 NAS	45	600mm f/4N ED-IF Nikkor AIS	1492 NAS	35	Nikkor SW 150mm f/8	1351 NAS	51	Power Sources		
HS-11 Snap-on	546 NAS	45	600mm f/5.6N ED-IF Nikkor AIS	1494 NAS	35	Nikkor W 105mm f/5.6	1309 NAS	51	AS-1 Coupler	362 NAS	60
HS-12 Snap-on	547 NAS	45	800mm f/5.6 ED-IF Nikkor AIS	1446 NAS	35	Nikkor W 135mm f/5.6	1312 NAS	51	AS-2 Coupler	363 NAS	60
HS-14 Snap-on	555 NAS	45	500mm f/8N Reflex-Nikkor	953 NCP	36	Nikkor W 150mm f/5.6	1314 NAS	51	AS-3 Coupler	353 NAS	60
			1000mm f/11N Reflex-Nikkor	952 NAS	36	Nikkor W 180mm f/5.6	1316 NAS	51	AS-4 Coupler	354 NAS	60
			2000mm f/11 Reflex-Nikkor	978 NAS	36	Nikkor W 210mm f/5.6	1319 NAS	51	AS-5 Coupler	3059 NAS	60
			20-35mm f/2.8 D AF Zoom-Nikkor	1953 NAS	36	Nikkor W 240mm f/5.6	1318 NAS	51	AS-6 Coupler	3060 NAS	60
			24-50mm f/3.3-4.5 AF Zoom-Nikkor AIS	1954 NCP	36	Nikkor W 300mm f/5.6	1320 NAS	51	AS-7 Coupler	3065 NAS	60
			28-70mm f/3.5-4.5D AF Zoom-Nikkor AIS	1956 NCP	36	Nikkor W 360mm f/5.6	1327 NAS	51	Coiled Sync Cord SC-15	4524 NCP	60
			28-85mm f/3.5-4.5 AF Zoom Nikkor AIS	1959 NCP	36				DB-6 External Battery Pack	3069 NAS	7, 15, 65
			35-70mm f/2.8D AF Zoom-Nikkor	1963 NAS	36	Accessories for Large Format Lenses			Flash Tripod Adapter AS-11	4561 NAS	59
			35-80mm f/4-5.6D AF Zoom-Nikkor AIS	1970 NCP	36	Rear Lens Unit 360mm ED Nikkor-T	1358 NAS	51	Hot Shoe Adapter AS-15	3066 NCP	60, 65
			35-105mm f/3.5-4.5 AF Zoom Nikkor AIS	1967 NCP	37	Rear Lens Unit 500mm ED Nikkor-T	1359 NAS	51	MA-4 AC/DC Converter	42 NAS	10
			35-135mm f/3.5-4.5 SN AF Zoom-Nikkor AID	1969 NCP	37	Rear Lens Unit 600mm ED Nikkor-T	1360 NAS	51	MA-4 AC/DC Converter Power Supply	42 NAS	7
			35-200mm f/3.5-4.5 Zoom-Nikkor AIS	1445 NAS	37	Rear Lens Unit 720mm ED Nikkor-T	1362 NAS	51	MB-20 Compact AA Type Battery Pack	4631 NAS	7
			50-300mm f/4.5- ED Zoom-Nikkor AIS	1483 NAS	37	Rear Lens Unit 800mm ED Nikkor-T	1361 NAS	51	MB-21 High Speed Battery Pack	4632 NAS	7
			70-210mm f/4.5-6D AF Zoom-Nikkor AIS	1979 NCP	37	Rear Lens Unit 1200mm ED Nikkor-T	1363 NAS	51	MB-22 External Power Regulator	4633 NAS	7
			77-300mm f/4.5-5.6 AF Zoom-Nikkor AIS	1982 NCP	37	Screw-on Cap f/Rear Lens unit (repl) 36mm	1338 NAS	51	MB-23 Multi-Power High Speed Battery Pack	4634 NAS	7
			80-200mm f/2.8D AF ED IF	1985 NAS	37	Screw-on Cap f/Rear Lens unit (repl) 58mm	1339 NAS	51	MC-11 External Power Cord for MD-4	132 NAS	10
			180-600mm f/8 ED Zoom-Nikkor	1490 NAS	37	Slip-on Lens Cap (repl) 42mm	1330 NAS	51	MC-28 External Power Cord	4658 NAS	7, 65
			1200-1700mm f/5.6-8 ED Zoom-Nikkor	1448 NAS	37	Slip-on Lens Cap (repl) 54mm	1331 NAS	51	MC-29 External Power Cord	4659 NAS	15, 65
			58mm f/1.2 Noct-Nikkor	1439 NAS	37	Slip-on Lens Cap (repl) 60mm	1332 NAS	51	MD-4 Motor Drive	120 NAS	10
			55mm f/2.8 Micro-Nikkor AIS	1442 NAS	37, 61	Slip-on Lens Cap (repl) 70mm	1333 NAS	51	MD-12 Motor Drive	102 NCP	26
