
Nikon
F4

Through the years, photography has seen the development of advanced features such as high shutter speeds, fast flash synchronization, multi-segment metering and more. And through these years, professionals have asked for these features in their cameras, but they could not be made available.

The reason was simple. Reliability and high performance — not advanced features — are the hallmarks of a Nikon professional camera. So, until such features could be made to perform to Nikon professional standards, they would not be offered.

Now, without sacrificing strength, reliability or performance, Nikon has combined a selection of the most desirable features into an exciting new professional 35mm SLR… the new F4.

Imagine. A fast 5.7 fps motor. Or an ultra-quiet film advance mode.

An all-new, ultra-high-speed shutter tested to 150,000 firings and offering 1/8000 sec. top speed as well as 1/250 sec. flash sync.

An interchangeable viewfinder system with virtually 100% frame coverage and built-in frame counter.

With High Speed Battery Pack MB-21 containing six AA-type batteries

The Nikon F4
PROFESSIONAL

A choice of three metering systems: multi-segment Matrix metering, Center-Weighted metering and Spot metering.

Precise manual focusing with Electronic Rangefinder for focusing in light as low as EV minus 1. Plus fast and responsive automatic focusing that's perfect for action photography and special focusing situations.

A choice of all available exposure control methods, from Manual to Programmed, Shutter-Priority and Aperture-Priority.

Automatic fill-flash versatility with optional Nikon speedlights.

An up to 250-exposure Multi-Control Back offering such features as automatic exposure bracketing, data imprinting and more.

Plus assurance that the F4 can use your favorite, time-proven Nikon lenses and other Nikon System accessories.

Nikon heard you. The new Nikon F4. Designed to take professional photographers into the future. If the "perfect picture-taking machine" could be invented, with the F4 it has been.

With Battery Pack MB-20 containing four AA-type batteries

The heritage.

Nikon has been at the service of professional photographers for more than thirty years. The F4 puts this heritage in your hands. A heritage embracing traditional Nikon high quality standards, sure and easy handling and reliability. Your passion for great photography and ours for great cameras have kept the Nikon image alive and growing. And now that image lives in the Nikon F4.

The Nikon F4. Because we understand.

The Nikon image. Nikon made its debut at the start of the second half of this century, startling international photojournalists with the quality of its Nikkor lenses and the dependability of its camera body design. Thus was born the Nikon legend. Nikon has kept this legend alive through the introduction of Nikon professional cameras both suited to and ahead of their times. You know about the Nikon F announced in 1959, the Nikon F2 in 1971, and the Nikon F3 in 1980. Through the years, Nikon has remained The Choice of the world's tough professionals. And now there's the F4. Proud bearer of Nikon tradition and history-making innovation.

The professional's true partner. The F4 is born into a tradition of rugged dependability. With its ergonomical body designed by Giugiaro, it handles even better than it looks (and it looks good!). One close look, and you know instinctively how to use the F4. Everything's in place. There's such a friendly familiarity about this high-tech tool that once you hold it, you'll find it difficult not to try it. Somehow you sense this camera is *you*. Attuned to what you need, how you think, how you take pictures. All this – because you and Nikon have a great partnership going.

Nikon F lens mount. We don't have to tell you Nikon defies obsolescence. So all we'll say is that the F4 will work with AI-S lenses, AF Nikkor lenses (including those designed for the Nikon F3AF) and those with built-in microcomputers, as well as AI-modified lenses and even non-AI Nikkor lenses! We designed the F4's Electronic Rangefinder and light metering system to work with most Nikon lenses. With virtually any Nikon lens, you'll have the F4 working. Talk of compatibility! Your investment in Nikon lenses is secure.

Because we feel responsible for your Nikon lenses.

The design.

You know design for design's sake is not the Nikon way. When we created the F4, we based its design on the recommendations of the world's professional photographers. You'll find the camera's shape functional through and through: form follows function. The feeling of weight perfectly balances with rock-solid stability. Your hands and your fingers feel instantly at home. The Nikon F4. Designed to serve as an extension of your hands directly connected with your imagination. It's made for you.

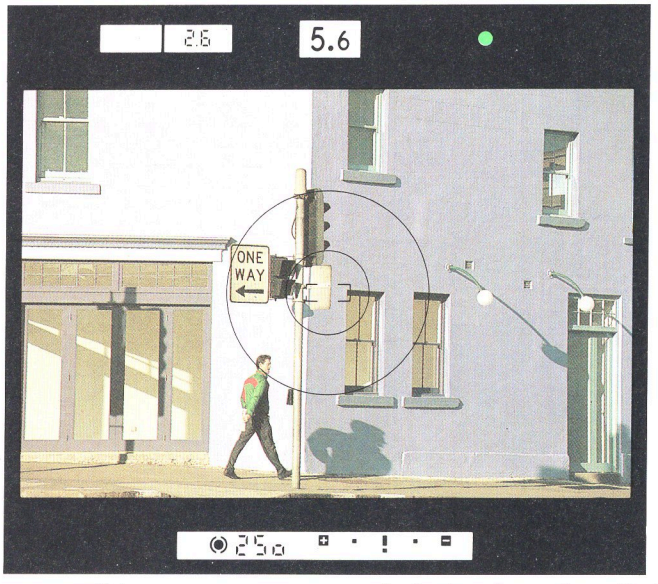
The shape you've always wanted.

Great to control. Hold the F4, and you'll find that it fits perfectly in your hands. We configured the grip, based on human psychology. Advanced computer-aided design went into every curve of the smooth, rounded surface. And as you'll see, the contoured dials and buttons are as pleasing to the eyes as they are easy to manipulate. To assure really ergonomic handling, we left no part of the F4's external surface ignored.

Defying obsolescence. We also examined every minute detail of the F4's operating parts — shape, touch, feel, place. And we decided we could defy the obsolescence that has been the fate of the basic operating parts of other cameras — parts to which professionals have been accustomed. So, on the F4 you'll find the shutter speed selection dial, exposure compensation dial, and mode selection levers as you've always liked them, but better and a bit more stylish.

The Nikon "feel". To enhance the "Nikon feel", we employed a tough rubber compound as the basic outer surface material. This makes for a comfortable, secure interface between camera and photographer. The rugged black matte finish gives the F4 that pro look.

Vertical-format shooting. The F4's MB-21's own shutter release button lets you conveniently release the shutter in vertical-format photography. Not only does the camera hold perfectly, the F4's Matrix Metering mercury sensors also know immediately that the camera is being held vertically — it then changes its computation algorithm for enhanced automatic exposure control.

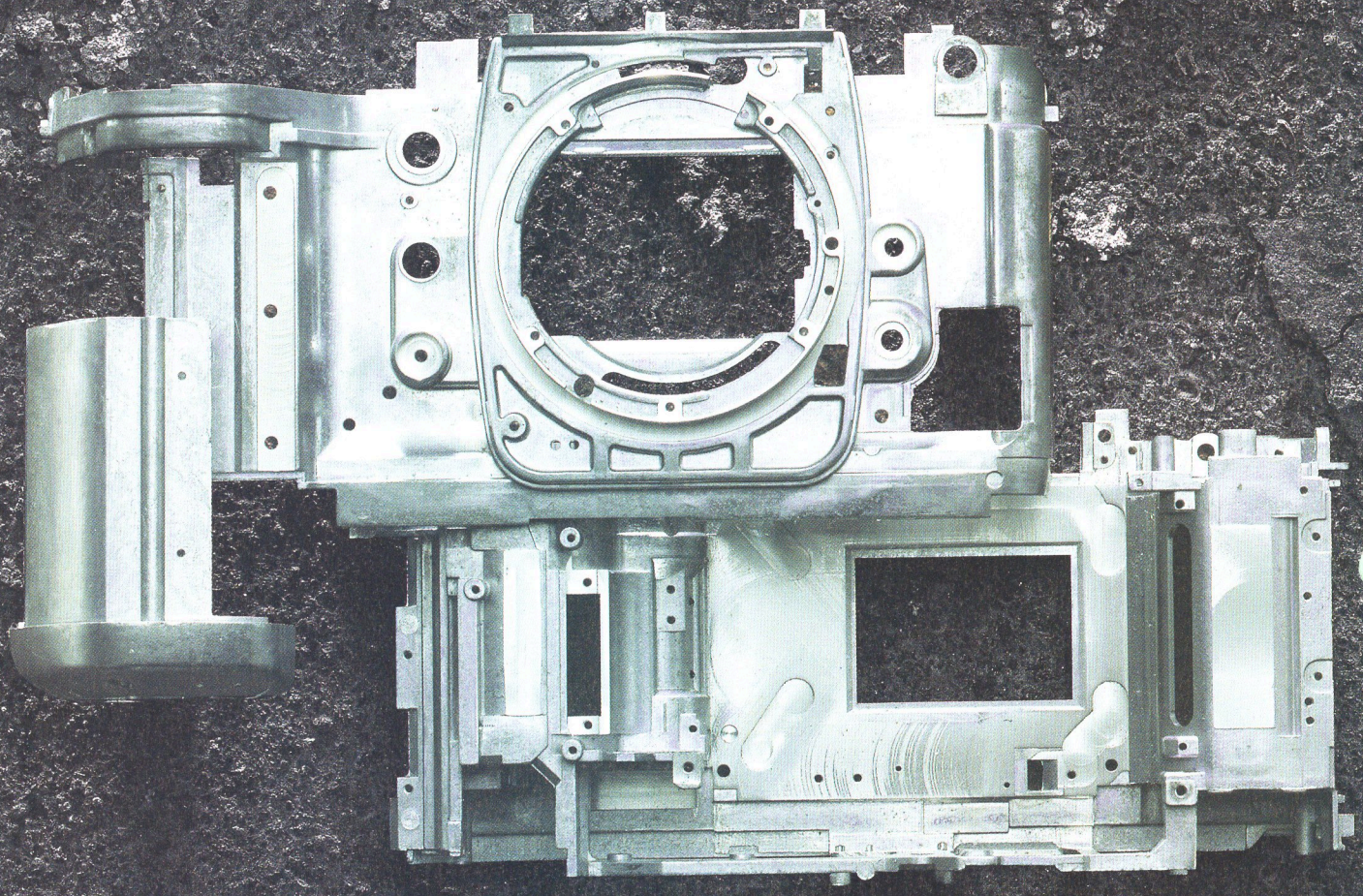


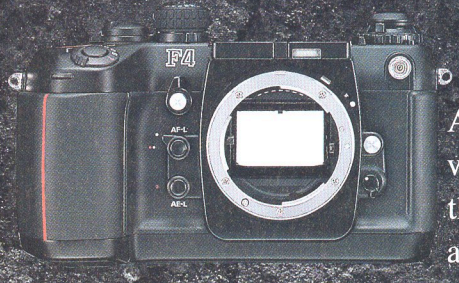
Full-information, virtually 100% coverage viewfinder and high eyepoint! Virtually 100% of the image you see through the viewfinder will appear on the film. And because the standard finder is the high-eyepoint type, you can see the entire frame, including all comprehensive viewfinder information at a glance, even with your eye up to 22mm (nearly one inch) away. LCD viewfinder information includes: metering system in operation, shutter speed chosen, exposure mode selected, and electronic analog display for Manual mode, exposure compensation value, focus indication and flash ready-light. There's also ADR (Aperture Direct Readout), so you know what aperture you've set the lens to. Anything we missed? The *other* frame counter's in the viewfinder!

Touch and view designed for you.

Nikon F4 with AF Nikkor 50mm f/1.4

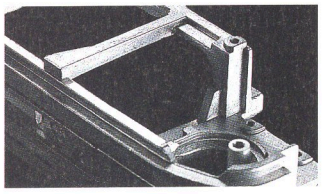
The strength.



