

ALL NEW

Nikon *N8008*
Ultra High Speed Performance

AF

A FUSION OF ART AND SCIENCE



- Exclusive Nikon Matrix Metering System
- Matrix Balanced Fill-Flash with TTL Cybernetic Sync
- Unprecedented 1/8000 second shutter speed
- World's fastest, most responsive autofocus system
- 3.3 frames per second — the fastest among built-in motor AF SLRs
- Nikon Lens and System compatibility



Translate your creative vision
into images that perfectly reflect it.



The Nikon N8008 is the perfect instrument fusing photographic science with creative artistry. Nikon has pushed the limits of SLR technology to new heights with the N8008. Inspired by the N8008's superiority — its advanced features and finely crafted design — you will find new worlds of creative expression opening up to you.

Combining classic 35mm SLR excellence with advanced mechanical and electronic technology, the N8008 exemplifies Nikon's dedication to camera research and development.

If you could see inside the N8008, you would recognize the craftsman's touch in its mechanical construction, silky-smooth gearing and careful selection of ideal materials. Brilliant electronic circuitry and computerized controls are your path to input creative ideas.

Look: Ultra-fast autofocus, even in dim light. Or clear, precise manual focusing through the high eyepoint finder and on the advanced BriteView screen. A versatile Matrix Metering System powered by computer for unequaled auto exposure control. Matrix Balanced Fill-Flash with flash sync up to 1/250 sec. for superior flash photography. An unprecedented, fast metal shutter with 1/8000 sec. top speed. High-speed built-in motor drive using technology derived from Nikon's experience in developing space cameras for NASA. Electronic precision. Plus the Nikon lens mount for unequaled lens compatibility and concise controls. All in a sleek, ergonomically designed single-lens-reflex camera that will stimulate you into taking and *making* pictures just as you envision them.

You make, rather than just take, pictures. Like a painter's brushes and oils, the N8008's controls and features — centralized in a convenient Command Input Control dial — serve as the tools for your imagination. And whether you're new to the Nikon System or have enjoyed using it for years, Nikon System compatibility and versatility are there to challenge you.

Nikon gives automation a new dimension. With its superior performance, the Nikon System supports the creative ideas of the serious photographer, yet leaves little room for technical error. So you can use all those marvelous high-tech tools at your command to pin down, forever, The Moment.



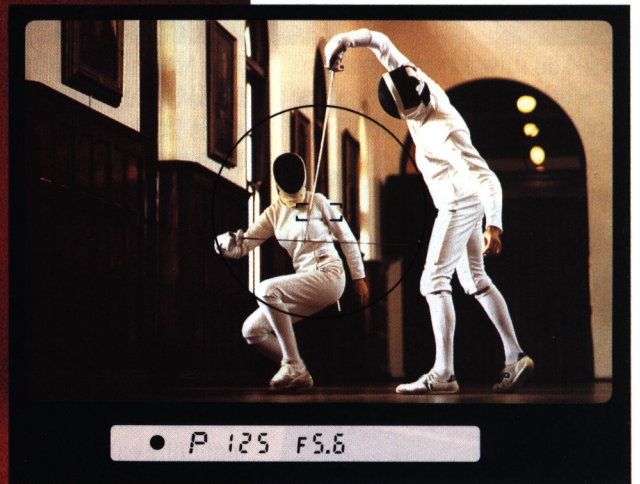
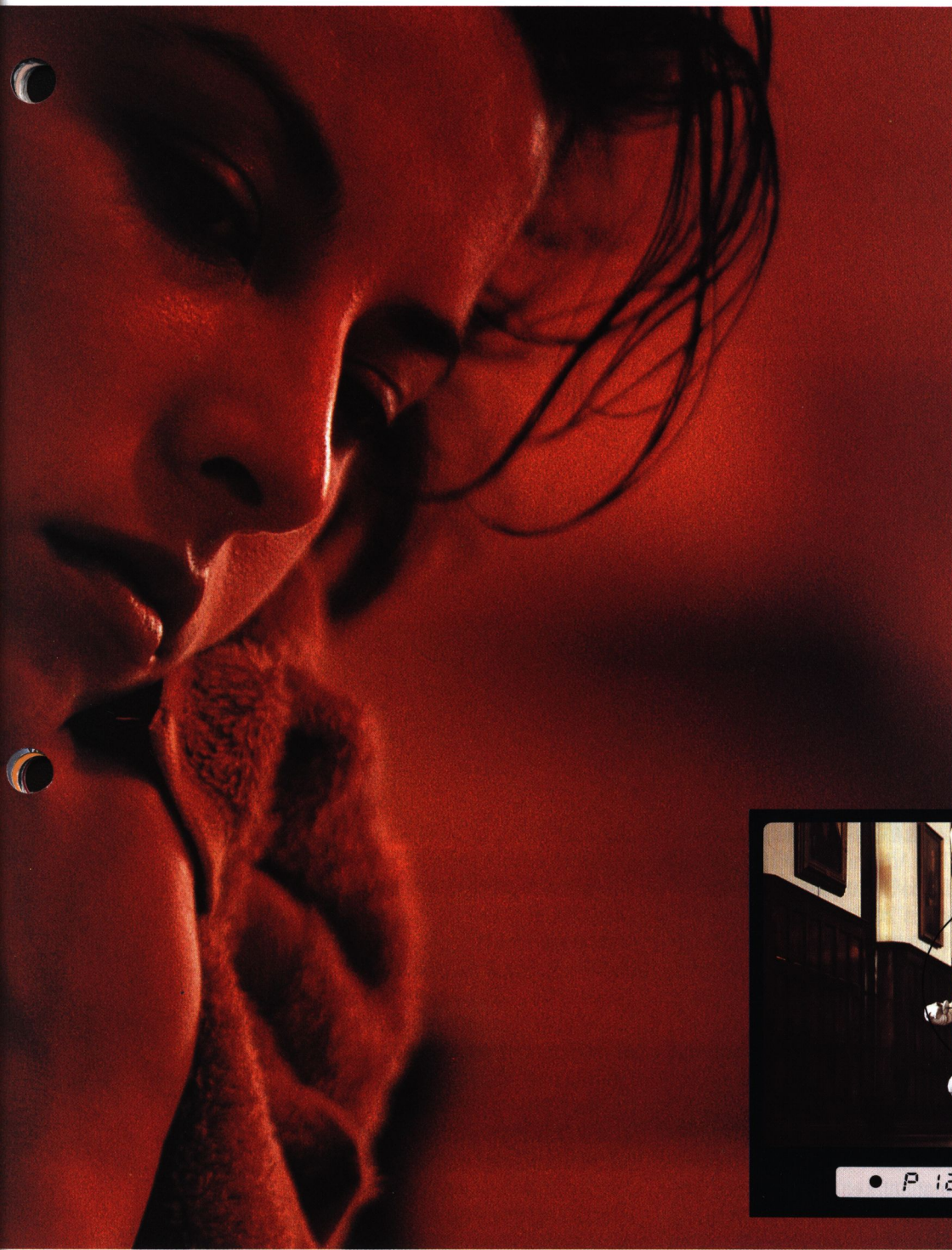
F O C U S I N G

Faster and more precise — even where there's

Look! The N8008's electronics are the latest word in focusing technology and performance. The advanced autofocus system assures ultra-fast focusing that's second to none and its electronics add new dimension to manual focusing precision. It detects low-contrast scenes and minute subject detail, even those that can elude the human eye, in light as low as EV *minus 1*. That's less than the light from one candle!

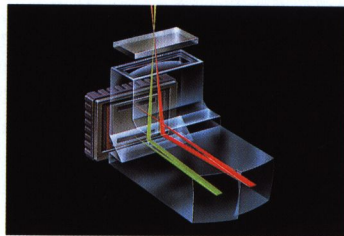
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Autofocus.
EV minus 1



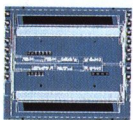
little light.





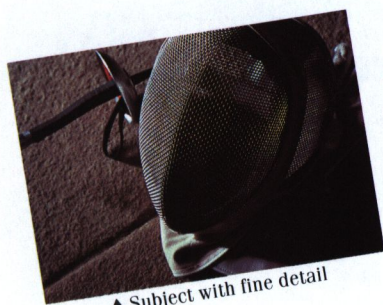
"ADVANCED AM200" AUTOFOCUS SENSOR MODULE

You'll find the N8008 auto-focusing at an incredibly high speed, even in situations where other autofocus cameras are likely to give up. Credit Nikon's new "Advanced AM200" autofocus sensor module for that. This one-piece optical block with new 200 CCD (Charge Coupled Device) sensors offers superior response speed and an enhanced detection capability, even under extremely low-light conditions — as low as EV *minus 1* (ISO 100).

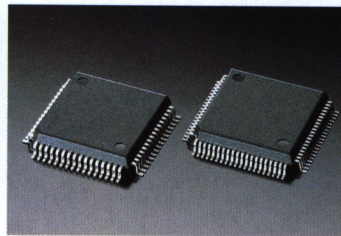


200 CCDs FOCUS SENSORS

The Advanced AM200 Autofocus Sensor Module incorporates 200 superior-sensitivity CCD elements that contribute to the N8008's high response speed and expanded focusing capability, making it more effective at sensing low contrast and fine detail in dim light. With the largest number of CCD sensors available in an AF SLR, whether focusing manually or autofocus, the Advanced AM200 module has no peers in focus detection.



▲ Subject with fine detail



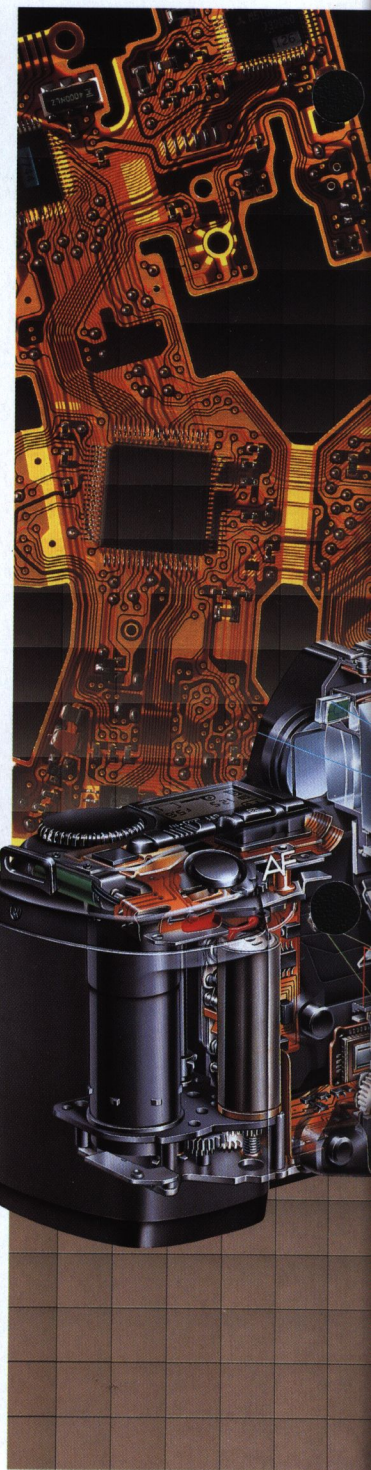
HIGH-SPEED COMPUTERS

The built-in 8-bit computer uses special software that quickly processes the focus information obtained by the 200 CCD sensors. For autofocus, three computers in all — two in the camera body and one in the AF-Nikkor lens — work together using specially designed, exclusive Nikon software. They process all autofocus data precisely to ensure fast, responsive AF operation.