			60mm f/2.8D AF Micro-Nikkor AIS	1987 NCP	38, 39, 40	Slip-on Lens Cap (repl) 80mm	1334 NCP	51	MH-2 Nicad Battery Unit	126 NAS	10
						Slip-on Lens Cap (repl) 85mm	1335 NAS	51	MH-20 Nicad Battery Charger	112 NAS	7
						Slip-on Lens Cap (repl) 100mm	1336 NAS	51	MS-21 AA Battery Holder	4637 NAS	7
						Slip-on Lens Cap (repl) 31.5mm	1337 NAS	51	MS-23 6-Piece AA Battery Holder	4640 NAS	7
						MC-17 Multi-Motor Cord	138 NAS	10	Power Bracket Model SK-6	4724 NAS	58
						MC-20 Remote Cord	4650 NAS	15, 64	Sensor Remote SC-13	313 NCP	60
						MC-21 Extension Cord	4651 NAS	15	TTL Multi-Flash Adapter AS-10	4560 NCP	59
						MC-22 Remote Cord	4652 NAS	15			
						MC-23 Connecting Cord	4653 NAS	15			

Product	Product #	Page #	Product	Product #	Page #	Product	Product #	Page #
TTL Multi-Flash Sync Cord SC-18	4558 NCP	59	Soft Case SS-22 (repl)	4606 NCP	55, 56, 58	28mm f/3.5 UW-Nikkor IC	10310 NCP	76
TTL Multi-Flash Sync Cord SC-19	4559 NCP	59	Soft Case SS-23 (repl)	4607 NCP	55, 56, 58	35mm f/2.5 UW-Nikkor IC	10311 NCP	76
TTL Remote Cord SC-12	356 NCP	60				50mm f/2.8 R-UW AF Micro-Nikkor	11011 NCP	74
TTL Remote Cord SC-14	3061 NAS	58, 60	Soft Case SS-24 (repl)	4609 NAS	55	80mm f/4 UW-Nikkor IC	10312 NCP	76
TTL Remote Cord SC-17	4557 NCP	58, 60				DK-100 Eyepiece (for RS)	11105 NCP	74
TTL Remote Cord SC-24	3067 NAS	59				MC-100 Remote Cord		NCP 74
Speedlights and Accessories			Speedlight Flash Head SB-14 (repl)	4514 NAS	56, 60	Nikonos Close-up Outfit	10705 NCP	75
52mm Adapter Ring for SB-21 (repl)	4598 NAS	57	SW-5UV Adapter (repl)	* NAS	57, 63	Nikonos RS AF SLR Camera	11000 NCP	72, 73
62mm Adapter Ring for SB-21 (repl)	4599 NAS	57	SW-5V Visible Ray Adapter (repl)	* NAS		Nikonos-V for Moss Green	10071 NCP	75
AA Battery Holder (repl)	3064 NCP	56, 57	SW-51R Infrared Adapter (repl)	* NAS		Nikonos-V for Orange	10070 NCP	75
AA Battery Holder MS-5 (repl)	4552 NCP	56				SB-103 Speedlight Set	10103 NCP	76
AA Battery holder MS-6 (repl)	4553 NAS	57	TTL Macro Speedlight SB-21 A (F3 shoe version)	4701 NAS	57, 63	SB-104 Speedlight Set	11200 NCP	76
AC Power Pack LA-2 (requires SC-21 power cord)	4506 NAS	57	TTL Macro Speedlight SB-21 B (ISO shoe version)	4702 NAS	57, 63	SC-101 Sync Cord	11224 NCP	74
Adapter Ring UR-3 (req. w/60mm Micro for AF Operation)	2396 NAS	57	Wide Angle Flash Adapter SW-3 (repl)	3057 NCP	56, 60	SC-102 Sync Cord	11225 NCP	74
C-Cell Battery Pack SD-7 (comes with SC-16 Power Cord)	4520 NCP	55, 56, 57, 58	Wide Angle Flash Adapter SW-5 (repl)	4522 NAS	56, 60	SC-103 Sync Cord	11226 NCP	74
C-Cell Battery Pack SD-7 for SB-14 (repl) (comes with SC-16 Power Cord)	4520 NCP	56, 60	Wide Angle Flash Adapter SW-7 (repl)	4550 NCP	56	SN-104 NiCad Battery Pack	11211 NCP	76
Case for Controller Unit SS17 (repl)	4554 NAS	57, 63	Wide Flash Adapter SW-8 (repl)	4546 NAS	57	SH-104 NiCad Charger		76