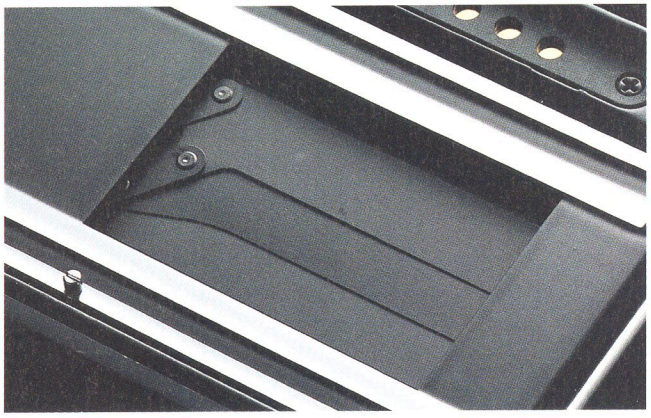


A professional camera cannot choose its working environment. Accordingly, the F4 is prepared to serve the world's demanding photographers. Whatever the assignment. With a rugged and durable camera body that will withstand the toughest conditions, the F4 will be at your service all through the year... year after year.

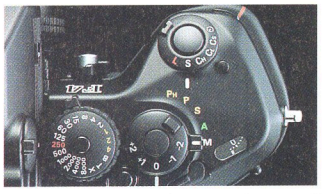
Built to take the worst punishment.



Solid die-cast body. The camera's backbone is a solid aluminum-alloy die-cast, chosen for its superb strength, rigidity and resistance to corrosion. The thick-walled body configuration has been designed to endure vibrations. In addition to the main body, the mounting section of standard Multi-Meter Finder and the interchangeable hand grip have also been die-cast for maximum rigidity. All this assures that the precision parts, microelectronics and optical parts inside the body are dependably protected.

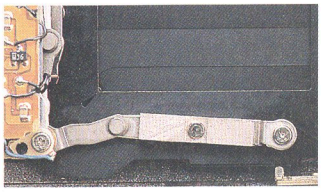


Shock absorber. The rubber compound body surface doubles as a shock absorber. In case of shock, the very firm yet resilient material used is instantly "transformed", then instantly "regains" its original shape. That means less possibility of external damage and, of course, minimum internal shocks.



Protected against mechanical and electrical damage. Every lever and dial of the F4 has been designed to resist intrusion by moisture or dust. The microelectronics and mechanical movement are thus protected securely. Flash contacts on top of the finder unit incorporate a semiconductor switch to protect the contacts from possible electrical shocks due to the use of large-capacity flash units.

Nikon-tough Pro-Tech shutter with performance you need. Designed and built by Nikon, the F4's electromagnetically controlled vertical-travel focal plane shutter enables super-fast operation up to 1/8000 sec. and 1/250 sec. flash sync with confidence and reliability. Of course, the shutter is built tough. Four of the eight shutter blades employ special epoxy plates with carbon fibers, and the others are made of tough aluminum alloy. They are designed to maximize traveling speed while achieving the strength required for such extreme speeds. The Nikon Pro-Tech shutter can endure professional demand.



Tungsten-alloy shutter balancer. This special 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.

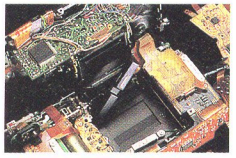
Dual curtains. In ordinary cameras with vertical-travel focal-plane shutter, the film plane is covered by one multi-blade shutter curtain; with the Nikon F4, this multi-blade curtain is doubled, leaving virtually no room for light to slip past the edges of the curtain blades. This means the F4 allows you to perform a mirror-lockup shooting without the fear of such light leaks. A really professional consideration.

Because we can't compromise our professional standards.

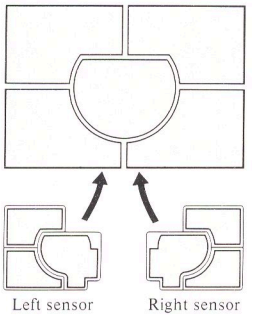
The intelligence.

At the heart of your F4 is a computer. Inside are nine ICs including two 8-bit microcomputers and one 4-bit microcomputer. You'd think this is the largest computer system ever built into a 35mm SLR camera, and you'd be right. The software? You can depend on it — Nikon designed it specially for professional needs.

At last, a computer designed to serve professionals.

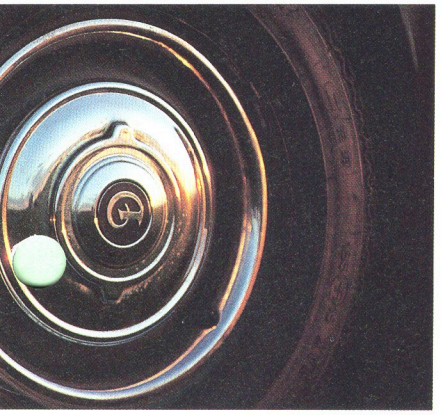


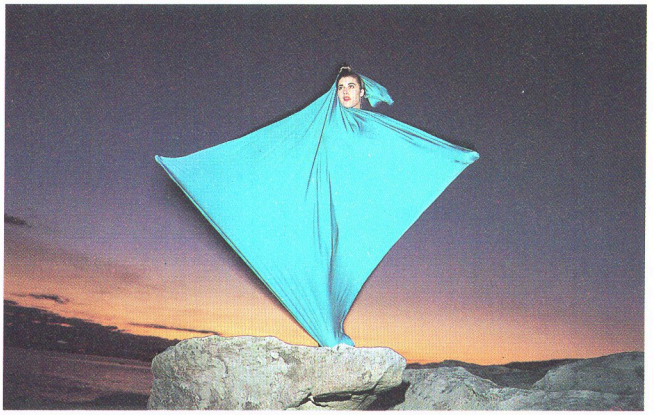
The F4's professional computer network. And for those of you who may have held reservations about computers built into cameras, the F4 is about to change your mind. You won't see them, they don't get in the way, but you'll be completely satisfied with the results you get. Results such as photos exposed precisely the way you want them, or impossible-to-focus subjects now in perfect focus. The F4's microcomputers instantly process various data pertaining to exposure metering, focus detection and mechanical parts control. And wait 'til you start using Nikkor lenses with built-in microcomputers – lens-body interface has never suited your needs so perfectly. Super-fast computation is matched by outstandingly accurate results.



Matrix Metering. Based on Nikon's original design for multi-segment metering, the F4's Matrix Metering System advances towards professional perfection. The F4's five-segment computer-controlled matrix has more power. It can define more lighting/contrast conditions, especially for fill-flash photography. It can even sense the difference between horizontal and vertical composition, and adjusts metering algorithms accordingly. While virtually every other camera's metering systems require the subject to be positioned at the center, the F4's Matrix Meter can work with any scene in which the subject is off-center. You'll see that Matrix Metering is, in fact, the automated simulation of a professional's technique for light metering.

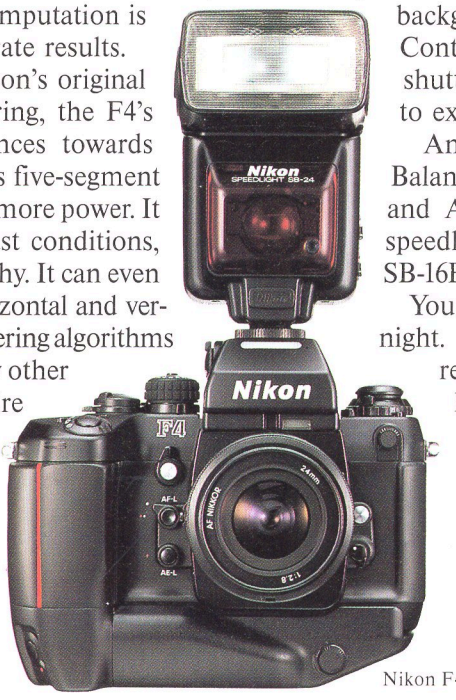
Matrix Balanced Fill Flash with Cybernetic Sync. Fill-flash is generally reserved for controlled conditions because for Manual operation, it can be very complicated. Matrix Balanced Fill-Flash enables balanced, correct exposure for both foreground subject and background, even in demanding, quick-changing situations. Whatever the ambient brightness configuration, the F4 intelligently determines the appropriate exposure value and the TTL flash exposure level. The result is a pleasing, natural-looking effect. Harsh shadows are filled in and main subject details are brought out to the fore... without losing the correct background exposure. The F4's Cybernetic Control automatically adjusts the camera's shutter speed and lens aperture to correspond to exposure requirements.





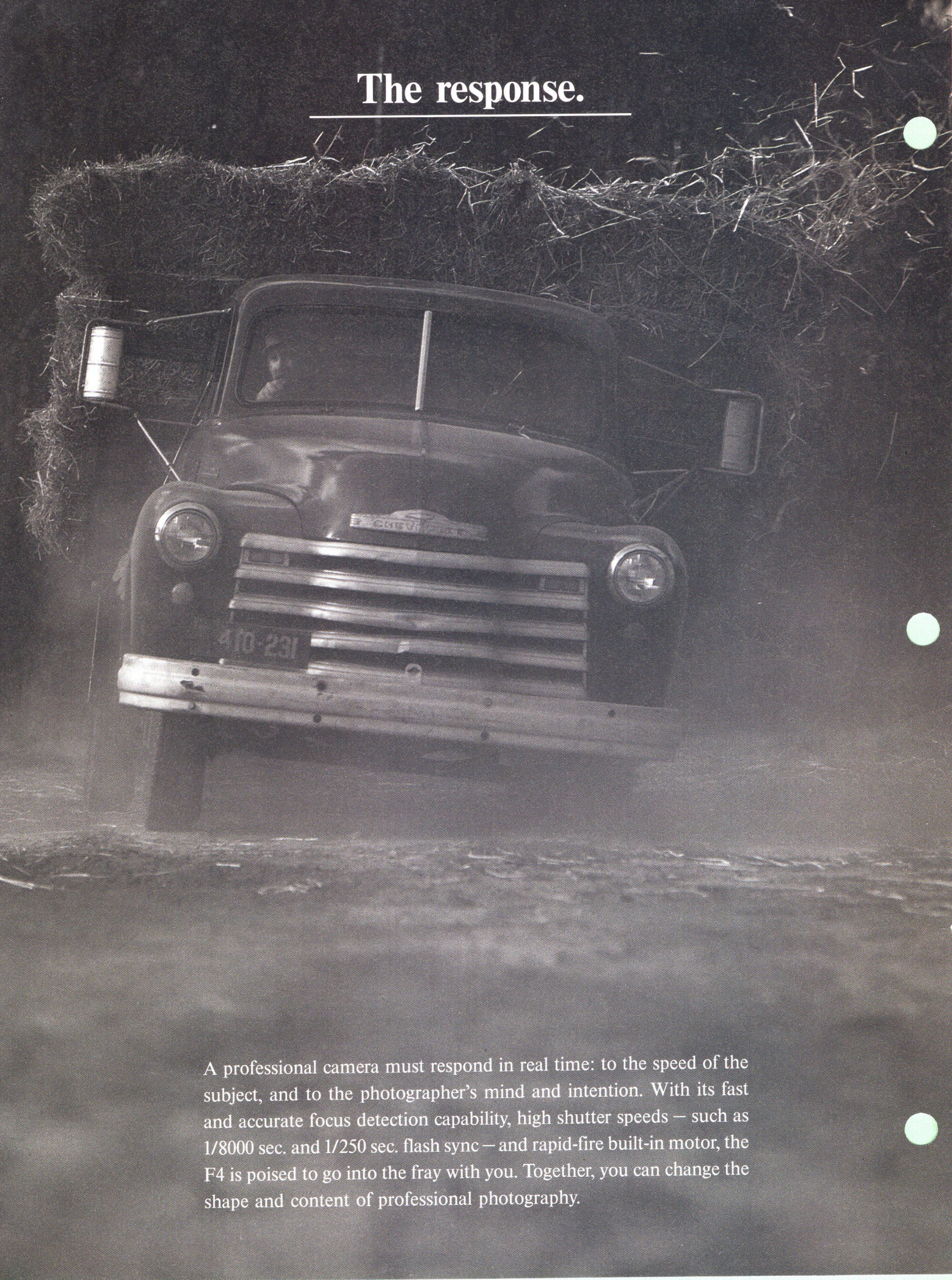
And the beauty of it all is that Matrix Balanced Fill-Flash works with all AF, AI-S and AI Nikon lenses. Just pick your Nikon speedlight – SB-24, SB-23, SB-22, SB-20, SB-18, SB-16B or SB-15.