"CORELESS MOTOR"

For autofocus operation, the Nikon N8008 uses a "coreless" motor built into its body to drive autofocus AF Nikkor lenses. This compact motor has more than enough power, *by itself*, to drive any AF Nikkor lens, including the large telephotos. The stepless motor boasts higher torque, quicker acceleration and higher efficiency. This assures quick starts and stops for superfast, precise autofocus operation.



FOCUSING

The Nikon N8008's advanced focusing system is the result of the integration of electronic sensors, high-speed microcomputer computation and a super-responsive body-mounted "coreless" autofocus motor. AF performance extends to EV *minus 1* — a breakthrough in low-light autofocus sensitivity.



SINGLE SERVO AUTO-FOCUS (S)

For quick and easy autofocus photography, there's the N8008's Single Servo autofocus shooting mode. This mode virtually assures that you cannot take an out-of-focus picture — because the shutter won't fire until your subject is in focus.



CONTINUOUS SERVO AUTO-FOCUS (C)

To track moving subjects, try the Nikon N8008's Continuous Servo AF mode. In this mode the N8008's autofocus system follows your subject *as it moves*. The shutter is not locked so you can fire away anytime you want to capture the action.



AUTOFOCUS LOCK (AFL)

This is great for creative composition. In Single Servo shooting, you simply depress and hold the shutter release button, halfway, as you change composition. In the Continuous Servo mode, you lock focus by pressing the Autofocus Lock button; you then recompose the picture and shoot.

▼ Continuous Servo Autofocus



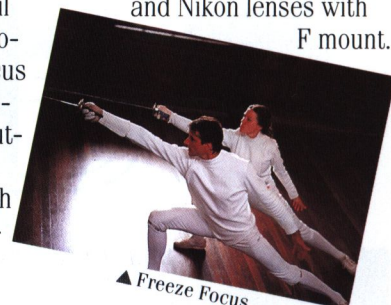
MANUAL FOCUS (M) WITH THE ELECTRONIC RANGE FINDER

Of course, you can always manually focus on the N8008's advanced BriteView screen confidently. Because in the manual mode, you use the electronic range finder — more versatile than optical range finders — for image sharpness that's more consistent and precise than the human eye can detect.

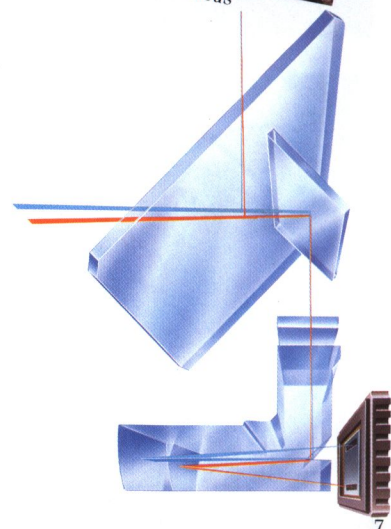
"FREEZE FOCUS"

The optionally available MF-21 Multi-Control Back offers "Freeze Focus." The camera waits until the subject comes into a pre-focused distance in Manual Focus (M) mode. As soon as the subject reaches this point, the shutter is released automatically. Perfect for sports races in which the running course is predictable. Also suited for wildlife remote-control photography, scientific, forensic and other technical photography. This

accessory works with all Nikon lenses which are compatible with the N8008, including AF Nikkor, and Nikon lenses with F mount.



▲ Freeze Focus



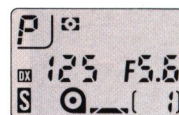
METERING



The image you perceive is what you get with the

Look! The Nikon N8008's new Matrix Metering System evaluates lighting in a way similar to the way the photographer's eye and mind do. Outdoors on sunny days, shooting near a window, doing landscapes at night — even in the most difficult and harshly lit or low-light situations — the Matrix Metering sensors detect the subject... the system's microcomputers perform their evaluation... then give the picture optimum exposure. All automatically.

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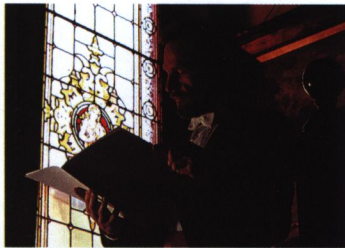


Matrix Metering

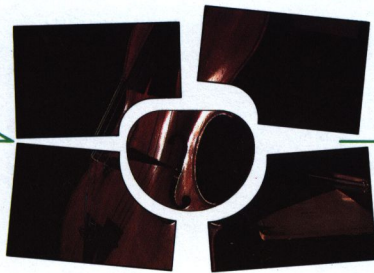


new, exclusive Nikon Matrix Metering System.

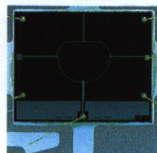




Complex lighting scenes taken by conventional center-weighted metering



Matrix Sensor



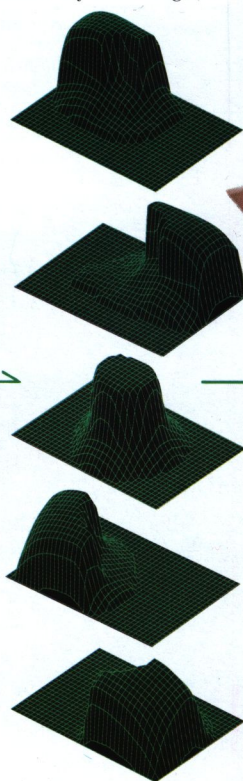
MATRIX METERING

Nikon's 1983 innovation, multi-segment

metering addressed the problems of diverse lighting conditions by using a built-in computer and specially designed Nikon software. It instantly evaluated the scene, based on a comprehensive matrix of different brightness and contrast combinations, determining the optimum computation method — Low-Brightness Weighted, High-Brightness Weighted, Average or Center-Segment — to obtain the best possible exposure, even for an off-center subject.

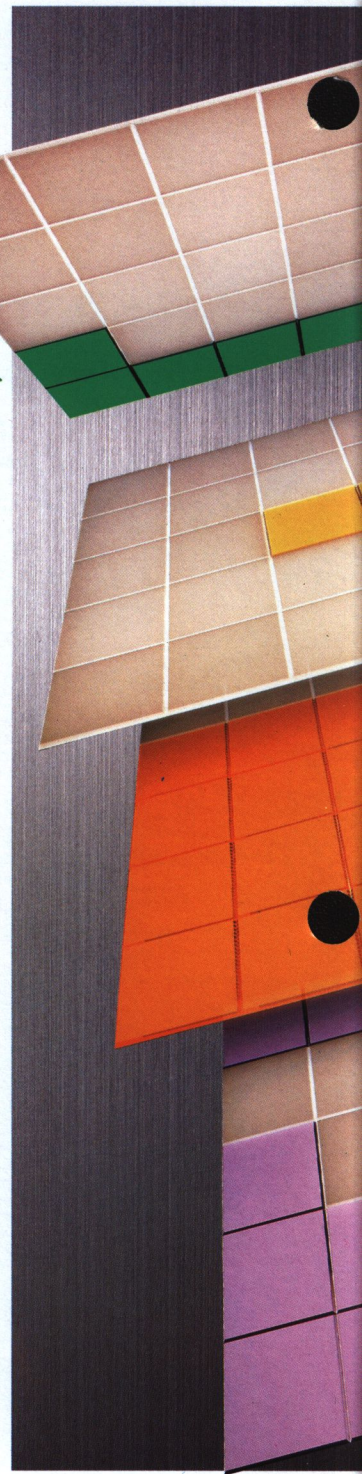
And now with its new, more powerful computer and advanced Nikon software, Matrix Metering accomplishes automatic exposure control even in extremely complex lighting

Sensitivity of five-segment SPD



conditions. Nikon's long years of experience in and expertise with automatic exposure metering design have resulted in more sensitive, more "thoughtful" scene evaluation — as though the metering system has become part of the photographer's eye itself.

To top it all, the Nikon N8008 provides exposure compensation control, manual ISO control and an Auto Exposure Lock to allow you to fine-tune the Matrix Meter to your taste and to overcome the most complex lighting conditions. It also integrates its capability with flash photography, assuring Matrix Balanced Fill-Flash with complete automation.



METERING

Nikon's exclusive Matrix Metering System goes beyond conventional available light metering, providing the experience of professional metering techniques in a fast-response automatic system. Utilizing the Nikon N8008's computer power, four metering techniques are employed — Low-Brightness Weighted, High-Brightness Weighted, Average Metering and Center-Segment Metering; it's a simulation of the photographer's eye and mind.

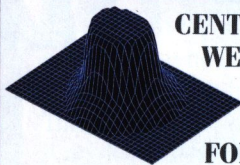
THE MATRIX

The Nikon N8008 segments the scene into sets of brightness and contrast classifications that together comprise a 5×5 matrix with slots containing one or more algorithm patterns. Upon reading of additional data, for instance, which segment is brighter and by how

much, Matrix Metering appropriates the suitable algorithm pattern for the scene, then outputs the optimum exposure value. All instantly and automatically. Matrix Metering is conceptually the essence of a professional's techniques for light metering.

Center-Segment
High-Brightness Weighted
Average
Low-Brightness Weighted

Center-Weighted 75/25 metering

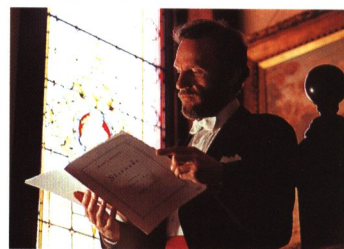


CENTER-WEIGHTED 75/25 METERING FOR CREATIVE CONTROL

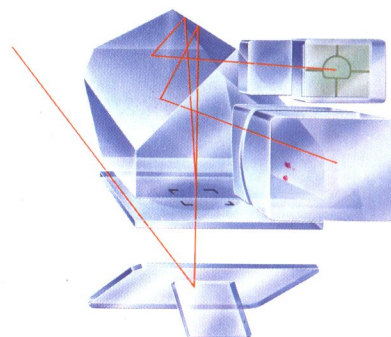
And for the times when you want to do it yourself, go ahead, override Matrix Metering and try

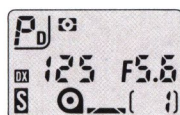
Nikon's new Center-Weighted 75/25 Exposure Metering System, using the Command Input Control dial. This newly developed Nikon Center-Weighted meter con-

centrates 75% of its sensitivity in the center of the viewfinder, outlined by a 12mm circle. The balance of 25% is "feathered" out toward the edges. This improves Nikon's original innovation and makes the new Center-Weighted meter a more advanced tool. You should also know that when Nikon lenses other than the AF Nikkors and Nikkor lenses with a built-in CPU, such as the 500mm f/4 IF P, are used with the Nikon N8008, metering is always center-weighted.