Case for Flash Unit SS-21 (repl)	4723 NAS	57, 63	Spotting Scopes			Sunglasses		
Controller/Power Packs AS-12 for SB-21A (repl)	4565 NAS	57	15-45x60 RC	7835 NCP	82	Avalanche	54250 NCP	78
Controller/Power Packs AS-12 for SB-21B (repl)	4566 NAS	57	15-45x60 RC Angled	7501 NCP	82	Aviator	51004 NCP	77
DC Power Pack LD-2 (requires SC-21 power cord)	4505 NAS	57	20x60 RC	7834 NCP	82	Aviator II	55361 NCP	78
Flash Cord SC-11 for SB-14 (repl)	3056 NCP	56, 60	20x60 RC Angled	7500 NCP	82	Baja	55241 NCP	78
Flash Sync Cord SC-11 for SB-11 (repl)	3056 NCP	56, 60	Teleconverters			Berkeley	52231 NCP	77
High Performance AA Battery Pack SD-8	4720 NCP	55, 56, 58	TC-14A 1.4x Teleconverter for Nikkor AF/AIS lenses 200mm or less	1400 NCP	43	Boca	55281 NCP	78
High Performance Battery Pack SD-8	4720 NCP	56, 57	TC-14B 1.4x Teleconverter for Nikkor AF/AIS lenses 300mm or more	1401 NAS	43	Bristol	54341 NCP	78
Mounting Bracket SK-4 (repl)	369 NCP	56, 60	TC-14E 1.4x Teleconverter for Nikkor AF-1 lenses	1995 NAS	43	Clearwater	53332 NCP	77
Mounting Bracket SK-5 (repl)	4539 NAS	56, 57	TC-20E 2x Teleconverter for Nikkor AF-1 lenses	1997 NAS	43	Cortina	55370 NCP	78
Power Cord SC-16 for SD-7 (repl)	4523 NCP	56, 60	TC-201 2x Teleconverter for Nikkor AF/AIS lenses 200mm or less	1403 NCP	43	Del Sol	55250 NCP	78
Power Cord SC-21	4534 NAS	57	TC-301 2x Teleconverter for Nikkor AF/AIS lenses 300mm or more	1404 NAS	43	Fifties	55161 NCP	78
SB-11	311 NCP	56	Touch Cameras			Hampton	52320 NCP	77
SB-14	4525 NAS	56	Fun-Touch 3 Outfit	1863 NCP	70	Hatteras	51220 NCP	77
SB-16A	4542 NAS	56	Lite-Touch	1815 NCP	70	Monterey	52311 NCP	77
SB-16A Coupler to F3 (repl) AS-8	4544 NAS	56, 60	Lite-Touch Quartz Date	1816 NCP	70	Navigator	53054 NCP	77
SB-16B	4543 NCP	56	Lite-Touch Zoom	1832 NCP	69	Outbound	55381 NCP	78
SB-16B Coupler to ISO shoe (repl) AS-9	4545 NCP	56, 60	Lite-Touch Zoom Quart Date	1833 NCP	69	Soho	52022 NCP	77
SB-20	4700 NCP	55, 56, 58	Nice-Touch 2 Outfit	9615 NCP	70			
SB-22	4703 NCP	55, 56, 58	One-Touch 300	1851 NCP	70			
SB-23	4704 NCP	55, 56, 58	Sport-Touch Outfit	9592 NCP	70			
SB-25	4706 NAS	54	Zoom-Touch 105 VR QD	1834 NCP	70			
SB-140 UV-IR	4512 NAS	57	Zoom-Touch 470	1830 NCP	70			
SC-23 TTL Sync Cord	4562 NCP	56, 60	Zoom-Touch 470 Quartz Date	1831 NCP	70			
Sensor Unit SU-3 (repl)	* NAS	57, 63	Zoom-Touch 600	1828 NCP	70			
Sensor Unit SU-2 (repl)	3055 NCP	56, 60	Zoom-Touch 800	1826 NCP	71			
Soft Case SS-16 (repl)	4551 NCP	56	Zoom-Touch 800 World Time Model	1827 NCP	71			
Soft Case SS-20 (repl)	4605 NCP	55	Nikonos (Underwater)					
			15mm f/2.8 UW-Nikkor IC	10315 NCP	76			
			20mm f/2.8 UW-Nikkor IC	10314 NCP	76			
			20mm-35mm f/2.8 R-UW AF Zoom Nikkor	11012 NCP	74			
			28mm f/2.8 R-UW AF Nikkor	11010 NCP	74			

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