You can shoot in bright light, twilight or at night. Of course, if and when you wish, you retain full Manual control with the F4's host of overrides.



Nikon F4s with SB-24 Speedlight

Intelligence you can count on when you want to.



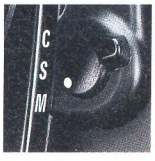
The response.

A professional camera must respond in real time: to the speed of the subject, and to the photographer's mind and intention. With its fast and accurate focus detection capability, high shutter speeds – such as 1/8000 sec. and 1/250 sec. flash sync – and rapid-fire built-in motor, the F4 is poised to go into the fray with you. Together, you can change the shape and content of professional photography.

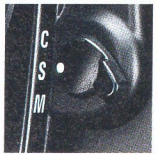
No other 35mm SLR camera on earth can keep up with the F4.

Focusing technique is a personal choice, but often conditions demand speed and precision beyond human ability. The F4 offers a selection of focusing tools to help meet the ever-changing demands of professional photography.

Electronic Rangefinder. Augments optional focusing methods, and is sensitive enough for focusing in light as dim as EV–1, the equivalent of less than one candlelight. Can your eyes focus in that kind of light?

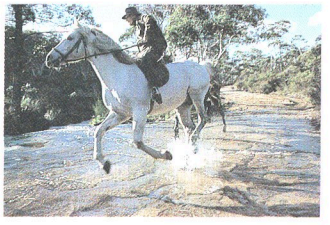


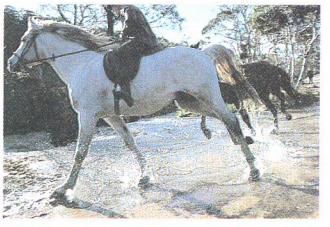
Manual focusing. Use the standard Advanced Brite-View B screen, and focus with the clear matte screen or try the Electronic Rangefinder. Both operate naturally in traditional Manual focusing. If you prefer, there are interchangeable focusing screens, with your choice of optical rangefinder devices such as microprism and shade-free split-image rangefinder.

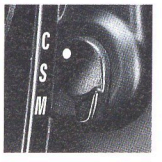


Automatic focusing. Perfect for quick-changing situations, remote photography, or when you simply want the fastest, most precise focusing possible. Use it creatively, or choose not to use it. It's simply another of the F4's tools, available at your discretion.

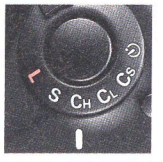
Focus tracking. A computer-assisted follow-focus system which actually calculates the anticipated moving subject's position at the moment just before shutter operation. It's activated automatically when it senses moving subjects when you are on continuous autofocus low-speed operation, and it's automatically cancelled when subject speed becomes erratic. Viewfinder signals keep you informed of status. It's another important F4 tool, designed to expand your picture-taking universe.







Single/Continuous autofocus. Your choice of point-and-shoot fast autofocus, or continuous operation for tracking moving subjects. There's a focus/exposure lock for even more demanding situations.



High-performance built-in motor. Here it is — a high-speed motor drive you can't even see or won't have to attach, ever. And it makes film operation, from loading to ISO setting, automatic. Continuous High runs the F4 at up to 5.7 frames per second* (fps), enabling you to take as many slices of life as you like in a single moment. Continuous Low, up to 3.4 fps.* Single, up to 1 fps or as you like. Plus Continuous Silent for the quietest automatic film advance ever.

*With the Nikon High Speed Battery Pack MB-21.

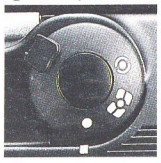
The Nikon F4 — ready for the action.

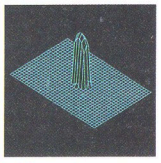
The sensitivity.

The tough Nikon F4 is sensitive even to the most delicate lighting. It is also sensitive to your sensitivity and that of your subject. That's why you get a choice of metering systems. MATRIX for foolproof exposure even in harsh light. CENTER-WEIGHTED for most subjects, which are normally centered. And SPOT for really painterly photography. Focusing? Considering that the F4 focus detection is sensitive to light as low as EV minus 1, don't be surprised if you get more and sharper pictures in available light than you ever did before.

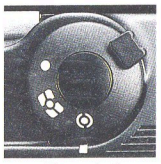
Let the camera sense subject distance and brightness for you.

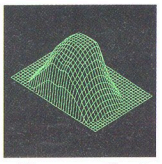
Sensitive focus detection. High-speed computers, Nikon's highest-performance coreless motor, and our Advanced AM200 Autofocus Sensor Module with 200 Charge-Coupled Device sensors combine to make the F4's autofocus system unparalleled in performance and dependability – in light as dim as EV minus 1. Using specially designed Nikon software, the computers process all autofocus data precisely. The compact, powerful coreless motor will drive the largest AF Nikkor telephoto lens effortlessly. Quick starts and stops assure super-fast, precise autofocus operation you can rely on even in fast-changing situations. The 200 superior-sensitivity CCD focus sensors not only enhance response speed – their diagonal configuration enables the F4 to detect a wide variety of normally difficult-to-focus subjects, quickly and accurately.



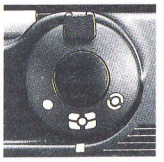


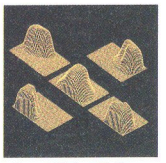
Precise Spot Metering. Positioned adjacent to the Advanced AM200's optical block is the Spot Metering sensor which senses a part of the light coming into the Advanced AM200. The metering area is an approx. 5mm-diameter circle in the viewfinder center – perfect when precise measurement of a particular portion of the subject is required. This metering mode is available with all of the F4's interchangeable viewfinders.





Performance-proven Center-Weighted Metering. Concentrating 60% of the meter's sensitivity into the center of the viewfinder outlined by a 12mm circle, the F4's Center-Weighted Metering offers you the dependable exposure metering system to which you've grown accustomed. Center-Weighted Metering is available with the F4's standard Multi-Meter Finder and the optional AE Action Finder; it works perfectly with auto exposure lock control, too.





Extraordinary Matrix Metering. Nikon's pioneering multi-segment, fully automatic metering system reaches a new level of perfection in the F4. It's perfect for balanced fill-flash photography and will serve you well in special situations where precise metering is not your immediate concern. Also great for remote photography where lighting changes are highly unpredictable.

Adjustable TTL flash exposure level. The TTL sensor monitors the flash illumination exposed on the film surface during shutter release. When a certain level of flash light reaching the film has been accomplished, the sensor commands the Nikon speedlight in use to terminate flash output. With daylight TTL flash control, the system integrates both flash and available light for total exposure control, providing balanced fill-flash with automatically selected fill ratios. Photographers have been doing this with complicated calculations derived from long experience; now they don't have to, because the F4's Matrix Balanced Fill-Flash feature offers suitable TTL flash exposure level automatically. Manual TTL flash level compensation from plus 1 to minus 3 EV fill ratios is even possible with the Nikon SB-24 Speedlight.

Don't let available light defeat you – depend on the F4.

The control.

With the F4, you remain the master of your photography. Take your pick of what the F4 offers from its full selection of exposure controls — full metered Manual, Aperture-Priority, Shutter-Priority, Normal Program and High-Speed Program. Plus exposure compensation and Auto Exposure lock. You select the exposure mode by lever, shutter speed by dial and you're all set.

You're in control even when the camera's doing it for you.

Manual Exposure. You set the shutter speed on the dial and the aperture on the lens. Any deviation from the metered exposure value (Matrix, Center-Weighted or Spot) is indicated in 1/3 EV steps in the viewfinder's LCD display. The display also shows the shutter speed set; the aperture set is visible in the ADR (Aperture Direct Readout) window.

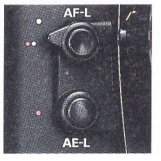
Shutter-Priority Auto Exposure. The widest shutter speed selection ever. Take your pick from 1/8000 sec. to 4 sec. Wide enough to meet requirements from stop-action to scientific extended-time photography. You control shutter speeds in the Manual and Shutter-Priority modes. With Shutter-Priority Auto Exposure, the matching lens aperture is automatically selected. The F4 also features bulb (B) and time-exposure (T) settings for time-lapse or extended duration photography. You can also use the optional Multi-Control Back for shutter speeds as long as nearly 1,000 hours!

Aperture-Priority Auto Exposure. You select aperture, the camera picks the matching metered shutter speed from 1/8000 sec. to 30 seconds. A simple, reliable operation because you just rotate the lens aperture ring, as before. No room for missetting – because an ADR (Aperture Direct Readout) window shows the lens aperture you set. You don't have to take your eye off the viewfinder when changing apertures.

There's a button, too, for confirming depth of field.

Programmed Auto Exposure. For the times when pinning down a rapidly moving subject – rather than picking subtle speed/aperture combinations – is your main concern, choose one of the F4's two program modes: Normal or High-Speed. The F4 then automatically determines the appropriate combination of shutter speed (between 1/8000 sec. and 30 sec.) and aperture for the metered exposure value. The High-Speed Program is especially suited for lenses of 135mm and longer to minimize picture blur or for action photography. The controlled aperture value and shutter speed are indicated in the viewfinder LCD in 1/2 EV steps.

Exposure compensation. You can compensate exposure within the range of ±2EV by 1/3 steps via the exposure compensation dial. Also, since the exposure compensation mark and compensation value are shown in the viewfinder, you can operate this feature without taking your eye off your subject.



Auto Exposure lock. Perfect for recomposing your picture without changing the exposure reading. The metered exposure value is memorized, and this is indicated in the LCD display. For further convenience, both focus and exposure can be simultaneously locked with a turn of the lever provided.

F4 is ready to serve at your command.

The System.

Lenses

Fully compatible with your own imagination.

More than 29 years of Nikon lenses. Yes, you can use Nikon F-mount Nikkor and Nikon lenses dating back to more than 29 years with the F4: AI-S, AI, non-AI, modified AI, Nikon F3AF autofocus lenses, TC-16A autofocus teleconverter and, of course, all Nikkor lenses with built-in computers, including AF Nikkors.

Naturally, the legendary F mount has grown in sophistication. You'll find that the F4 accepts three different communication systems – one for lenses with built-in computers, one for autofocus lenses with built-in motors, and one for those