The most complex lighting conditions overcome by Matrix Metering.





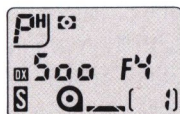
DUAL PROGRAM

With the Nikon N8008

set to "PD" (Dual Program), the exposure program appropriate for the focal length of the lens in use is automatically selected. If you're using an AF Nikkor lens 135mm or longer, or if your AF Nikkor zoom lens is set past 135mm, the N8008 will automatically shift from the Normal to the High-Speed Program, so the higher shutter speeds in use can help overcome camera shake or subject movement. Hi-tech computer communication between Nikon lens and camera makes this automatic override possible.

Program Chart

Note the Normal Program and High-Speed Program curves. In scenes with very bright parts, such as snow and sand scenes or those with the sun in the picture area, the brightness usually exceeds EV 16-1/3 (ISO 100). This will generally cause underexposure of the image. Matrix Metering senses this situation and automatically controls the exposure to overcome the effects of the harmful brightness and assure optimum exposure results.



MANUAL CHOICE OF NORMAL AND

HIGH-SPEED PROGRAMS

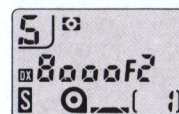
If you want more depth of field when using an AF Nikkor telephoto lens, choose Normal Program "P". But if you want to freeze the action with a normal AF Nikkor lens, try the High-Speed Program "PH" because it is designed to select a faster shutter speed than the cam-

era's microcomputer would with Normal Program. These choices give you greater creative freedom.

FLEXIBLE PROGRAM

In any Programmed (PD, P, PH) mode, you can still change the combination of shutter speed and aperture by turning the Command Input Control dial, obtaining a correct exposure. So, even though the Nikon N8008 is on automatic pro-

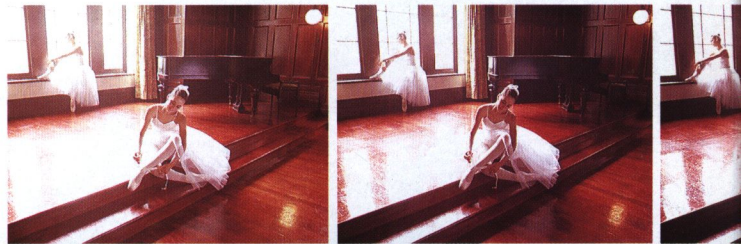
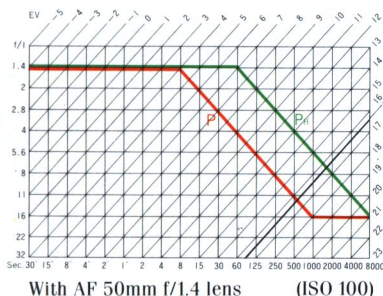
gram operation, you still have user-creative opportunities.



SHUTTER PRIORITY

Use an AF Nikkor or

Nikkor with built-in CPU, such as the 500mm f/4 IF P; you choose the shutter speed, and the camera chooses the best matching aperture. Perfectly suited to those situations when you prefer using high shutter

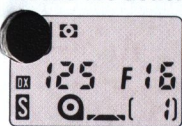


E X P O S U R E

Look! Full options for greater creative freedom.

From the comprehensive Programmed modes to full manual control to many more creative exposure overrides including automatic bracketing, the Nikon N8008 gives you more opportunities to transform your creative vision into creative images. Automatic exposure is perfect for spontaneous situations where you have little time or control; manual is perfect for situations where you have the time to be more involved in the picture-making process. Either metering system, Matrix or Center-Weighted, works with all exposure modes.

speeds like 1/8000 sec. to freeze the action.

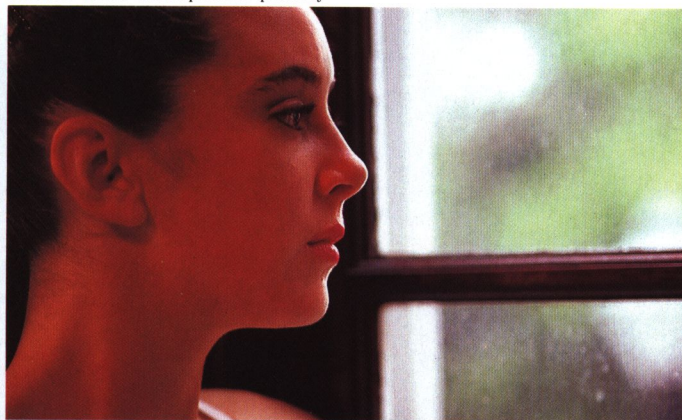


APERTURE-PRIORITY

Use any Nikon lens; you

choose the aperture, and the camera chooses the correct shutter speed. Small apertures like f/11 or f/16, for instance, are suited for great depth of field, and larger apertures like f/1.4 or f/1.8 are for dramati-

Shallow focus with aperture-priority

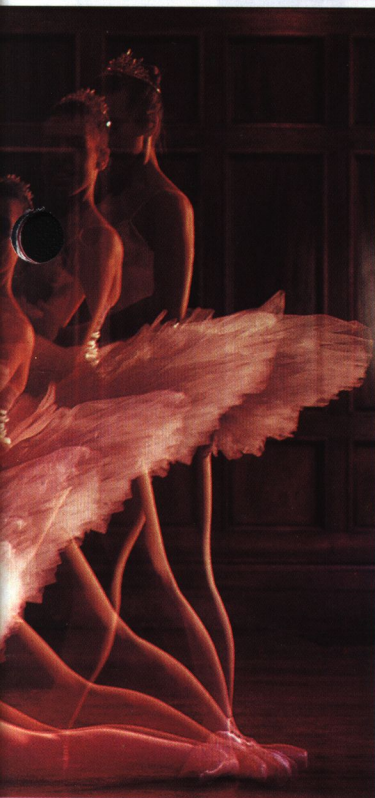
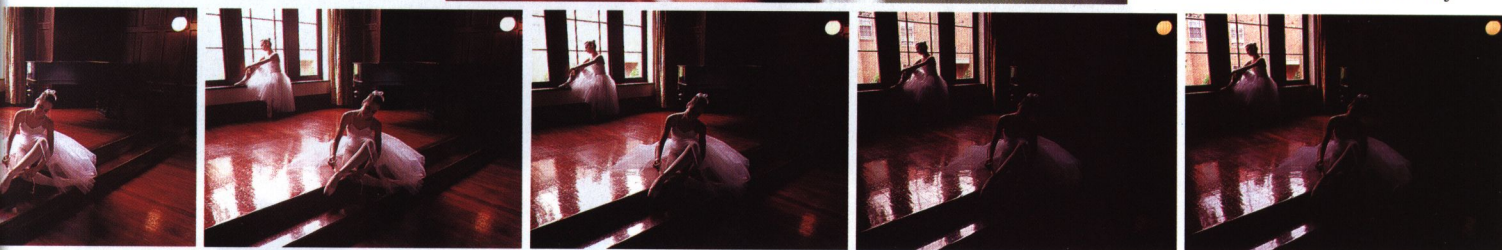


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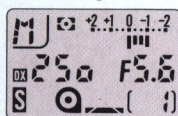
want to change composition or if you want to put creative emphasis on a specific part of the picture.

AUTO BRACKETING

Choose the optional Nikon MF-21 Multi-Control Back, and auto exposure control bracketing becomes another creative tool. You have a choice of either 1/3 or 1/2 EV steps, selectable up to 19 consecutive frames, more than any



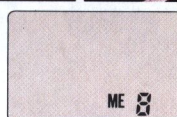
cally shallow focus. This exposure mode, using the lens aperture ring for greater precision, is perfect for technical and scientific applications, such as photomicrography.



MANUAL EXPOSURE

If you want to control exposure, choose both shutter speed and aperture manually. The electronic analogue and data displays inside the viewfinder and on top of the camera inform you of your settings, should these deviate from the metered exposure value — so you really never have to take your eye off your subject. Any deviation from correct exposure value is displayed in precise 1/3-step settings. Perfect exposure with any Nikon bayonet mount lens.

Multiple Exposure
(Continuous, 8 exposures)



VERSATILE MULTIPLE EXPOSURE CAPABILITY

You can also take up to nine exposures on the same frame. Go ahead, challenge the artist in you with the Nikon N8008's multiple exposure capability which works in either the single or continuous shooting mode. The single mode is suited for incorporating various subjects onto a single frame or for shooting fireworks. Continuous mode is suited for capturing a sequence of an action such as a golf swing, or dancing.

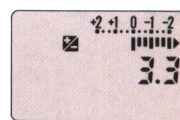


AE-LOCK

This "memorizes" the metered exposure value — Matrix or Center-Weighted. Great for situations where you

▲ Auto Bracketing
(+3, +2, +1, 0, -1, -2, -3)

other system. So you can produce a variety of exposures for the same subject, each one suiting specific needs and/or tastes.