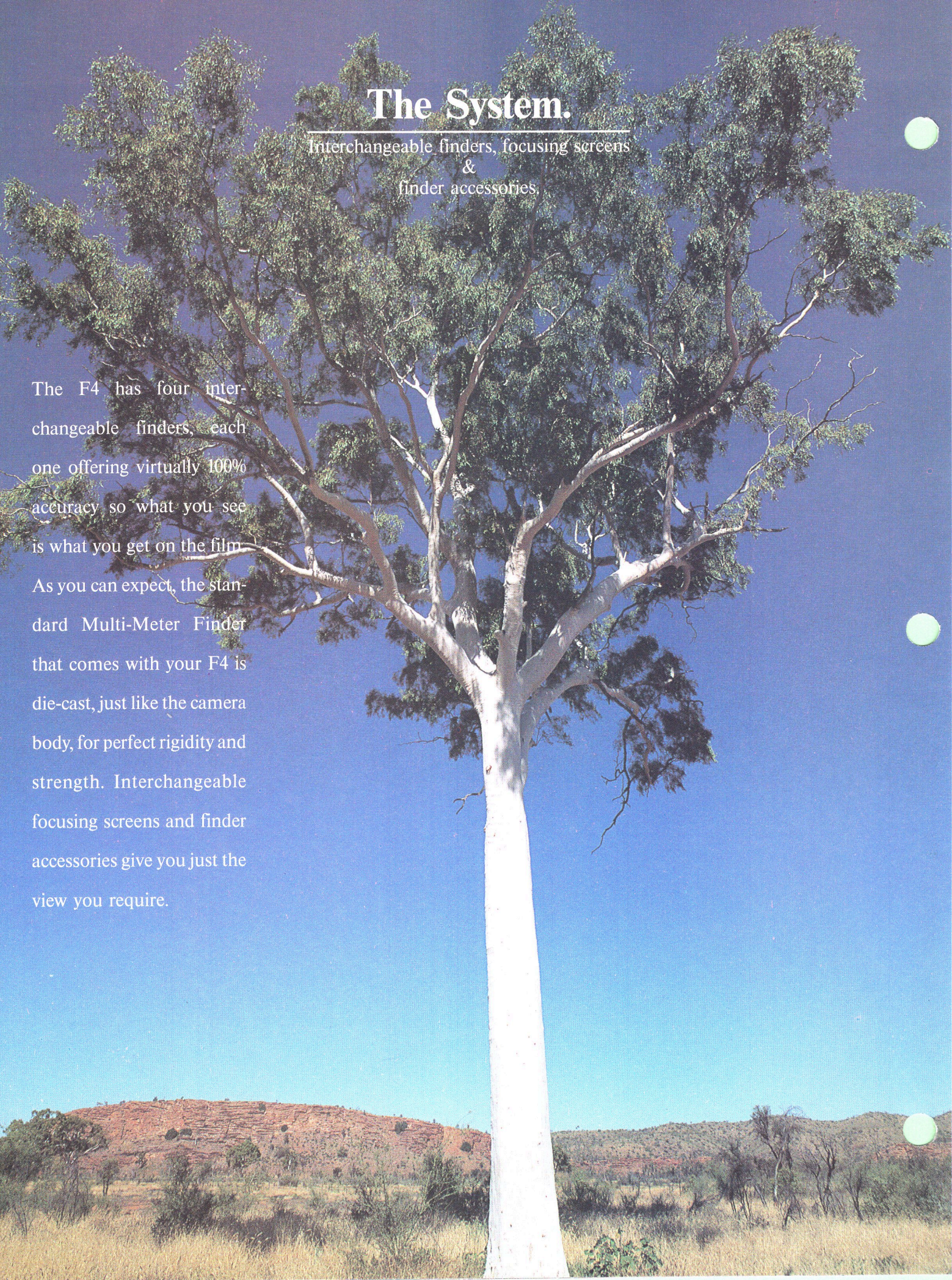
without electronic contacts. The F4's interface has the intelligence to manage all types. With AF, P, AI-S and AI Nikon lenses, all metering systems — Matrix, Center-Weighted and Spot — operate. With modified AI lenses, you use Center-Weighted or Spot metering.

Autofocus operation is possible with AF Nikkors and the autofocus Nikkors designed for the Nikon F3AF. Of course, since the TC-16A autofocus teleconverter can be used, this means about 30 more Nikkor and Nikon manual focus lenses can be used for autofocus operation.

A full range of exposure controls operates, including metered Manual Exposure and Aperture-Priority Auto Exposure. Nikkor lenses with built-in microcomputer can, additionally, operate in the Shutter-Priority Auto Exposure and Programmed Auto Exposure modes. The lens aperture set is always visible in the ADR (Aperture Direct Readout) window.

Quality? You know the story. All Nikon lenses are made of the finest optical glass produced in Nikon's own glassworks. Technological innovations include Nikon Integrated Coating (NIC) for superior contrast and color rendition, Close-Range Correction (CRC) for exceptional quality from near to far and Extra-low Dispersion (ED) glass for virtually chromatic aberration-free telephoto lenses. Nikon-designed Internal Focusing (IF) also makes focusing totally responsive with no extension of the lens barrel.

From close-up to telephoto, from 6mm to 1000mm, Nikon's variety continues to be unmatched and growing, each lens delivering the kind of image quality professionals around the world have long depended on. And remember, with the F4, you can use more than 29 years worth of Nikon lenses.

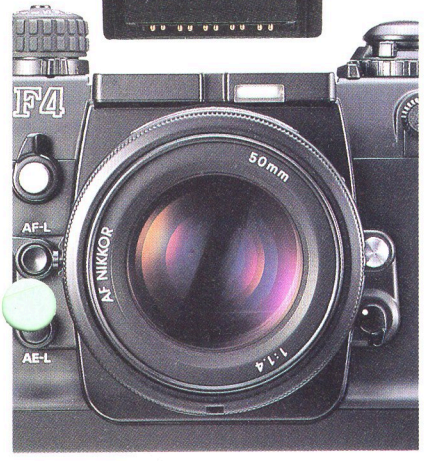


The System.

Interchangeable finders, focusing screens
&
finder accessories.

The F4 has four interchangeable finders, each one offering virtually 100% accuracy so what you see is what you get on the film. As you can expect, the standard Multi-Meter Finder that comes with your F4 is die-cast, just like the camera body, for perfect rigidity and strength. Interchangeable focusing screens and finder accessories give you just the view you require.

You can see in your own way.



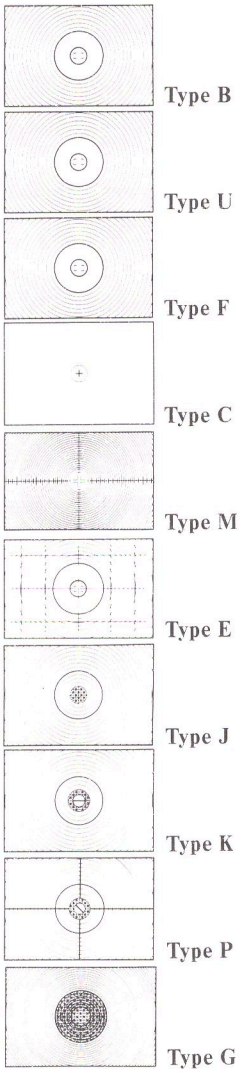
Interchangeable Viewfinders.

Multi-Meter Finder.
High-eyepoint type. Built-in diopter adjustment dial –3 to +1 diopters, ISO-standard accessory shoe, compensation scale for special focusing screens, eyepiece shutter and metering system selector are incorporated.

AE Action Finder
Perfect for situations where normal viewing is difficult or impossible, such as when wearing a helmet or goggles, or with the camera encased in a special housing for underwater photography.

6× High-Magnification Finder
For critical high-magnification close-up work and photomicrography. The sophisticated optical system provides a clear, sharp, view of entire image at an approx. 6x magnification. Fitted with a –5 to +3 diopter adjustment for individual eyesight correction. Rubber eyecup and rubber eyepiece cap are provided.

Waist-Level Finder
For use when the F4 is positioned at a low angle or on a copystand. Fold-up type viewing hood provided. The built-in flip-up magnifier provides an approx. 5x magnification at the center of the image for accurate focusing.



Interchangeable Focusing Screens.
Great for manual focusing and as composition aides, these special Nikon optics do not affect the F4's autofocus operation. All are made of Nikon ground glass. Types B, E, G1 – 4, U and F incorporate a 5mm circle for Spot Metering; Types B, E, K, J, P, U and F, a 12mm spot for Center-Weighted Metering. Additionally, Types B, E, K, P, C, J, U and F are of advanced BriteView configuration for the brightest, clearest images.

Types B, U, F: These offer unobstructed viewing and easy focusing on their overall matte surfaces.

Types C, M: For taking high-magnification close-ups or for astrophotography.

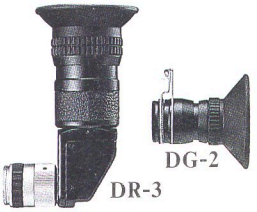
Type E: With its grid pattern, this screen is ideal for architectural photography.

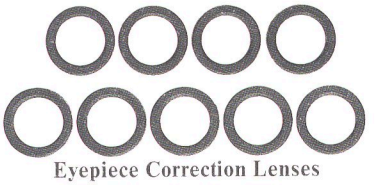
Type J: The microprism is great for general photography.

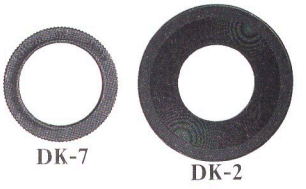
Type K: Features a matte Fresnel field with split-image rangefinder and microprism collar.

Type P: Split-image rangefinder, microprism and cross-hairs for composition make this screen ideal for general photography. Originally designed for Nikon space cameras.

Types G1 – 4: Perfect for shooting in dim light or for fast-moving subjects. There are four models available to match various focal lengths.




Eyepiece Correction Lenses



Finder Accessories

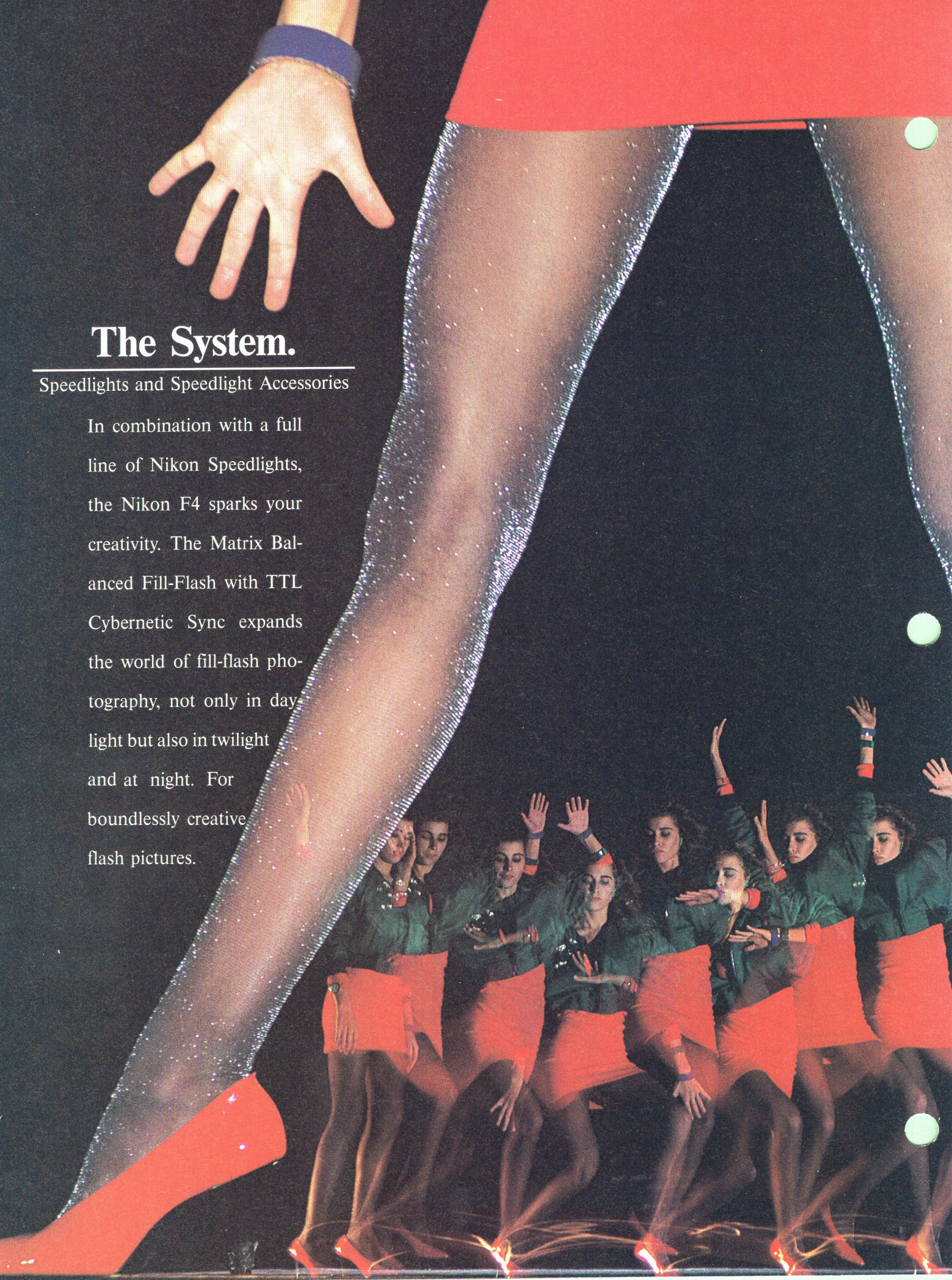
DR-3 Right-Angle Viewing Attachment
Provides an upright and unreversed image with right-angle viewing. Individual eyesight adjustment possible. Perfect for copy work.

DG-2 Eyepiece Magnifier
Gives 2x magnification of the central portion of the finder image. Eyesight adjustment is provided.

DK-7 Eyepiece Adaptor
Allows you to attach the DR-3 or DG-2 to the Multi-Meter Finder's eyepiece.

Eyepiece Correction Lenses
Same size models as those for the Nikon F3HP. These enable near-sighted and farsighted photographers to view the finder image accurately without having to wear their glasses. Five lenses are available, from -3 to + 2 diopters.

DK-2 Rubber Eyecup
Increases viewing comfort and prevents stray light from entering viewfinder.



The System.

Speedlights and Speedlight Accessories

In combination with a full line of Nikon Speedlights, the Nikon F4 sparks your creativity. The Matrix Balanced Fill-Flash with TTL Cybernetic Sync expands the world of fill-flash photography, not only in daylight but also in twilight and at night. For boundlessly creative flash pictures.

SB-24

SB-23


SB-22

SB-20

SB-16B

The brilliance you've been looking for.

Nikon SB-24 Speedlight
The Nikon SB-24 with built-in autofocus illuminator offers a choice of various functions—Matrix Balanced Fill-Flash with fully automatic exposure level compensation or TTL flash with manual flash exposure compensation. Non-TTL auto and Full manual. Rear-curtain sync and strobo-effect operation whose interval length between flashes, number of flashes (up to 8) per second and flash output amount can be selected. The flash coverage automatically adjusts for any focal length from 24 to 85mm because the lens information stored in the built-in microcomputer is transferred to the Speedlight SB-24.

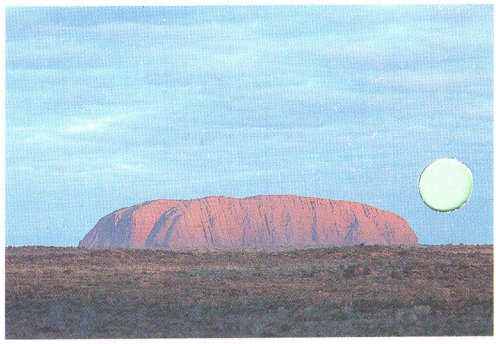
Perfect in perfect darkness, too
Dedicated Nikon Speedlights with autofocus illuminator that sends an LED-patterned beam of light to the subject, the SB-24, SB-23, SB-22 or SB-20 make it possible to take sharply focused pictures even in dark situations below EV minus 1 (ISO 100).

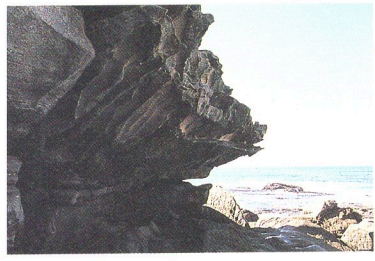
Nikon Speedlights SB-23/SB-22/SB-20
Each unit is equipped with an illuminator that enables autofocus even in total darkness. Various types of balanced fill-flash photography and other operations are possible.

Nikon TTL multiple-flash system
You can select any combination of Nikon Speedlights – SB-24, SB-23, SB-22, SB-20, SB-16B or SB-15 – and use them with the TTL remote or TTL multi-flash sync cord. The camera body's built-in sensor automatically measures and controls the light from all units.

The System.

Camera backs and remote control accessories





The Nikon F4 becomes a time machine.

Nikon Multi-Control Back MF-23

The optional MF-23 enables the imprinting of any of the following data: day, time, frame number, serial upcount number, fixed number, shutter speed/aperture and exposure compensation value. You can imprint the data both in-between and on the frames. In addition, the MF-23 enables the F4 to function in more advanced ways –

Interval Timer. Commencement time, interval time, number of shots taken and number of intervals can be input.

Exposure Delay. Remaining time before exposure and number of shots taken can be set.

Long Time Exposure. You can choose any duration from one second up to 999 hours, 999 minutes and 999 seconds.

Auto Bracketing. You can shoot up to 19 continuous frames, each with a different exposure.

Freeze Focus. Shutter is automatically released the moment the subject enters in-focus position.

Daily alarm, film alarm, film stop, and more.

Some of these functions work in combination, thus enhancing the F4's scope of applications.

Nikon Data Back MF-22

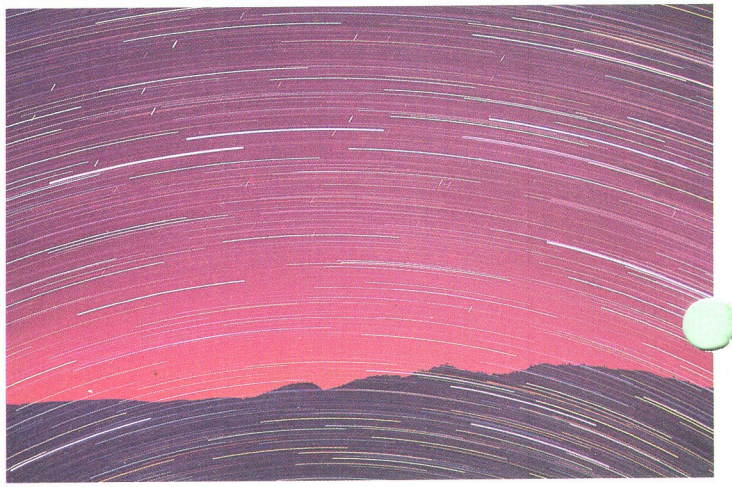
A compact alternative to the MF-23. It will imprint on the frame your choice of year/month/day, day/hour/minute (24-hour clock), month/day/year, or day/month/year – or leave the film as it is, with no imprint.

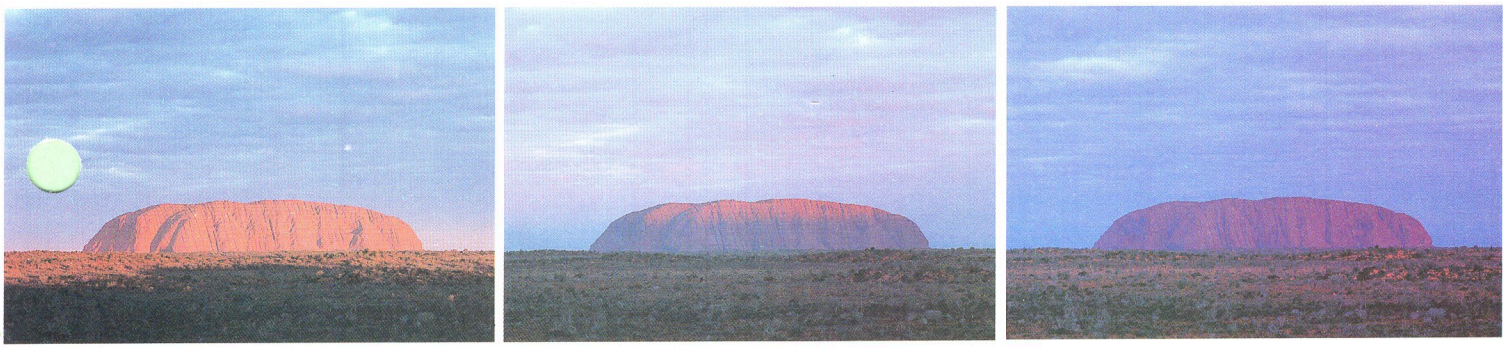
Nikon 250-Exp. Multi-Control Back MF-24

Especially recommended for sports or scientific/industrial applications, the MF-24 allows uninterrupted shooting of 250 exposures without changing film. Used with two 250-Exposure MZ-1 Magazines for loading up to 10m (33 ft.) of bulk film. Also, the MF-24 includes the same multi-control and other features as those of the MF-23. Power sources include the Nikon High Speed Battery Pack MB-21 or Nikon External Power Regulator MB-22.

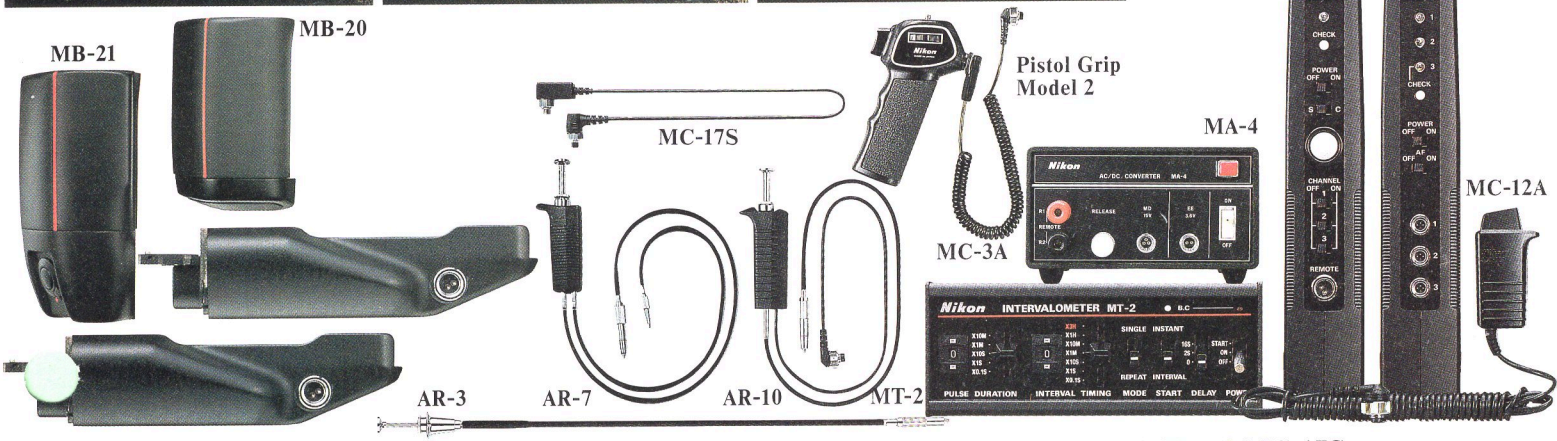
Remote Control Accessories

Everyone will like the Nikon F4's remote control accessories for unattended time-lapse photography or work sampling. The Radio Control Set MW-2 enables wireless remote control of up to three cameras as much as 0.7km (765 yards) away with modulated bursts of light, and the Remote Cord MC-12A for operating the camera from up to 3m (9.8 ft.) away. The quartz-controlled MT-2 Intervalometer and ML-1 Modulite Remote Control Set are also available.





▲ Interval Timer
◀ Auto Bracketing



Nikon Cable Release AR-3 and Double Cable Releases AR-7 and AR-10

Essential for slow shutter speeds, these cable releases ensure one-hand shutter release operation. The AR-3 and AR-7 plug into the release terminal of the camera body. The AR-10 plugs into the remote terminal of Nikon High Speed Battery Pack MB-21 or Nikon External Power Regulator MB-22.

Nikon Pistol Grip Model 2 and Connecting Cord MC-3A

Nikon's special grip can be screwed into either the camera's tripod socket or the tripod mounting collar of a super-telephoto lens to provide more stable handheld shooting. The MC-3A Cord plugs into the remote terminal of Nikon High Speed Battery Pack MB-21 or Nikon External Power Regulator MB-22.

Nikon F4s with MF-23 Multi-Control Back

Nikon Connecting Cords MC-17 and MC-17S

Either the MC-17 or MC-17S can be used to fire two cameras almost simultaneously. The MC-17 is approx. 3m (9.8 ft.) long; the MC-17S, approx. 0.4 (1.3 ft.).

Nikon Battery Pack MB-20

The MB-20, powered by four AA-type alkaline-manganese batteries, also serves as the F4's grip.

Nikon High Speed Battery Pack MB-21

The MB-21 consists of a base with battery holder and a grip unit, each of which contains three AA-type alkaline-manganese or NiCd batteries. Shutter release button with lock function is provided at the bottom of the grip – convenient when shooting with the camera held virtically. Also included are battery checker LEDs and a remote terminal.