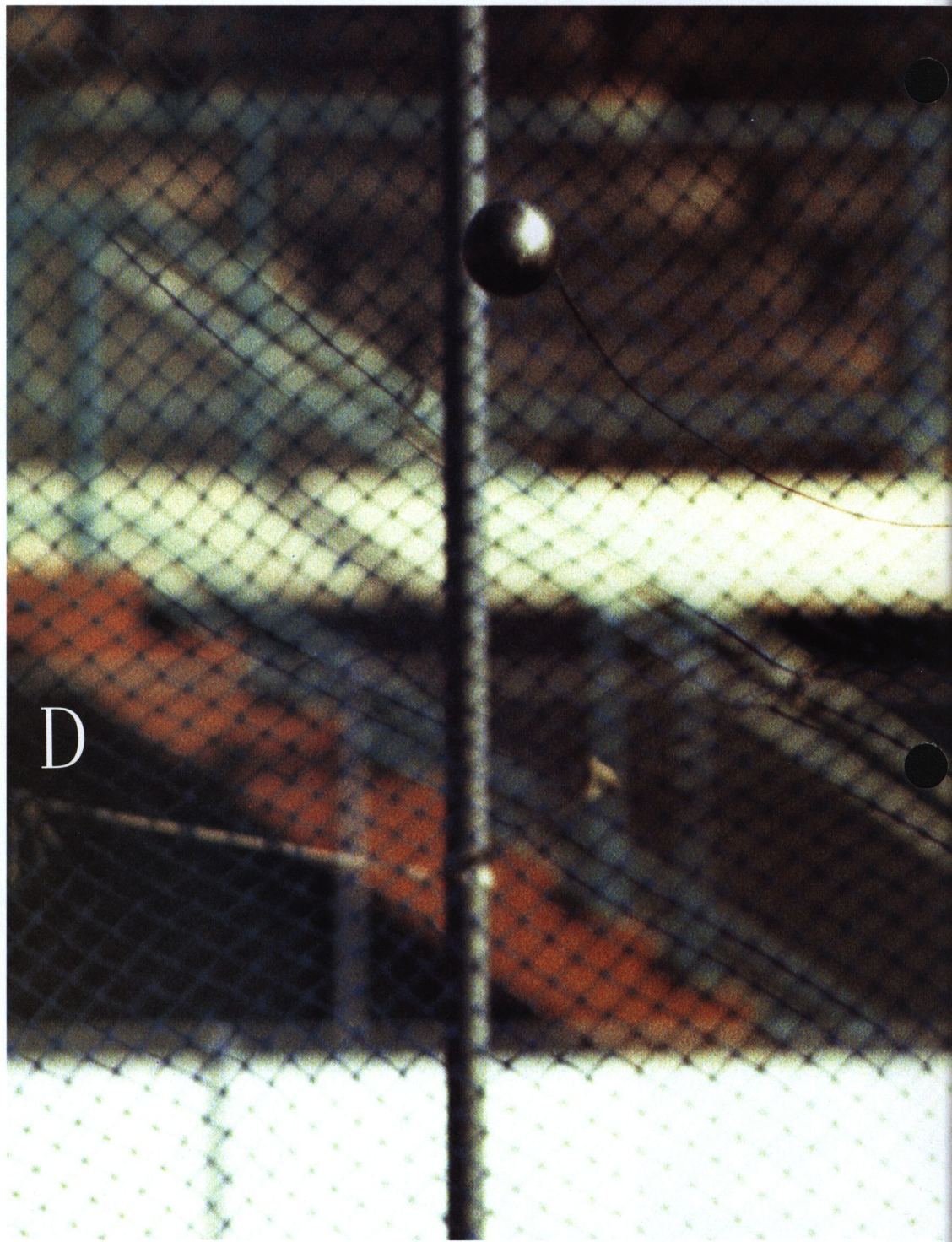


EXPOSURE COMPENSATION

Exposure compensation ranges from -5 to +5 EV in increments of 1/3 EV — fine enough for delicate exposure control. Useful for unusual lighting conditions or if you want to creatively control the tone (i.e., for high-key or low-key effects). This feature allows you to finely adjust exposure to your taste.



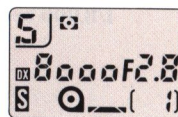
S P E E D



At 1/8000 sec., no other 35mm SLR camera on

Look! Wondrous images shot at a shutter speed of 1/8000 sec. — that's twice as fast as anything currently available in 35mm SLR photography. This amazingly fast shutter speed enables you to capture subjects previously almost impossible to shoot. Now, new worlds of creative possibilities are yours to explore.

A FUSION OF ART AND SCIENCE



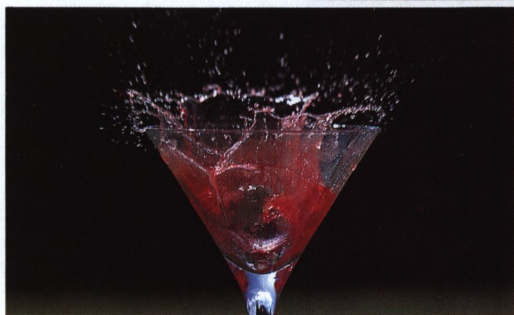
1/8000 sec.



earth is faster.



1/8,000 sec.



1/2,000 sec.



1/500 sec.

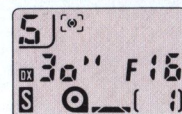
30 sec.



TOP 1/8000 SEC.

The challenge
of creating

super-high shutter speeds has never been easy. In 1982, Nikon introduced the 1/4000 sec. top shutter speed. Now, challenging the very limits of technology, we have come up with an unprecedented top shutter speed of 1/8000 sec. The vertical-travel aluminum-alloy shutter curtains used in the Nikon N8008 provide rugged, reliable operation throughout the 30 sec. to 1/8000 sec. shutter speed range. Just one example of how Nikon advances technology for all Nikon photographers!



WIDE SPEED SELECTION

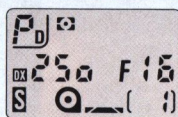
For manual control and in Shutter-Priority operation, fixed shutter speeds from 30 sec. to 1/8000 sec. can be selected to finely match the needs of most picture-taking situations.

In the Programmed and Aperture-Priority modes, the N8008 offers continuously variable shutter speeds.

SPEED

The Nikon N8008 scores a breakthrough with the world's fastest shutter speed of 1/8000 sec., complemented by a flash sync speed of 1/250 sec. Moreover, the N8008 allows continuous shooting up to 3.3 frames per second — the world's fastest among AF SLRs with built-in motor drive. These features make the N8008 the perfect tool for capturing *any* moment.

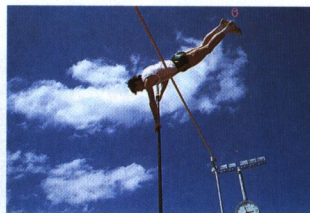
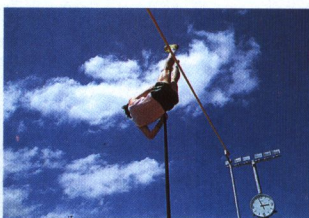
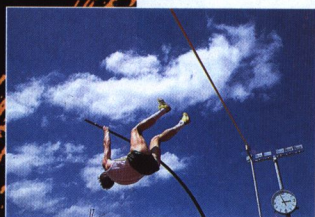
1/250 sec. flash

**HIGH-SPEED FLASH SYNC**

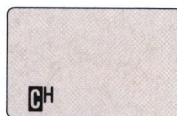
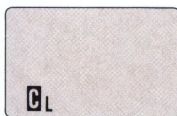
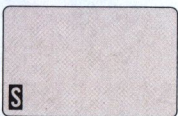
Photographers with an eye

for daylight fill-flash photography will appreciate the up to 1/250 sec. sync speed. This high shutter speed allows you to open the lens aperture wider in daylight fill-flash photos; you

can also capture moving subjects crisply without blur and reduce image "ghosting." In combination with Nikon Speedlights including the Nikon SB-24, high-speed flash sync becomes yet another creative tool to stimulate your imagination. (see pp. 18-21)



Sequence shooting (CH),
3.3 frames per second

**BUILT-IN MOTOR DRIVE**

So slim and quiet, you hardly realize it's there. Yet, at its peak speed of 3.3 frames per second (fps), the N8008's motor drive is the fastest among AF SLRs with built-in motors — perfect for shooting sports. You

get a choice of three firing speeds, too — single (S), sequence shooting of up to 2.0 fps (CL), and sequence shooting of up to 3.3 fps (CH). With the N8008, you can fine-tune even motor-driven photography!

Shutter unit



Aluminum alloy
shutter curtains



Bounce flash

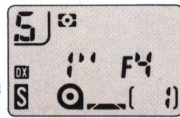
FLASH



The most brilliant pictures any time, anywhere

Look! In combination with a full line of Nikon Speedlights, the Nikon N8008 can really spark your creativity, bringing inspiration to every photographic situation. The Matrix Balanced Fill-Flash with TTL Cybernetic Sync expands your world of fill-flash photography, not only in daylight but also in twilight and at night — never before possible automatically. Plus boundlessly creative flash picture opportunities. Automatically, or as you will.

Matrix Balanced Fill-Flash
at night



Matrix Balanced Fill-Flash in daylight



Conventional center-weighted metering

and under any conditions.



Cybernetic Sync

Cybers are associated with science fiction, but the N8008's flash capability brings them to reality. The N8008's computers exercise cybernetic control, automatically adjusting the camera's shutter and lens aperture to correspond to exposure requirements. Together, Matrix Balanced Fill-Flash and Cybernetic Sync make the most complicated flash assignments simple and easy.

MATRIX BALANCED FILL-FLASH WITH CYBERNETIC SYNC

Typically, when taking flash pictures, the subjects become brightly illuminated, but background lighting can vary dramatically. This is particularly true when the main subject is very close, and the background is relatively dark or only moderately bright.

Matrix Balanced Fill-Flash balances both the subject and background illumination, automatically. How? Matrix Metering adjusts for the background and the TTL flash exposure level, so the flash illumination is balanced and won't overpower the foreground subject. This creates a natural and pleasing effect, filling in harsh shadows and bringing out main subject detail without losing the correct background exposure.

This system operates automatically: based on a combination of general scene brightness and contrast, the exposure value for the background is determined by one of five com-

putation methods: Low-Brightness Weighted, Center-Segment, Average, High-Brightness Weighted, or Very-High-Brightness Weighted. Flash exposure value is controlled in a similar way. The combination of ambient light and flash light is balanced to produce a natural and pleasing effect.

Matrix Balanced Fill-Flash is available when using the N8008 with any AF Nikkor or Nikkor with a built-in CPU and a Nikon Speedlight — SB-24, SB-23, SB-22, SB-20, SB-18, SB-16B or SB-15. With Center-Weighted Metering mode, similar results are available using any Nikon lens.

Moreover, the N8008's Matrix Balanced Fill-Flash works not only in bright light situations, but also in twilight and at night. Your creative options are further enhanced because the N8008's Matrix Balanced Fill-Flash capability is multi-mode: it works with the the N8008's Program modes, Aperture-Priority and Shutter-Priority and even in Manual exposure control mode. In any mode, sync speed and/or aperture are cybernetically controlled to provide correct background/foreground balance.


With Shutter-Priority, the Matrix Balanced Fill-Flash enables the choice of all sync speeds from 1/250 sec. to 30 sec. Imagine the creative results you can get shooting a cityscape of night lights with automatic flash exposure for foreground subjects.

With "A" mode, you can select the aperture and the camera selects the correct sync speed, within the range of 1/60-1/250 sec., corresponding to the correct background exposure.

With Manual, you control both aperture and shutter speed while the flash exposure is determined by scene brightness and contrast, with Matrix Balanced Fill-Flash control throughout.

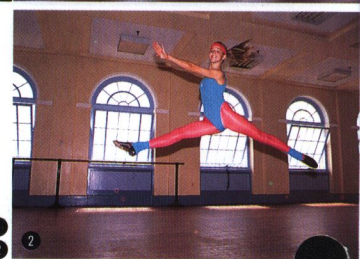
It's all done automatically, in scenes as dark as EV Zero (ISO 100). All thanks to Matrix Balanced Fill-Flash and Cybernetic control.

CREATIVE OVERRIDES WITH TTL CYBERNETIC SYNC

By setting the SB-24 Speedlight to "TTL ", you can cancel the Matrix Balanced Fill-Flash while maintaining correct background exposure. That is, the flash exposure level is not automatically adjusted by the scene's brightness and contrast. This is ideal for you to manually control the flash exposure level and create your own precise image by selecting from +1 EV to -3 EV (commanded by you and the SB-24).

Even when the camera is on Center-Weighted Metering, with the SB-24 set on the Fill-Flash position, TTL flash exposure is automatically compensated by -2/3 EV within the controlled shutter speed/aperture range, producing a natural effect in daylight fill-flash shooting. Perfectly suited for when you want to intentionally control the background exposure.

Matrix Balanced Fill-Flash (S mode)

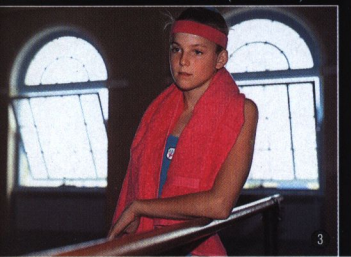


1/30 sec. ①
1/250 sec. ②

FLASH The Nikon N8008 and the Nikon SB-24 — a dazzling combination for creative flash photography through advanced Cybernetic Sync and Matrix Balanced Fill-Flash with rear-curtain flash sync.