Nikon External Power Regulator MB-22

The MB-22 consists of a grip, in common with the MB-21, and a main unit. 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 AC/DC Converter MA-4 and External Power Cord MC-11

Especially recommended when using the F4 for extended studio use. Supplies constant 15V DC current to the MB-22. The MC-11 Cord plugs into the external power terminal of the Nikon External Power Regulator MB-22.

Micro-Nikkor
55mm f/2.8

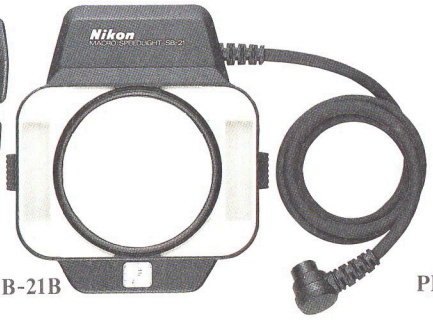
Micro-Nikkor
105mm f/2.8

Micro-Nikkor 200mm f/4

Medical-Nikkor
120mm f/4 IF

No. 0

AS-14



SB-21B

PB-6M

The System.

Close-up accessories

Discover the world of the microcosmos.

Nikon close-up equipment gives you access to the mysterious hidden world around you. Frees you to explore the microcosmos and record its secrets and breathtaking beauty. You discover familiar subjects in a totally new dimension; you see and examine a whole new range of textures and shapes. In a completely natural, true-to-life perspective.

And of course, all close-up accessories are built to Nikon's ultra-high professional standards.

Lenses for close-up

AF Nikkor 55mm f/2.8 for autofocus and manual focus from infinity to life-size reproduction; three other Micro-Nikkor lenses, including 200mm f/4, 105mm f/2.8 and 55mm f/2.8 for focus from infinity to 1/2 life-size, and also life-size with the addition of an extension ring. Use the TC-301 together with the Micro-Nikkor 200m f/4 and it becomes a 400mm f/8 which can focus from infinity to 1:1 life-size.

The Medical-Nikkor 120mm IF lens features a built-in ring-ht for automatic quick close-up photography.

Speedlight for close-up

The SB-21B TTL Macro Speedlight gives you a choice of flat front lighting or selective relief lighting with its dual-rotatable flash tubes. The SB-21B and the F4 automatically take care of exposure, while you work on the composition. The SB-21B also operates with manual control.

Nikon Close-up Attachment Lenses

The easiest, simplest way to get into close-up photography. Available models are 0, 1, 2, 3T, 4T, 5T and 6T. Lenses with "T" are for use with telephoto lenses and feature 2-element construction.

Nikon Auto Extension Rings

Compact and lightweight, Nikon Auto Extension Rings slide on and off your camera in seconds for a wide range of reproduction ratios. Models include the PK-11A, 12 and 13.

Nikon Bellows Attachment PB-6

Mounts between the F4 and the lens for close-up and macro photography. At the twist of a knob, you can vary lens extension at will, producing reproduction ratios from 1.1:1 up to 4:1 with a 50mm lens mounted normally. The lens can also be mounted in reverse to maintain aberration correction in the extreme close-up range. Optional accessories include PB-6E Extension Bellows, PB-6M Macro Copy Stand and PS-6 Slide Copying Adapter.

Nikon Repro-Copy Outfit PF-4

Enables you to make highly photographic copies of photographs, illustrations, drawings or diagrams.

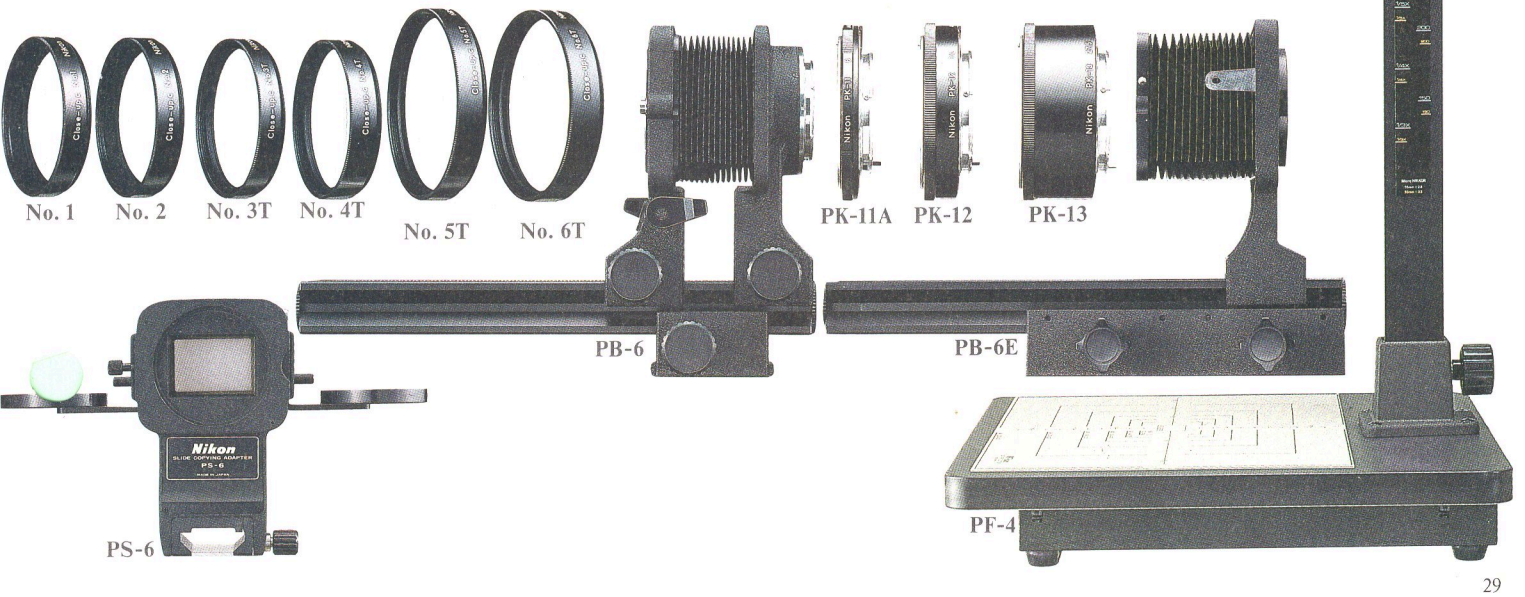
*With Nikon High Speed Battery Pack MB-21, use of Nikon Camera Holder Adapter PA-4 is required.

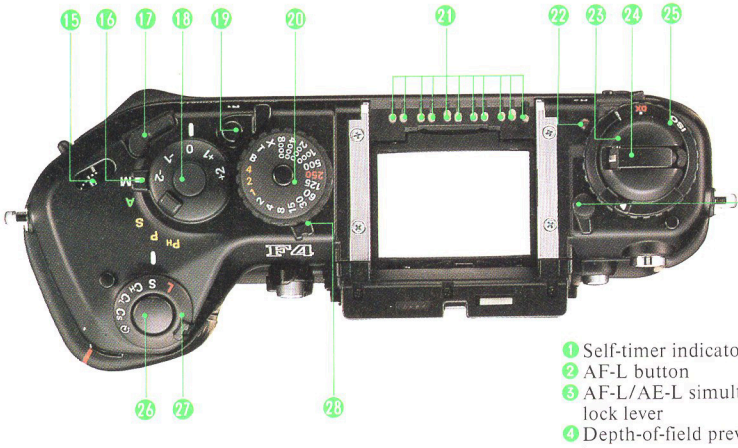
Nikon Macro Adapter Ring BR-2A

Fits between the camera and lens to enable lenses to be mounted in reverse; an inexpensive means of obtaining a relatively high reprodution ratio. The BR-2A also increases the working distance for normal or wideangle lenses.

Nikon Focusing Stage PG-2

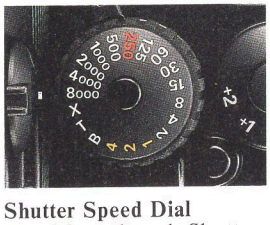
Simplifies close-up focusing when using a tripod-mounted F4.





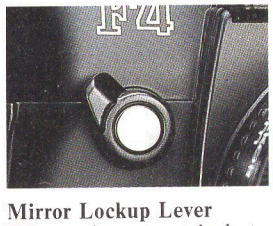
1. Self-timer indicator LED
2. AF-L button
3. AF-L/AE-L simultaneous lock lever
4. Depth-of-field preview button
5. Mirror lockup lever
6. CPU contacts
7. LCD illumination window (body side)
8. Sync terminal
9. Meter coupling lever
10. Reflex mirror
11. Lens release button
12. Focus mode selector
13. AE-L button
14. Remote terminal
15. Frame counter
16. Exposure mode selector
17. Multiple exposure lever
18. Exposure compensation dial
19. Film rewind lever (R1)
20. Shutter speed dial
21. Finder contacts
22. Alert LED
23. Film rewind knob
24. Film rewind crank
25. Film speed dial
26. Shutter release button
27. Film advance mode selector

Exposure Compensation Dial
Using the exposure compensation dial, you can compensate exposure within the range of ±2 EV in 1/3 EV increments. Because the exposure compensation mark and value appear in the viewfinder when the shutter release button is lightly pressed, you can set the compensation value with your eye on your subject through the viewfinder.

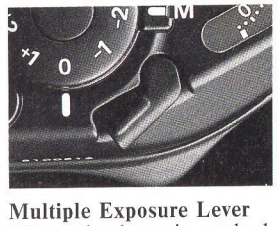


Shutter Speed Dial
For Manual and Shutter-Priority Auto Exposure, you can use any of 16 different shutter speeds from 4 sec. to 1/8000 sec. Three other settings — B (bulb), T (long-time exposure) and X (1/125 sec.) — are also possible. For P modes and A mode, the shutter operates steplessly from 30 sec. to 1/8000 sec.

Depth-of-Field Preview Button
By depressing the depth-of-field preview button, you stop the lens down to the aperture set, enabling you to examine depth of field before shooting. The viewfinder image normally darkens as the aperture gets smaller. Portions of the picture that appear in focus when the button is pressed are in the zone of sharpest focus.



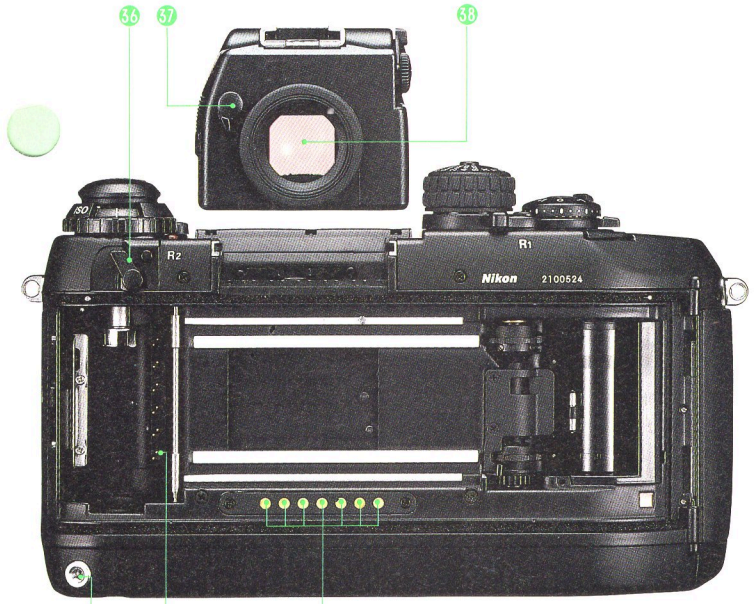
Mirror Lockup Lever
When using super-telephoto lenses or doing photomicrography, it is necessary to reduce camera vibration to the absolute minimum. To lock the reflex viewing mirror in the "up" position, push in the depth-of-field preview button and rotate the mirror lockup lever counterclockwise until it stops.

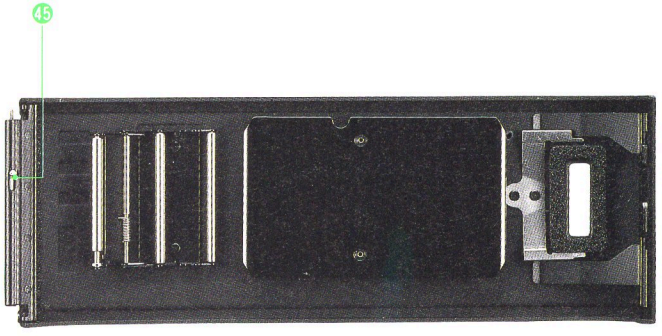


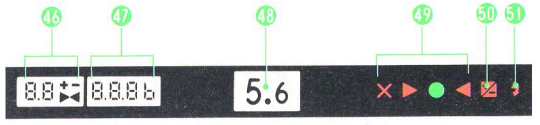
Multiple Exposure Lever
When the lever is pushed out to the ready position, you can release the shutter without advancing the film. It is automatically reset to the original position. To make more than two shots on the same frame, pull the lever before each additional exposure.

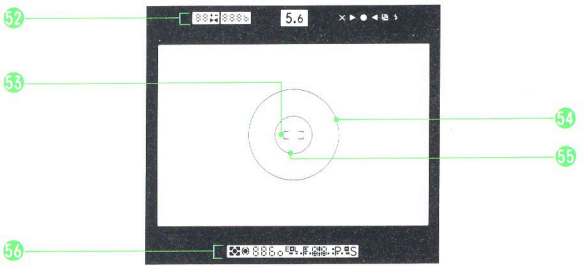
The basics.

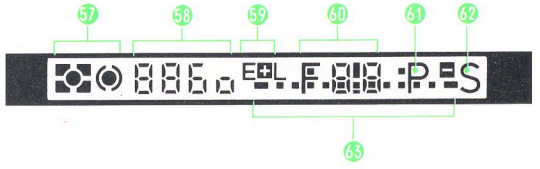
NOMENCLATURE

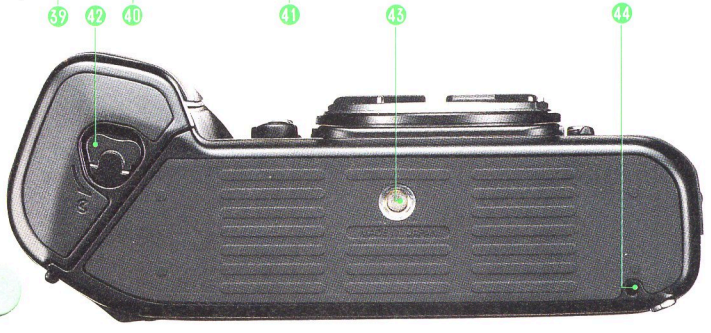












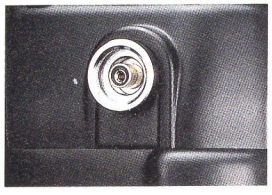
28 Viewfinder illuminator switch
29 Finder release lever
30 Diopter adjustment knob
31 Metering system selector
32 Compensation value scale window
33 MB-21's shutter release button
34 Accessory shoe

35 LCD illumination window (finder side)
36 Film rewind lever (R2)
37 Eyepiece shutter lever
38 Viewfinder eyepiece
39 Release terminal
40 DX contacts
41 Data back contacts
42 Release lever
43 Tripod socket

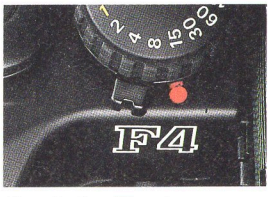
44 Guide hole
45 Camera back hinge release
46 Exposure compensation value
47 Frame counter
48 ADR (Aperture Direct-Readout)
49 Focus indicators
50 Exposure compensation indicator

51 Flash ready-light signal
52 Body side display
53 Focus brackets
54 12mm-dia. reference circle
55 5mm-dia. reference circle
56 Finder side display
57 Metering system
58 Shutter speed
59 AE-lock indicator

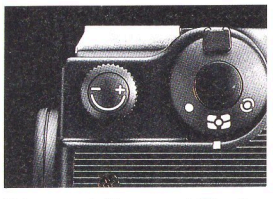
60 Aperture (P/S)
A (A)
No indication (M)
61 P (P)
No indication (S/A/M)
62 S (S)
No indication (P/A/M)
63 Electronic analog display (M)
No indication (P/S/A)



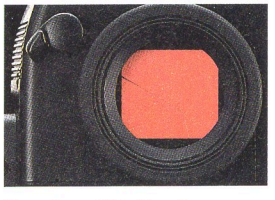
Sync Terminal
A separate sync terminal is provided on the F4. It accepts all standard PC type plug-in sync cords, and is threaded for use with a Nikon screw-in sync cord. this terminal to attach units which do not have the standard ISO hot shoe.



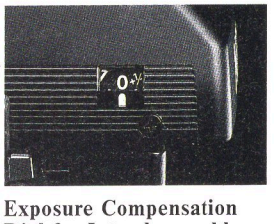
Viewfinder Illuminator Switch
When it's dark, use the viewfinder illuminator to light up all viewfinder information and ADR lens aperture. Turn the switch on, and lightly press the shutter release button to illuminate the display. The illuminator automatically switches off as the viewfinder display disappears.



Diopter Adjustment Knob
This knob enables near- or farsighted photographers to adjust eyepiece diopter within a continuous range from −3 to +1. Pull the dial and rotate it in either direction until focused image appears sharp, then push back.



Eyepiece Shutter Lever
During self-timer operation, in automatic exposure modes, use the eyepiece shutter to prevent light from entering the eyepiece and adversely affecting the automatic exposure meter reading. Just turn the lever to the left to close the shutter. The eyepiece shutter is painted red to provide a visual reminder that it's in use.

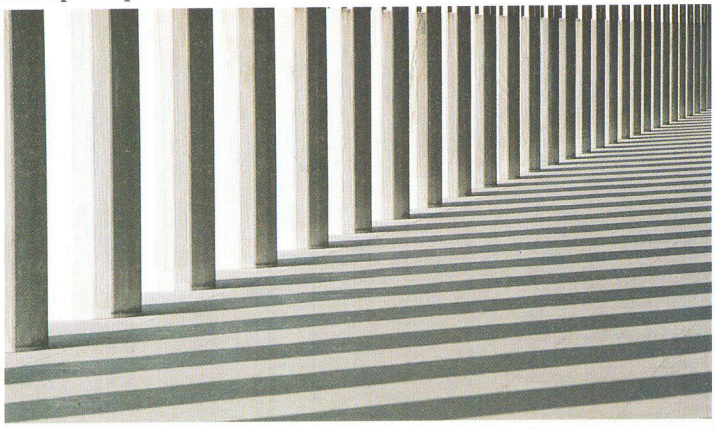


Exposure Compensation Dial for Interchangeable Focusing Screens
Because the light metering system is incorporated in the finder, it may be necessary to compensate the measured value when using certain interchangeable focusing screens. Compensation is within the range from −2 to +0.5 EV in 0.5 EV steps.

The camera.

Specifications

Type of camera: Integral-motor 35mm single-lens reflex
Picture format: 24mm × 36mm (standard 35mm film format)
Lens mount: Nikon F mount
Lenses usable: AF Nikkor lenses, and Nikon F-mount lenses
Focus modes: Manual focus with electronic rangefinder and Autofocus
Autofocus: *Autofocus detection system:* TTL phase detection system using Nikon advanced AM200 autofocus module
Autofocus detection range: Approx. EV minus 1 to EV 18 at ISO 100 (under Nikon inspection conditions)
Autofocus actuation method: Single Servo or Continuous Servo
Autofocus lock: Possible by lightly pressing shutter release button in Single Servo AF mode or by using AF-L button; simultaneous use with AE-L button possible
Electronic rangefinder: Available in Manual focus mode with AF Nikkor lenses, AI-type Nikkor lenses including AI-modified Nikkor lenses and non-AI-type Nikkor lenses with a maximum aperture of f/5.6 or faster
Exposure metering: Matrix Metering (with Multi-Meter Finder DP-20); Center-Weighted Metering (with Multi-Meter Finder DP-20 or AE Action Finder DA-20); Spot Metering (with any finder)
Exposure meter switch: Activated by lightly pressing shutter release button; stays on for approx. 16 sec. after lifting finger from button
Metering range: EV 0 to EV 21 at ISO 100 with f/1.4 lens; EV 2 to EV 21 with Spot Metering
Exposure control: Manual (M), and Programmed (P_H, P), Shutter-Priority (S) and Aperture-Priority (A) Auto Exposure
Auto exposure lock: Available by pressing AE-L button while meter is on
Exposure compensation: Possible using exposure compensation dial within ±2 EV range in 1/3 EV steps
Multiple exposure: Via lever



Depth-of-field preview button: Provides visual verification of depth of field; can be previewed in M or A mode; coaxial with mirror lockup lever
Reflex mirror: Automatic instant-return type with lockup facility
Shutter: Electromagnetically controlled vertical-travel focal-plane shutter; shutter balancer incorporated
Shutter release: Electromagnetic shutter by magnet trigger
Shutter speeds: Lithium niobate oscillator-controlled; controlled from 1/8000 to 30 sec. steplessly in P_H, P or A mode; set from 1/8000 to 4 sec. in one EV steps in M or S mode; B, T and X (1/250 sec.)
Viewfinder: Nikon Multi-Meter Finder DP-20 provided as standard; fixed eyelevel pentaprism high-eyepoint type; 0.7X magnification with 50mm lens set at infinity; approx. 100% frame coverage; metering system selector, diopter adjustment knob, accessory shoe, compensation dial for focusing screens and eyepiece shutter lever provided; interchangeable with Nikon AE Action Finder DA-20, Nikon 6X High-Magnification Finder DW-21 and Nikon Waist-Level Finder DW-20
Viewfinder information: By LCD — exposure compensation value, frame counter (additive type), metering system in use, shutter speed, aperture, exposure mode, electronic analog display, AE-Lock indicator; by ADR window — lens aperture; by LED display — focus indicators, exposure compensation mark and flash ready-light. Illuminator switch provided for dim-light viewing
Eyepoint: Approx. 22mm
Focusing screen: Nikon advanced B-type BriteView screen with central focus brackets for autofocus operation; interchangeable with 12 optional screens
Film speed range: ISO 25 to 5000 for DX-coded film; ISO 6 to 6400 in 1/3 EV steps for manual setting
Film speed setting: At DX position, automatically set to ISO speed of DX-coded film used; manual override possible
Film loading: Film automatically advances to first frame when shutter release button is depressed once
Film advance: In S (single frame) shooting mode, film automatically advances one frame when shutter is released; in C_H (Continuous high speed), C_L (Continuous low speed) or C_S (Continuous silent) shooting mode, shots are taken as long as shutter release button is depressed; shooting speed is approx. 5.7 fps (C_H), 3.4 fps (C_L) or 1.0 fps (C_S) — for Continuous Servo Autofocus, with AF Zoom-Nikkor 35-70mm f/3.3-f/4.5 lens, new six AA-type alkaline-manganese batteries, a shutter speed of 1/250 sec. or faster, at normal temperature.
Frame counter: Two additive types provided — on top of camera and inside viewfinder (LCD)
Film rewind: Choice of automatic or manual; automatically

rewinds when film rewind levers (R1) and (R2) are used; takes approx. 8 sec. per 36-exposure roll (with six AA-type batteries); stops automatically when film is rewound; manual rewind when R1 lever is used

Self-timer: Electronically controlled 10 sec. exposure delay; blinking LED indicates self-timer operation; cancellable

Camera back: Hinged back; interchangeable with Nikon Multi-Control Back MF-23 or Data Back MF-22

Accessory shoe: Standard ISO-type hot-shoe contact; ready-light contact, TTL flash contact, monitor contact

Flash synchronization: 1/60 to 1/250 sec. in P_H, P or A mode; in M or S mode, shutter fires at speed set, and when set from 1/250 to 1/8000 sec., shutter is automatically set to 1/250 sec.; down to 30 sec. shutter is available by using SB-24 in rear-curtain sync in P_H, P or A mode

Flash ready-light: Viewfinder LED lights up when Nikon dedicated speedlight is ready to fire; blinks to warn of poor camera/speedlight connection or insufficient light for correct exposure

Autofocus flash photography: Possible with Nikon Autofocus Speedlights SB-24, SB-23, SB-22 or SB-20

Power source: Nikon High Speed Battery Pack MB-21 (six AA-type alkaline-manganese or NiCd batteries), Battery Pack MB-20 (four AA-type alkaline-manganese batteries), External Power Regulator MB-22

Number of 36-exposure film rolls per set of fresh batteries:

Batteries		At 20°C (68°F)	At -10°C (14°F)
High Speed Battery Pack MB-21	Alkaline-manganese (LR6)	approx. 90	approx. 15
	NiCd batteries (KR-AA)	approx. 70	approx. 35
Battery Pack MB-20	Alkaline-manganese (LR6)	approx. 30	approx. 5

*For Continuous Servo Autofocus with AF Zoom-Nikkor 35-70mm f/3.3-4.5 lens, film advance mode selector at CH and a shutter speed of 1/250 sec. or faster.