Matrix Balanced Fill-Flash (A mode)



3 f/2.8
4 f/5.6

**REAR-CURTAIN SYNC**

The Nikon SB-24 Speedlight makes it possible to fire flash just before the shutter curtain closes — especially effective at slow shutter speeds. This results in the available light turning into a stream of light following the flash-illuminated subject.

PERFECT IN PERFECT DARKNESS, TOO

Dedicated Nikon Speedlights with autofocus illuminators that send 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 SB-24 SPEEDLIGHT

The powerful SB-24 with built-in autofocus illuminator offers a choice of various functions — “Fill-Flash” (Matrix Balanced Fill-Flash or Center-Weighted Fill-Flash), “TTL” (TTL flash shooting without TTL exposure level compensation), “A” (non-TTL auto), and “M” (manual

◀ Rear-Curtain Sync ▼ Normal flash sync



▲ Repeating Flash

flash control). Strobo-effect operation can also be selected which emits a certain level of flash output consecutively; the interval length between flashes, number of flashes (up to 8) per second and flash output amount can be selected. The flash head rotates for bounce flash photography and its flash coverage automatically adjusts for any focal length from 24 to 85mm because the lens information stored in the built-in CPU is transferred to the Speedlight SB-24 in real time,

thus enabling control of the SB-24's zoom head. Of course, flash coverage can be controlled manually too, offering you creative options such as spot lighting. And for your reference, all basic information related to flash photography is shown on the camera's LCD displays. The SB-23 is a compact alternative. Also usable with the N8008 for balanced fill-flash photography and other operations are the Nikon SB-22, SB-20, SB-16B and SB-15.

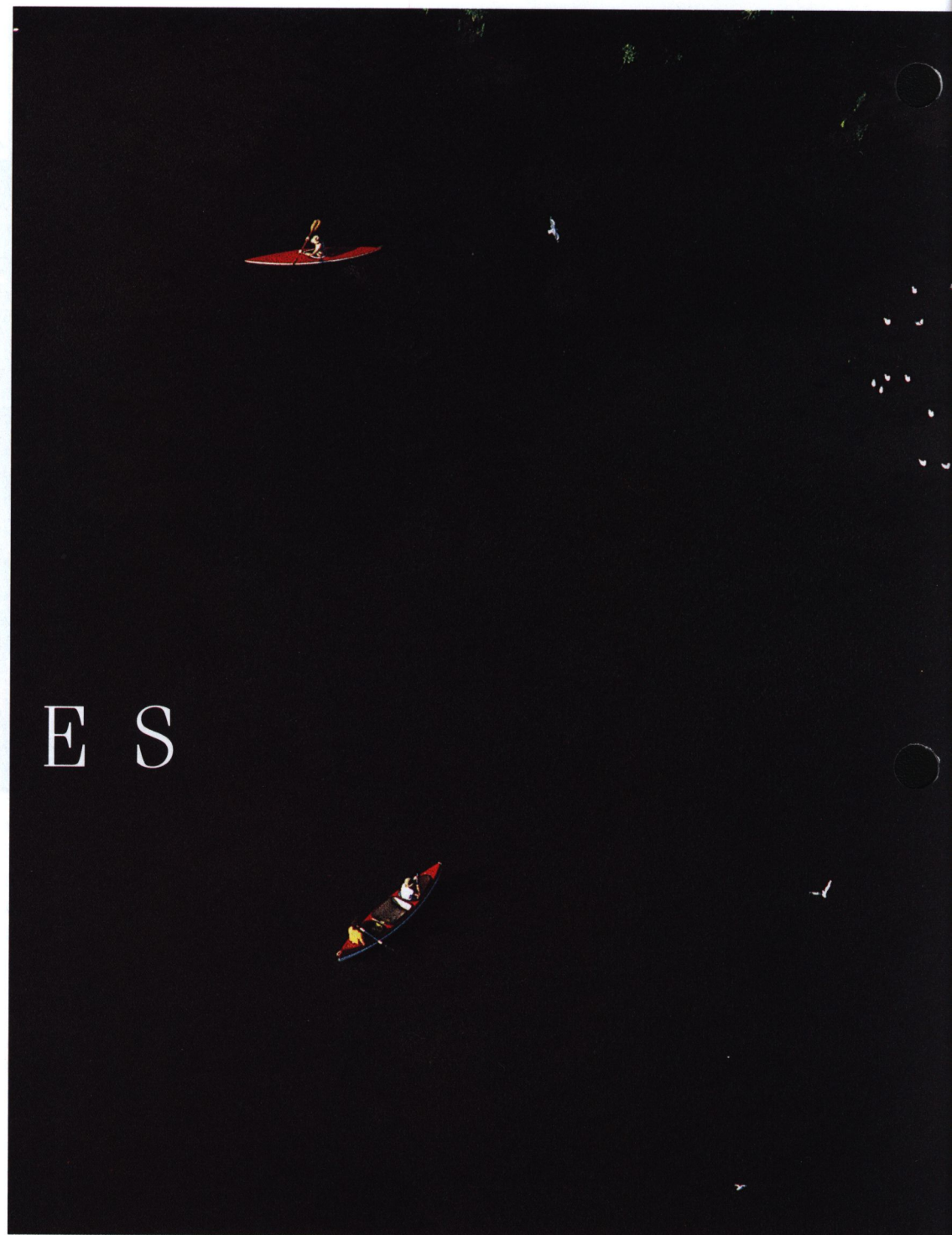


Speedlight SB-24



Speedlight SB-23

LENSES



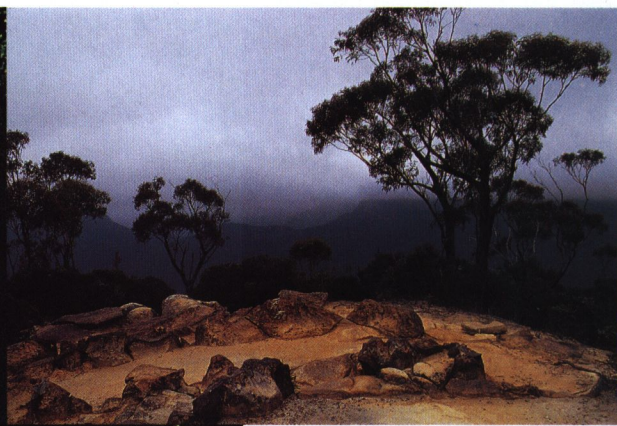
When it comes to images, not even the sky is

Look! Nikon defies obsolescence! Mount nearly any Nikon F-mount lens on the N8008 and take advantage of 1/8000 top speed, Electronic Focusing, new 75/25 TTL Center-Weighted Metering, Center-Weighted Fill-Flash, Aperture-Priority Automation, Manual, compact built-in motor drive and more. Choose an AF Nikkor, with built-in computer, and also get Matrix Metering, Matrix Balanced Fill-Flash, Autofocus operation, Programmed exposure control and Shutter preferred automation, plus more! Never before has a 35mm SLR provided such capability. And there

are more than eighty Nikon lenses in all.

The N8008 accepts world-renowned Nikon optics such as Micro, Perspective Control, Super Wide and Telephoto, Medical Nikkor and more. Focus automatically or manually and get superbly sharp and colorful results.

All Nikon lenses are made of the finest optical glass produced in Nikon's own glassworks. Technological innovations include Nikon Integrated Coating for superior contrast and color rendition, Close-Range Correction (CRC) for exceptional quality from near to far and Extra-low Dispersion



35mm

300mm

the limit.

(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, Nikon's variety is unmatched, each lens delivering the kind of image quality professionals around the world have long depended on. With their built-in microcomputers, AF Nikkors offer swift autofocus response. Used manually, all Nikon lenses are silky smooth and easy to handle. Nikkor and Nikon and you — what a winning combination!





AF Zoom-Nikkor
24-50mm f/3.3-4.5



AF Zoom-Nikkor
28-85mm f/3.5-4.5



AF Zoom-Nikkor
35-70mm f/2.8



AF Zoom-Nikkor
35-70mm f/3.3-4.5



AF Zoom-Nikkor
35-105mm f/3.5-4.5



AF Nikkor
24mm f/2.8



AF Nikkor
28mm f/2.8



AF Nikkor
50mm f/1.4



AF Nikkor
50mm f/1.8



AF Nikkor
85mm f/1.8



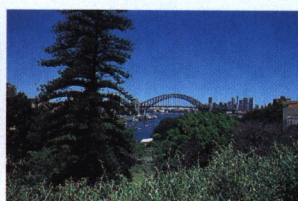
AF Nikkor 180mm f/2.8 ED-IF



8mm



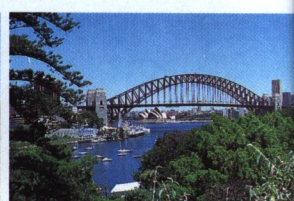
16mm



20mm



28mm



50mm

Lens List

Lens List		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	AF 70-210mm f/4.5-5.6	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 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 55mm f/2.8	ZOOM	28-85mm f/3.5-4.5	35-70mm f/3.3-4.5	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	200-400mm f/4 ED	180-600mm f/8 ED	WIDEANGLE	13mm f/5.6	15mm f/3.5	18mm f/3.5		
Focusing	Autofocus	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	▲ ¹	▲ ¹	
	Manual w/electronic range finder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Exposure mode	Programmed Auto	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Shutter-Priority Auto	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Aperture-Priority Auto	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Manual	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Metering system	Matrix Metering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Center-Weighted	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

▲¹ With the TC-16A Autofocus Converter with some exception (modified AI lenses cannot be used with TC-16A).

▲² Aperture cannot be selected.

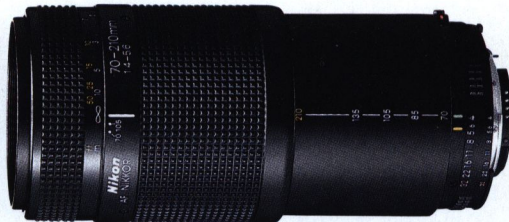
▲³ Unless shifted.

LENSES

Virtually all Nikon lenses interface optically and mechanically with the Nikon N8008, offering a wide array of superior operations. AF Nikkor lenses also interface optically, mechanically and electronically with the N8008 camera body. With a built-in microcomputer, the AF lens communicates with the camera body for maximum performance.



AF Zoom-Nikkor 35-135mm f/3.5-4.5



AF Zoom-Nikkor 70-210mm f/4-5.6



AF Zoom-Nikkor 80-200mm f/2.8 ED



AF Nikkor 300mm f/2.8 ED-IF



AF Nikkor 300mm f/4 ED-IF



**AF Micro Nikkor
55mm f/2.8**



Autofocus Converter TC-16A



05mm



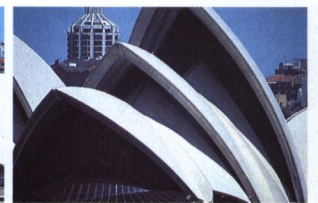
200mm



400mm



800mm



1000mm

[illegible]

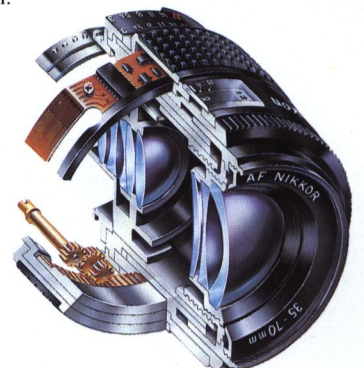
▲⁴ Exposure determined by presetting lens aperture. Exposure must also be determined before *shifting*; in A mode, use AE Lock lever before shifting.