Checking battery power: Battery power is sufficient if viewfinder LCD appears when shutter release button is lightly pressed; LCD remains on for approx. 16 sec. after finger is removed from button; battery power insufficient if LCD turns off immediately after finger is removed from shutter release button; if no data appears and shutter does not operate, batteries are exhausted or improperly loaded

Dimensions (W×H×D): With High Speed Battery Pack MB-21: 168.5 × 138 × 76.6mm (6.6 × 5.4 × 3.0 in.), with Battery Pack MB-20: 168.5 × 117 × 76.6mm (6.6 × 4.6 × 3.0 in.)

Weight (body only): With High Speed Battery Pack MB-21: approx. 1280g (45.1 oz.), with Battery Pack MB-20: approx. 1090g (38.4 oz.)

SB-24 Specifications:

Guide number: Approx. 50 at 85mm, 42 at 50mm, 36 at 35mm, 30 at 24mm (m, ISO 100)

No. of flashes (with fresh alkaline-manganese batteries at full output): 100

Special functions: Power zoom (24mm, 28mm, 35mm, 50mm, 70mm, 85mm), rear-curtain sync capability, repeating flash with choice of 2–8 flashes, adjustable flash intervals and output power, flash exposure compensation, auto power off, AF illuminator provided

Power source: Four 1.5V AA-type penlight batteries; external battery usable

Dimensions (W× H×D): 80 × 131×100mm (3.1×5.2×3.9 in.)

Weight (without batteries): 390g (13.8 oz.)

SB-23 Specifications:

Guide number: Approx. 20 (m, ISO 100)

No. of flashes (with fresh alkaline-manganese batteries at full output): 300

Special functions: Auto power off, AF illuminator provided

Power source: Four 1.5V AA-type penlight batteries

Dimensions (W×H×D): 64 × 67 × 84mm (2.5 × 2.6 × 3.3 in.)

Weight (without batteries): 140g (4.9 oz.)

MF-23/24 Specifications:

Usable film speed: ISO 25–3200

Imprint data: Day/Month/Year; Month/Day/Year; Year/Month/Day; Day/Hour/Minute; Hour/Minute/Second; frame number; serial upcount number (6 digits); fixed number (6 digits); shutter speed/aperture; no imprint

Imprint location: In frame, between frames, or both

Other functions: Interval-Timer, Exposure Delay, Auto Bracketing, Long Time Exposure, Freeze Focus, daily alarm, film alarm, film stop

Power source: Two CR2025 batteries

Dimensions (W×H×D): 160 × 56 × 30mm (6.3 × 2.2 × 1.2 in.)

Weight (without batteries): 120g (4.2 oz.)

MF-22 Specifications:

Usable film speed: ISO 32–3200

Imprint data: Day/Month/Year; Month/Day/Year; Year/Month/Day; Day/Hour/Minute; no imprint

Power source: One CR2025 battery

Dimensions (W×H×D): 160 × 56 × 22mm (6.3 × 2.2 × 0.9 in.)

Weight (without batteries): 100g (3.5 oz.)

F4 series cameras, Nikon offers two versions – Nikon F4s with High Speed Battery MB-21 containing six AA-type batteries, and Nikon F4 with Battery Pack MB-20 containing four AA-type batteries.

The Nikon autofocus SLR system is designed based on the premise that any of its components, such as the F4, F-801/N8008*, F-501/N2020**, F-401/N4004**, AF Nikkor lenses, TC-16A Autofocus Converter, Nikon speedlights and Nikon accessories will be used integrally, with one another.

AF Nikkor lenses electronically communicate all the necessary information required for perfect operation within current and future Nikon autofocus SLR systems. Nikon does not assume responsibility if malfunctions or damage occurs to the F4 when lenses and/or accessories of other makers are used with it. For these reasons, we recommend the use of AF Nikkor lenses and Nikon system accessories.

*Exclusively sold in U.S.A. **Exclusively sold in U.S.A. and Canada

Specifications and designs are subject to change without notice.

Lens Compatibility.

Lens List

Lens	Focusing		Exposure mode				Metering system		
	Autofocus	Manual w/electronic rangefinder	Programmed Auto	Shutter-Priority Auto	Aperture-Priority Auto	Manual	Matrix Metering	Center-Weighted	Spot Metering
AF NIKKOR									
AF 24-50mm f/3.3-4.5	●	●	●	●	●	●	●	●	●
AF 28-85mm f/3.5-4.5	●	●	●	●	●	●	●	●	●
AF 35-70mm f/2.8	●	●	●	●	●	●	●	●	●
AF 35-70mm f/3.3-4.5	●	●	●	●	●	●	●	●	●
AF 35-105mm f/3.5-4.5	●	●	●	●	●	●	●	●	●
AF 35-135mm f/3.5-4.5	●	●	●	●	●	●	●	●	●
AF 70-210mm f/4-5.6	●	●	●	●	●	●	●	●	●
AF 80-200mm f/2.8 ED	●	●	●	●	●	●	●	●	●
AF 24mm f/2.8	●	●	●	●	●	●	●	●	●
AF 28mm f/2.8	●	●	●	●	●	●	●	●	●
AF 85mm f/1.8	●	●	●	●	●	●	●	●	●
AF 180mm f/2.8 IF-ED	●	●	●	●	●	●	●	●	●
AF 300mm f/2.8 IF-ED	●	●	●	●	●	●	●	●	●
AF 300mm f/4 IF-ED	●	●	●	●	●	●	●	●	●
AF 50mm f/1.4	●	●	●	●	●	●	●	●	●
AF 50mm f/1.8	●	●	●	●	●	●	●	●	●
AF Micro 55mm f/2.8	●	●	●	●	●	●	●	●	●
ZOOM									
28-85mm f/3.5-4.5		●			●	●	●	●	●
35-70mm f/3.3-4.5		●			●	●	●	●	●
35-70mm f/3.5		●			●	●	●	●	●
35-105mm f/3.5-4.5		●			●	●	●	●	●
35-135mm f/3.5-4.5		●			●	●	●	●	●
35-200mm f/3.5-4.5		●			●	●	●	●	●
80-200mm f/4		●			●	●	●	●	●
50-300mm f/4.5 ED		●			●	●	●	●	●
100-300mm f/5.6		●			●	●	●	●	●
180-600mm f/8 ED					●	●		●	●
WIDEANGLE									
13mm f/5.6		●			●	●	●	●	●
15mm f/3.5	▲[1]	●			●	●	●	●	●
18mm f/3.5	▲[1]	●			●	●	●	●	●
20mm f/2.8		●			●	●	●	●	●
24mm f/2	▲[1]	●			●	●	●	●	●
24mm f/2.8	▲[1]	●			●	●	●	●	●
28mm f/2	▲[1]	●			●	●	●	●	●
28mm f/2.8	▲[1]	●			●	●	●	●	●
35mm f/1.4	▲[1]	●			●	●	●	●	●
35mm f/2	▲[1]	●			●	●	●	●	●
35mm f/2.8	▲[1]	●			●	●	●	●	●
NORMAL									
50mm f/1.2	▲[1]	●			●	●	●	●	●
50mm f/1.4	▲[1]	●			●	●	●	●	●
50mm f/1.8	▲[1]	●			●	●	●	●	●

Lens	Focusing		Exposure mode				Metering system		
	Autofocus	Manual w/electronic rangefinder	Programmed Auto	Shutter-Priority Auto	Aperture-Priority Auto	Manual	Matrix Metering	Center-Weighted	Spot Metering
TELEPHOTO									
AF 80mm f/2.8 (For F3AF)	▲[1]	▲[2]			●	●	●	●	●
85mm f/1.4	▲[1]	●			●	●	●	●	●
85mm f/2	▲[1]	●			●	●	●	●	●
105mm f/1.8	▲[1]	●			●	●	●	●	●
105mm f/2.5	▲[1]	●			●	●	●	●	●
135mm f/2	▲[1]	●			●	●	●	●	●
135mm f/2.8	▲[1]	●			●	●	●	●	●
180mm f/2.8 ED	▲[1]	●			●	●	●	●	●
200mm f/2 IF-ED	▲[1]	●			●	●	●	●	●
AF 200mm f/3.5 IF-ED (For F3AF)	▲[1]	▲[2]			●	●	●	●	●
200mm f/4		●			●	●	●	●	●
300mm f/2.8 IF-ED	▲[1]	●			●	●	●	●	●
300mm f/4.5		●			●	●	●	●	●
300mm f/4.5 IF-ED		●			●	●	●	●	●
400mm f/2.8 IF-ED		●			●	●	●	●	●
400mm f/3.5 IF-ED		●			●	●	●	●	●
400mm f/5.6 IF-ED		●			●	●	●	●	●
500mm f/4 IF-ED P	▲[1]	●	●	●	●	●	●	●	●
600mm f/4 IF-ED		●			●	●	●	●	●
600mm f/5.6 IF-ED		●			●	●	●	●	●
800mm f/5.6 IF-ED		●			●	●	●	●	●
REFLEX									
500mm f/8					●[3]	●[3]		▲[4]	
1000mm f/11					●[3]	●[3]		▲[4]	
2000mm f/11					●[3]	●[3]		▲[4]	
FISHEYE									
6mm f/2.8	▲[1]	●			●	●	●	●	●
8mm f/2.8	▲[1]	●			●	●	●	●	●
16mm f/2.8	▲[1]	●			●	●	●	●	●
SPECIAL PURPOSE									
PC 28mm f/3.5					▲[5]	▲[5]		▲[6]	
PC 35mm f/2.8					▲[5]	▲[5]		▲[6]	
Micro 55mm f/2.8	▲[1]	●			●	●	●	●	●
Noct 58mm f/1.2	▲[1]	●			●	●	●	●	●
Micro 105mm f/2.8	▲[1]	●			●	●	●	●	●
Micro 200mm f/4 IF		●			●	●	●	●	●
Medical 120mm f/4 IF		●				▲[7]		▲[6]	
UV 105mm f/4.5		●			●	●	●	●	●
NIKON SERIES E									
28mm f/2.8	▲[1]	●			●	●	●	●	●
135mm f/2.8	▲[1]	●			●	●	●	●	●

With the TC-16A Autofocus Converter with some exception (modified AI lenses cannot be used with TC-16A).

▲[2] In Single Servo autofocus mode with lens A-M switch set at M, shutter is not released unless in-focus indicator lights up inside viewfinder.

●[3] Aperture cannot be selected.

▲[4] Exposure compensation necessary. (See focusing screen's instruction sheet).

▲[5] Exposure determined by presetting lens aperture. Exposure must also be determined before shifting; in A mode, use AE-L button before shifting.

▲[6] Stop-down measurement possible. With aperture of f/5.6 or slower, set exposure compensation dial (or focusing screen exposure compensation dial for flash photography) to –1. With 400mm f/5.6 lens, compensate exposure to –1 when the lens aperture is set at f/8 or slower.

▲[7] With shutter speed set to 1/125 sec. or slower. Flash necessary.

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