▲⁵ With shutter speed set to 1/125 sec. or slower. Flash necessary.

- AF Nikkor lenses for the Nikon F3AF may cause misoperation.

Lens Microcomputer

Unlike simpler read-only memories, a high-speed CPU in each AF Nikkor gives the Nikon system faster communication and response. Real-time control of autofocus and auto exposure enables you to pin down The Moment.



UNBOUNDED CREATIVITY



NIKON MF-21 MULTI-CONTROL BACK

The optional Nikon MF-21 Multi-Control Back, perfectly suited to technical and scientific applications, is bound to be the choice of serious photographers. The MF-21 enables the imprinting of any of the following data: date, time, frame number, serial upcount number, fixed number, and shutter-speed/aperture. In addition, the MF-21 enables the control of camera functions in more advanced ways —

Interval-timer function: You simply key in the command — e.g., commencement time, interval time, no. of pictures each time, and no. of intervals — and



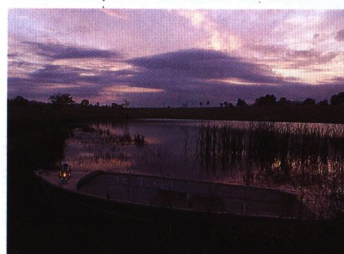
the N8008 does the rest.

Long time exposure: Your choice of any duration from 1 second up to 99 hours, 59 minutes and 59 seconds. Automatic shutter close at preset

time enables unattended operation — perfect for scientific or technical applications.

Auto bracketing: Up to 19 consecutive exposures with values gradually shifted from metered value. (Your choice of any odd number of frames from 3 to 19); compensation values range from 1/3, 1/2, 2/3, 1, 1-1/3, 1-1/2, 1-2/3 to 2 EV steps.

"Freeze Focus": In this mode, the N8008 "waits" until the subject comes into a prefocused distance; the shutter is auto-



matically released the moment the subject enters the in-focus position.

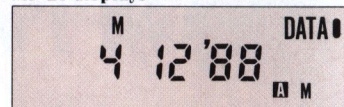
And since some of these functions work in combination — e.g., interval-timer and long exposure; or interval-timer and auto bracketing — the N8008's scope of applications is further enlarged.



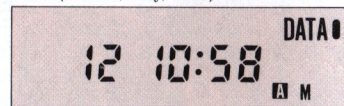
Interval-timer
(30 minutes interval)



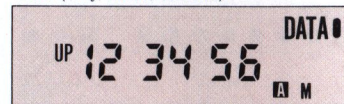
MF-21 displays



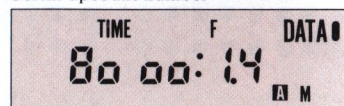
Date (Month, Day, Year)



Time (Day, Hour, Minute)



Serial upcount number



Shutter speed/aperture

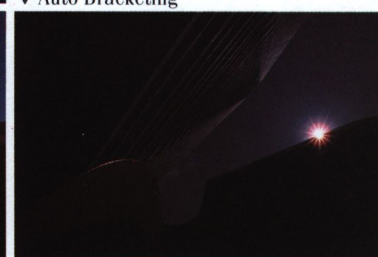
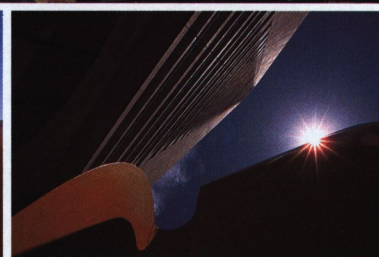
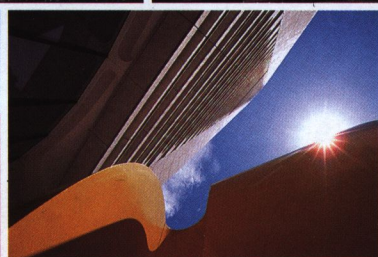
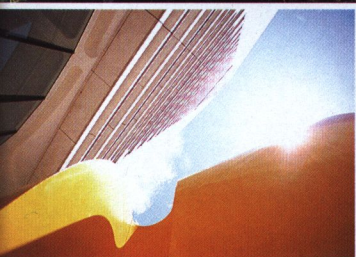
Look! The Nikon N8008's optional multi-control and data backs put you in charge of a myriad of picture-making possibilities.

◀ Freeze Focus



A FUSION OF ART AND SCIENCE

▼ Auto Bracketing



Long Time Exposure (2 minutes)



Nikon MF-20 Data Back
The simplified version of the MF-21. Imprints date and time. Quartz-controlled timing.

UNBOUNDED CREATIVITY



LENSES FOR CLOSE-UP

Serious photographers have long enjoyed the excitement and challenge of close-up photography. Nikon's Micro-Nikkor optics have led the way with crystal detailed clarity. The system includes: 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 focus from infinity to 1/2 life-size, and also to life-size with the

addition of an extension ring. Use the TC-301 together with the Micro-Nikkor 200mm f/4 and it becomes a 400mm f/8 which can focus from infinity to 1:1 lifesize!

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

SPEEDLIGHTS 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 N8008's electronics automatically take care of exposure, while you work on the composition. The SB-21B also operates with manual control.

For more elaborate lighting, choose Nikon's multiple speedlight system, enabling you to operate up to five Nikon TTL speedlights through a sophisticated connecting system — all automatically TTL controlled. Become a lighting expert with the help of the Nikon System.



Micro-Nikkor
55mm f/2.8



Micro-Nikkor
105mm f/2.8



Micro-Nikkor 200mm f/4



Medical-Nikkor
120mm f/4 IF

Look! Up close, there's a hidden world awaiting you. The Nikon N8008's sophisticated close-up accessories let you discover this enchanting world in miniature.

BELLOWS ATTACHMENT PB-6

Mounts between the N8008 camera and the lens for close-up and macro photography. With 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 extreme close-up range. The PB-6 has a stop-down lever so that you can choose the exposure by stop-down metering. The exposure modes applicable are A and M. Optional accessories include PB-6E Extension Bellows, PB-6M Macro Copy Stand and PS-6 Slide Copying Adapter. The Repro-Copy Outfit PF-4 makes possible high-quality photographic copies of photographs, illustrations, drawings and diagrams.

NIKON CLOSE-UP ATTACHMENT LENSES

The easiest, simplest way to get into close-up photography, the performance-proven Nikon System way. Just attach them to the front of the lens, like a filter. Available models are 0, 1, 2, 3T, 4T, 5T and 6T. Lenses with "T" for use with telephoto lenses, and feature 2-element construction. Nikon Integrated Coating for superb contrast and color fidelity.

EXTENSION RINGS

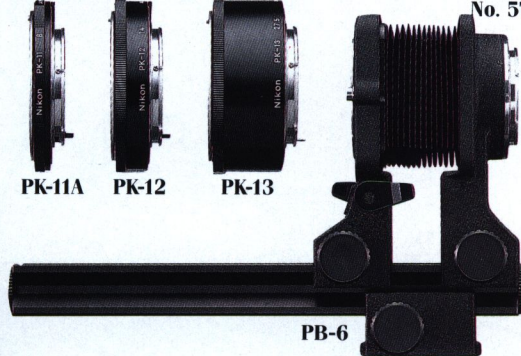
An equally easy way to enjoy the wonderful world of close-up photography. Models include the PK-11A, 12, and 13. Because the aperture information of the Nikon lens is transferred via the PK ring to the camera, the exposure is determined by TTL full aperture metering. Exposure modes applicable are A or M.



PK-11A

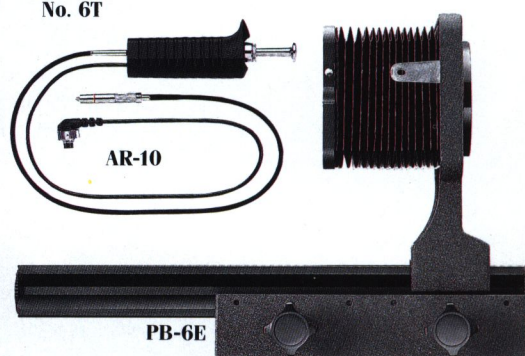
PK-12

PK-13

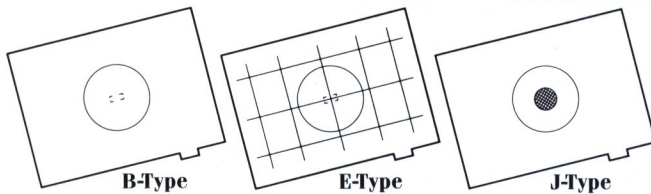


PB-6

PB-6E



UNBOUNDED CREATIVITY



INTERCHANGEABLE FINDER SCREENS

The standard B-type advanced BriteView screen supplied with the Nikon N8008 is also the most universally adaptable to most shooting situations. Two other interchangeable optional screens are available to match your subject.

E-Type BriteView screen:

Clear Matte/Fresnel with focusing brackets and grid. Suited for copying and architectural photography.

J-Type BriteView screen:

Clear Matte/Fresnel with microprism.

FINDER ACCESSORIES

The N8008's high-eyepoint viewfinder makes viewing comfortable, even during extended shooting, reducing eye fatigue and making it easier to look through the viewfinder. It accepts nine exclusively designed Nikon eyepiece correction lenses: -5, -4, -3, -2, 0, +0.5, +1, +2 and +3 diopters; eyepiece adapter; rubber eyecup to prevent stray light from entering the viewfinder; eyepiece magnifier DG-2 for magnifying the viewfinder image; and DR-3 Right-Angle Viewing Attachment for upright and unreversed image viewing at a right angle.

NIKON FILTERS

Filters add a new dimension to your pictures. Nikon offers various kinds of filters with Nikon's own precision optical standards. This is where you can really be an artist.

CAMERA CASES

Various types available are — the handy CF-39 Semi-Soft Case (housing with normal lens attached), CF-40 Semi-Soft Case (telephoto lens attached) and CF-39D (data back attached).

NIKON NECKSTRAPS

Available are the leather neckstrap AN-1 (black), webbed nylon neckstraps AN-4Y (yellow) and AN-4B (black), and wider webbed nylon neckstraps AN-6Y (yellow) and AN-6W (wine-red).



Look!

There's more in the Nikon system to support your creative ideas.

TTL Multiple Flash



NIKON TTL MULTIPLE-FLASH SYSTEM

Choose 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. So, now you are ready for off-camera multiple-flash photography with a professional studio touch.

REMOTE CONTROL ACCESSORIES

Everyone will like the Nikon N8008's use of remote control accessories for unattended time-lapse photography or work sampling. There's the quartz-controlled MT-2 Intervalometer and Radio Control Set MW-2 for wireless remote control of up to three cameras as much as 765 yards away, the ML-1 Modulite Remote Control Set for controlling two cameras from up to 65 yards away with modulated bursts of light, and the Remote Cord MC-12A for operating the camera from up to 9.8 ft. away.



AN-6W

AN-6Y

AN-4Y

AN-4B

MW-2

MC-12A

SB-20

SB-24

SB-22

SB-20

SB-16B

SB-15

AS-15 Sync Terminal Adapter

Enables you to connect the camera with other speedlight units via sync cords.



THE BASICS

Designed with that familiar, comfortable, dependable Nikon feel.



Camera Body

- 1 Camera strap eyelet
- 2 Self-timer indicator LED
- 3 Depth-of-field preview button
- 4 LCD illumination window
- 5 Lens mounting index
- 6 Remote control terminal
- 7 AFL (Autofocus Lock) button
- 8 AF coupling
- 9 CPU contacts
- 10 Reflex mirror
- 11 Focus mode selector
- 12 Camera back lock releases
- 13 Film speed button
- 14 Exposure mode button
- 15 Metering system selection button
- 16 Film rewind button
- 17 Exposure compensation button
- 18 Power switch

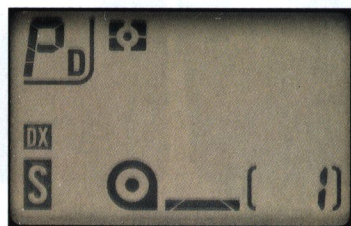
LCD Panel

- 19 Shutter release button
- 20 Film advance mode button
- 21 Self-timer button
- 22 Multiple exposure/film rewind button
- 23 Accessory shoe
- 24 LCD panel
- 25 Command input control dial
- 26 Exposure mode
- 27 Metering system
- 28 Exposure compensation
- 29 Electronic analog display
- 30 Film speed setting
- 31 DX-coded film speed setting
- 32 Shutter speeds/film speeds
- 33 Aperture/exposure compensation value
- 34 Film advance mode
- 35 Film installation
- 36 Self-timer
- 37 Film advance and rewind
- 38 Multiple exposure
- 39 Frame counter/self-timer duration/number of multiple exposure



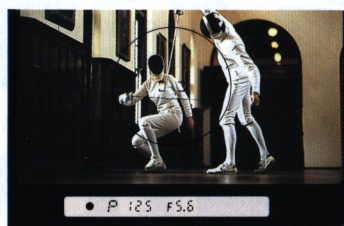
COMMAND INPUT CONTROL DIAL

Smart and easy to use. Simply turn the dial to input your commands such as exposure mode selection, shutter speed selection, shooting mode selection, exposure metering selection, flexible program, exposure compensation value, self-timer, manual ISO film speed, and others. Ergonomically designed for smooth operation, you turn it with your thumb, leaving your index finger "always ready" to take a picture.



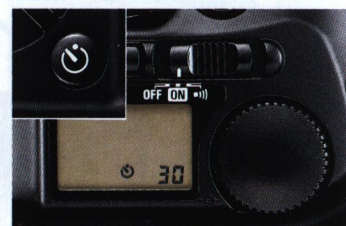
LCD PANEL

With the power on, shows you all vital information at a glance, keeping you constantly aware of all the settings chosen, the immediate situational status and if anything is amiss. An especially helpful feature for creative photography. The panel is ideally located just beside the Command Input Control dial for truly coordinated operation; complementing this is the LCD information in the viewfinder.



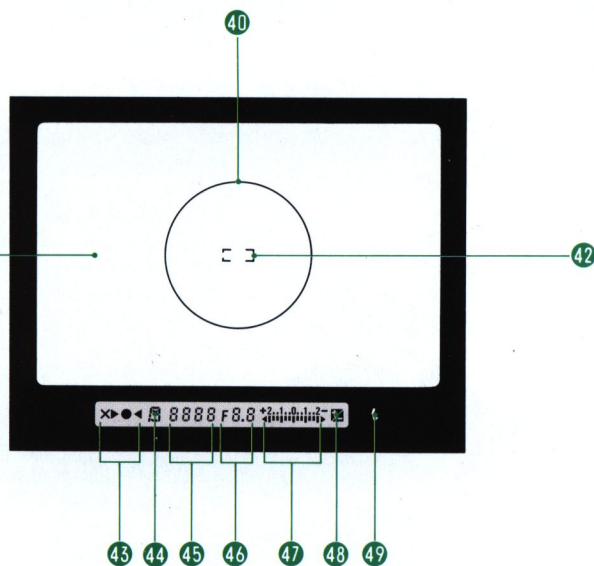
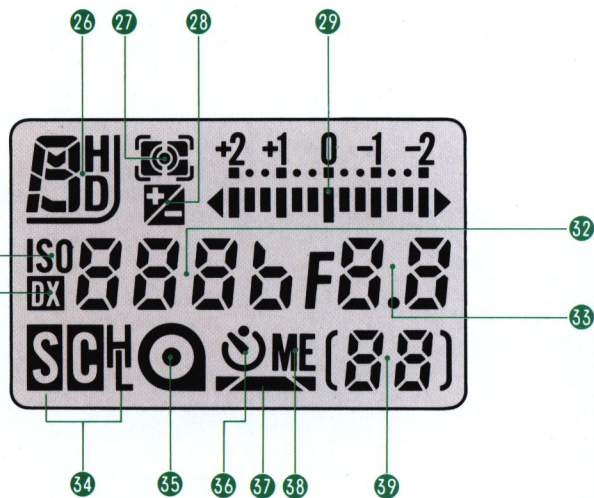
VIEWFINDER LCD INFORMATION

Most of the data displayed on the LCD panel on top of the camera is duplicated in the viewfinder's own LCD indicator which can be illuminated with the button provided. Includes f/stop, shutter speed and analog exposure value information display.



VARIABLE SELF-TIMER

You can choose *any* duration between 2 and 30 seconds. If you want, you can even have two self-timer shots, the first after a 10-second delay, the second 5 seconds later.



Inside Viewfinder

- 40 12mm-dia. central area
- 41 Clear matte field
- 42 Focus brackets
- 43 Focus indicators
- 44 Exposure mode
- 45 Shutter speed/film speed
- 46 Aperture/exposure compensation value
- 47 Electronic analog display
- 48 Exposure compensation mark
- 49 Ready-light LED

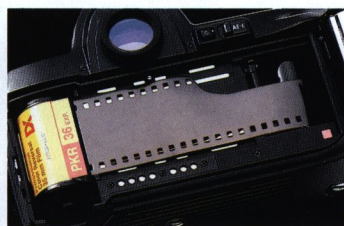
Camera Back

- 50 Film cartridge confirmation window
- 51 Viewfinder eyepiece
- 52 Viewfinder illumination button
- 53 AE (Auto Exposure) Lock lever



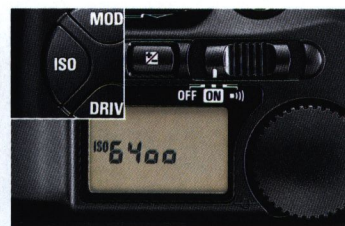
HIGH EYEPOINT FINDER

This enables you to look at the viewfinder image clearly in comfort, even with your eye away from the finder eyepiece (for example when wearing glasses) by virtually the same distance as with the renowned Nikon F3 High-Eyepoint camera.



AUTO FILM OPERATION

From loading, ISO film speed setting, film advance to film rewind — all film operations are automatic. And mistake-proof. So you can concentrate entirely on the creative aspects of the shot.



MANUAL ISO FILM SPEED SETTING

You can override automatic DX-coded film ISO setting from ISO 25 to 5000. Set ISO film speed yourself from ISO 6 to 6400, using the Command Input Control dial. Useful for creative applications, such as intentional film speed boosting.



AUDIBLE ALARM

In addition to visual alerts, the N8008 uses a system of audible alarms to warn the user, for example, that the shutter speed selected is below 1/30 sec. and out of auto exposure range or that it's the end of the roll, etc. Of course, if you're in an extra-quiet shooting session, you can cancel this function.

INTEGRATED ELECTRONICS

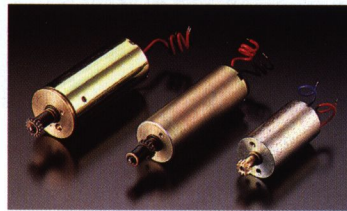
You'll find the Nikon N8008's body brimming inside with state-of-the-art electronics. Its integration of electronics — the most extensive among SLR cameras — includes, among others, an 8-bit microcomputer unit, a 4-bit microcomputer unit and eight additional ICs. All working together to provide a faster and more responsive autofocus system, a highly advanced metering system, and full internal communication between the lens and camera, speedlight and camera, and data back and camera. The N8008's ability to instantly process and transfer a tremendous amount of data, supports your creative ideas and helps you realize your vision of the world in terms of pictures. Indeed, the N8008's intelligence is designed to light up, time and again, that creative spark in you with the minimum of fuss and error and the maximum of efficiency and consistency. You work well with the N8008 because every little electronic bit in the N8008 is integrated to work together.



MICROCOMPUTERS

Complementing the microcomputer unit built into every autofocus AF Nikkor are the two

microcomputers incorporated in the N8008's body; these really form the core which enables the N8008 to work perfectly with the Nikon System. One powerful 8-bit microcomputer unit takes care of computations and algorithms related to autofocus and exposure metering. And one 4-bit microcomputer unit controls various camera functions including motor drive, sequence control, display control and memory. This "division of labor" helps the N8008 deliver ultra-high-speed performance.



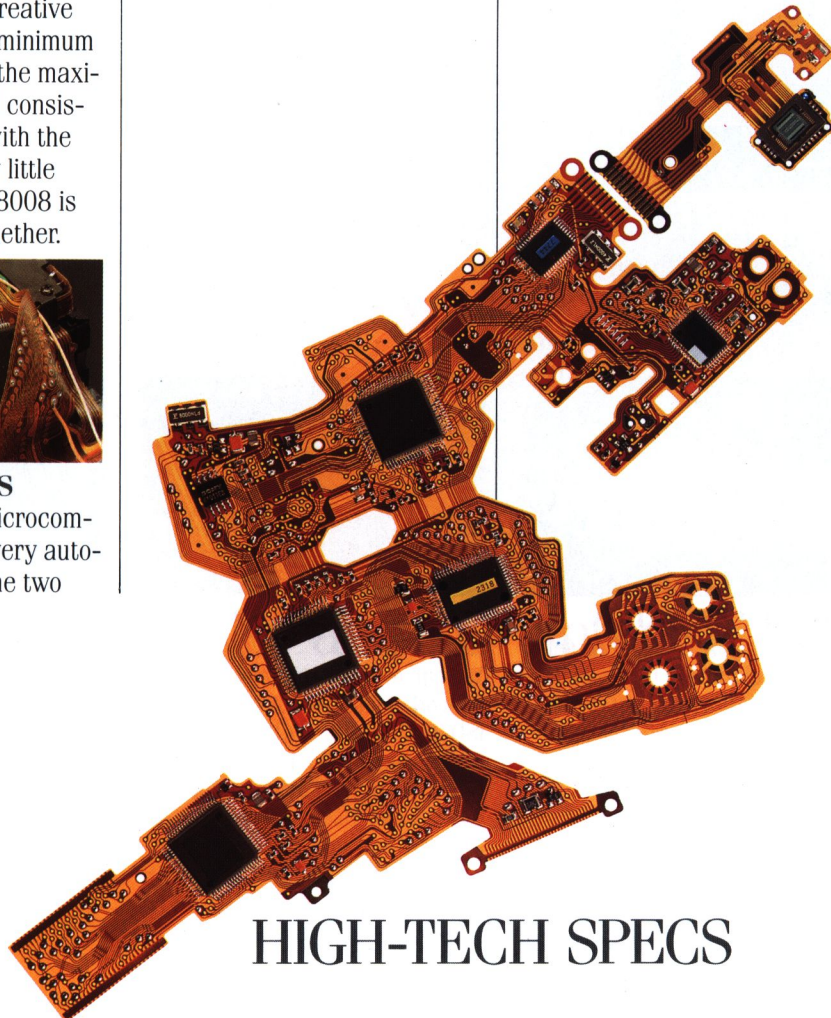
THREE-MOTOR SYSTEM

The N8008 has three coreless body-integral motors. An auto-

focus motor to control AF-Nikkor lenses, another one to take care of motor-drive functions, and yet another for sequential control of such basic mechanical operations as aperture opening/closing and mirror up/down. Another intelligent "division of labor" that gives the N8008 unfailing dependability. In addition, battery life is longer than that of comparable conventional motor systems, because the N8008's motors work with utmost efficiency, even in low temperatures.

RELIABILITY

And, of course, the N8008 is a Nikon. A product of Nikon's many years of experience in optical, mechanical and electronic technologies — the most advanced available. Understandably, you wouldn't expect anything less from a Nikon.



HIGH-TECH SPECS

SPECIFICATIONS

Type of camera: Integral-motor autofocus 35mm single-lens reflex
Picture format: 24mm x 36mm (standard 35mm film format)

Lens mount: Nikon F mount

Lens: AF Nikkor lenses, Nikon lenses with Nikon F mount (with limitation) available

Focus modes: Autofocus, and manual focus with electronic range finder

Autofocus

Autofocus detection system: TTL phase detection system using Nikon advanced AM200 autofocus module

Autofocus detection range:

Approx. EV minus 1 to EV 19 (at ISO 100)

Autofocus actuation method:

Single servo and continuous servo

Autofocus lock: Possible by lightly pressing shutter release button in Single Servo AF mode or by using AF Lock button

Electronic range finder: Available in manual focus mode with an AF Nikkor and other AI-type Nikkor lenses with a maximum aperture of f/5.6 or faster

Exposure metering: Two types of exposure metering systems — Matrix Metering and Center-Weighted

Exposure meter switch: Activated by lightly pressing shutter release button; stays on for approx. 8 sec. after lifting finger from button

Metering range: EV 0 to EV 21 at ISO 100 with f/1.4 lens

Exposure modes: Programmed auto (PD, P, PH), shutter-priority auto (S), aperture-priority auto (A) and manual (M) modes

Programmed auto exposure control: Both shutter speed and aperture are set automatically; flexible program in one EV step possible

Shutter-priority auto exposure control: Aperture automatically selected to match manually set shutter speed

Aperture-priority auto exposure control: Shutter speed automatically selected to match manually set aperture

Manual exposure control: Both aperture and shutter speed are set manually

Shutter: Electromagnetically controlled vertical-travel focal-plane shutter

Shutter release: Electromagnetic shutter by motor trigger

Shutter speeds: Lithium niobate oscillator-controlled speeds from 1/8000 to 30 sec.; stepless in PD, P, PH or A mode;

EV steps in S or M mode; electro-magnetically controlled long exposure at B setting

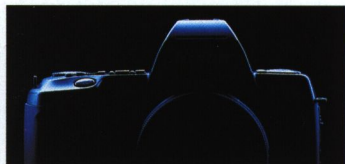
Viewfinder: Fixed eyelevel pentaprism high-eyepoint type; approx. 0.75X magnification with 50mm lens set at infinity; approx. 92% frame coverage

Eyepoint: Approx. 19mm

Eyepiece cover: Model DK-8 prevents stray light from entering viewfinder

Focusing screen: Nikon advanced B-type BriteView interchangeable screen (E- and J-type available)

Viewfinder information: The following LCD indications appear: focus indicators, exposure modes, shutter speeds/film speeds, aperture/exposure compensation value, electronic analog display, exposure compensation mark; ready-light LED; viewfinder LCD display is illuminated automatically or by pressing the viewfinder illumination button



LCD display: The following indications appear: exposure modes, metering modes, exposure compensation, electronic analog display, shutter speeds/film speeds, aperture/exposure compensation value, film speed setting, DX-coded film speed setting, film advance mode, film installation, film advance and rewind, self-timer, multiple exposure, frame counter/self-timer duration/number of multiple exposure

Electronic beeper: With power switch at \blacksquare , beeper sounds in the following cases: **operation signals;** (1) at end of film roll; (2) when film rewinding is complete; (3) during self-timer operation; **alert signals;** (1) for over- or under-exposure and possible picture blur in P and A modes; (2) when non-DX-coded film, damaged film or film with an unacceptable DX-code is loaded; (3) when camera detects abnormality such as torn or damaged film during film advance

Auto exposure lock: Available via sliding the AE Lock lever while the meter is on

Film speed range: ISO 25 to 5000 for DX-coded film; ISO 6 to 6400 for manual setting

Film speed setting: At DX position, automatically set to ISO speed of DX-coded film used; with non-DX-coded film, ISO speed is set manually

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 CH (Continuous High) or CL (Continuous Low) shooting mode, shots are taken as long as shutter release button is depressed; in CH mode, shooting speed is approx. 3.3fps, and in CL, approx. 2.0fps (in Continuous Servo Autofocus or manual focus mode, with new batteries at normal temperatures, and a shutter speed faster than 1/125 sec.)

Frame counter: Accumulative type; counts back while film is rewinding

Film rewind: Automatically rewinds by pressing film rewind button and multiple exposure/film rewind button; approx. 10 sec. per 24-exposure roll; stops automatically when film is rewound

Self-timer: Electronically controlled; timer duration can be selected between 2 to 30 sec. in one sec. increments; blinking LED indicates self-timer operation; two-shot self-timer is possible; cancellable

Exposure compensation: Possible using exposure compensation button within ± 5 EV range in 1/3 EV steps

Multiple exposure: Up to 9 exposures can be set

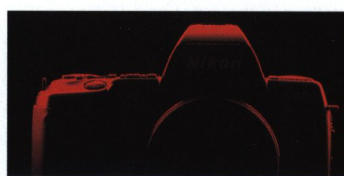
Depth-of-field preview button: Provides visual verification of depth of field; can be previewed in A or M mode

Reflex mirror: Automatic, instant-return type

Camera back: Hinged back; exchangeable with Nikon Multi-Control Back MF-21 or Data Back MF-20

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 PD, P, PH or A mode; in S or M



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

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: Four AA-type batteries

Number of 36-(24-)exposure film rolls per set of fresh batteries (approx.)*

For Continuous Servo Autofocus with AF

Nikkor lens covering the full range from

infinity (∞) to the closest distance and

back to infinity (∞) before each shot

Batteries	At 68°F	At 14°F
Alkaline-manganese (LR06)	120 (180)	20 (30)
Manganese	40 (60)	5 (7)
NiCd (KR-AA)	80 (120)	25 (35)

*Using AF Nikkor 50mm f/1.8 or AF Nikkor 35-70mm f/3.3-4.5, with film advance mode at CH and a shutter speed of 1/125 sec. or faster.

Checking battery power: Battery power is sufficient if shutter speed and aperture indications appear in the LCD panel and viewfinder by lightly pressing shutter release button, and remain on for approx. 8 sec. after finger is removed from the button; insufficient if these indications turn off immediately after finger is removed from the button; if LCD blinks and shutter locks, batteries are exhausted; if no data appears and shutter does not operate, batteries are exhausted or improperly loaded

Dimensions: 6.0X4.0X2.6 in.

(153.6X102.5X67.5mm) (WXHxD)

Weight (body only): Approx. 24.5 oz. (695g)

With fresh alkaline batteries at normal temperature (68°F). Specifications and designs are subject to change without notice.

SB-24 Specifications

Guide number: Approx. 164 at 85mm, 138 at 50mm, 118 at 35mm, 98 at 24mm (feet, ISO 100)

No. of flashes (with fresh alkaline-manganese batteries at full output): approx. 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: 3.1X5.2X3.9 in.

(WXHXD)

Weight: 13.8 oz. (without batteries)

SB-23 Specifications

Guide number: Approx. 66 (feet, ISO 100)

No. of flashes (with fresh alkaline-

manganese batteries at full output): 400

Special functions: Auto power off, AF illuminator provided

Power source: Four 1.5V AA-type penlight batteries

Dimensions: 2.5X2.6X3.3 in.

(WXHXD)

Weight: 4.9 oz. (without batteries)

MF-21 Multi-Control Back

Usable film speed: ISO 25-3200

Imprint data: Year/Month/Day; Month/Day/Year; Day/Month/Year; Day/Hour/Minute; Frame Number (2 digits); Serial Upcount Number (6 digits); Fixed Number (6 digits); or Shutter Speed/Aperture

Other functions: Interval-Timer, Auto Bracketing, Long Time Exposure, and Freeze Focus

Power source: Two CR2025 batteries

Dimensions: 5.5X2.4X1.1 in.

(WXHXD)

Weight: 3.2 oz. (without batteries)

MF-20 Data Back

Usable film speed: ISO 32-3200

Imprint data: Year/Month/Day; Month/Day/Year; Day/Month/Year; or Day/Hour/Minute

Power source: One CR2025 battery

Dimensions: 5.5X2.4X1.0 in.

(WXHXD)

Weight: 2.5 oz. (without batteries)

Your Nikon camera requires precise electronic and mechanical matching between component products such as lenses and electronic flash. Nikon brand lenses and electronic flash units are made to Nikon's factory specifications and will operate properly and in accordance with the Nikon Limited Warranty provided.

Damage to your Nikon product, as a result of malfunction or improper connections, caused by the use of non-Nikon brand products, is not covered under the terms of the Nikon Limited Warranty and will void the Nikon warranty.

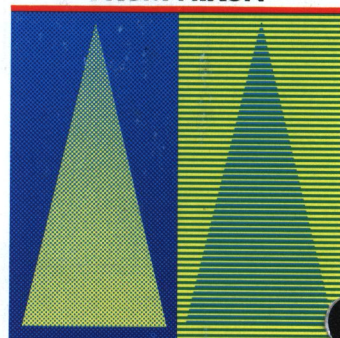
Nikon



Nikon cameras have been flying in space on NASA's manned spacecraft programme ever since the APOLLO programme. It also includes SKYLAB and the joint venture APOLLO-SOYUZ.

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