

P R O F E S



N I K O

Reliable performance with fast response. Fast speeds with consistent accuracy. Practical innovations for demanding professionals. The strength to take on punishing assignments. The versatility to take on

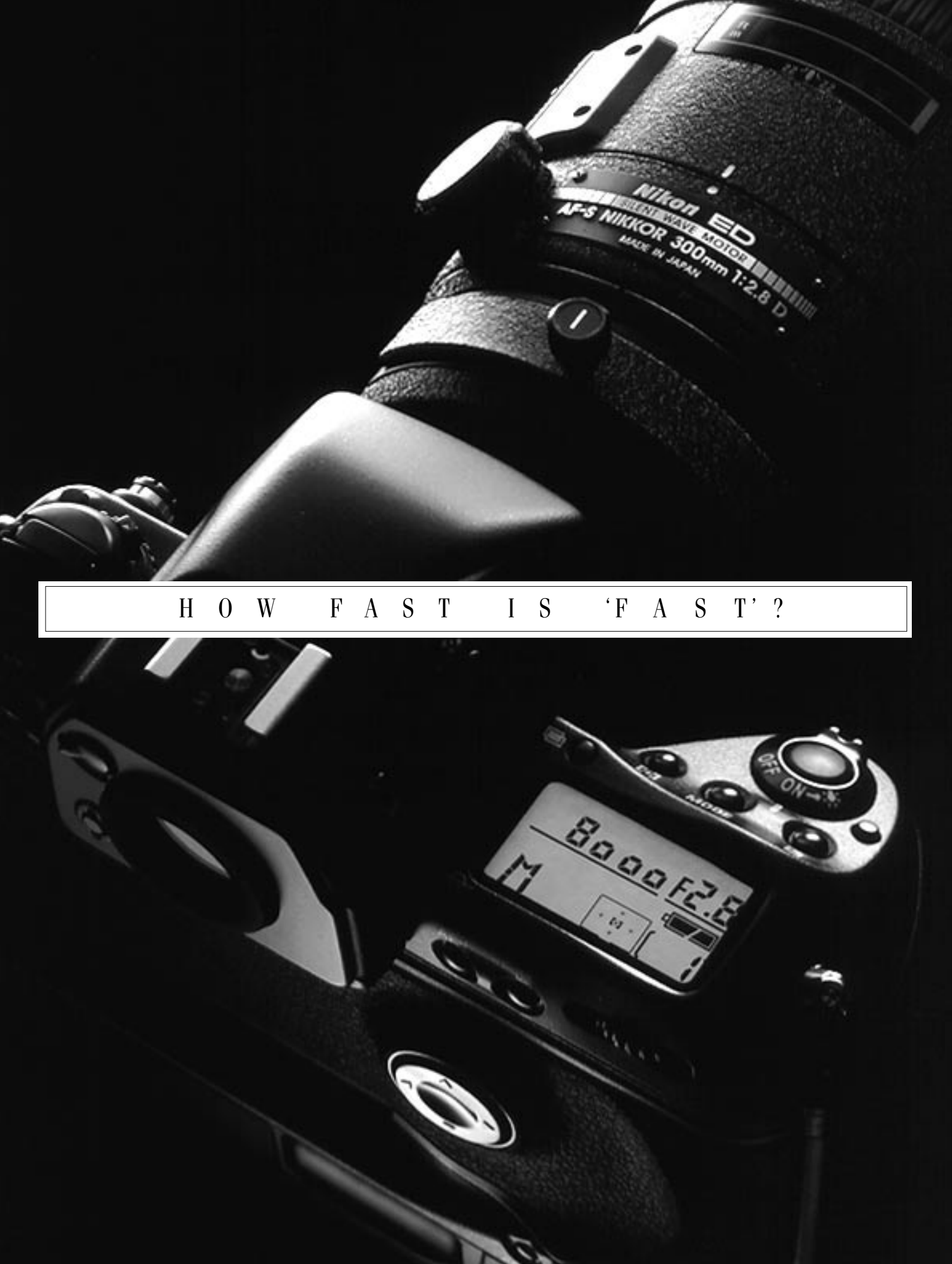
SPOT

S I O N A L



N F 5

virtually any assignment. The flexibility to customise for specific requirements. And the kind of system integrity that's simply incomparable with any other 35mm SLR camera system on the planet.



Nikon ED
AF-S NIKKOR 300mm 1:2.8 D
MADE IN JAPAN

H O W F A S T I S ' F A S T ' ?

M 8000 F2.8

THIS FAST.

8 autofocus frames per second*

The F5's fastest firing rate operates

with automatic Focus Tracking with Lock-On™

thanks to Multi-CAM1300 Autofocus Sensor

with Wide-Cross Array of five focus areas

19.3m for a subject moving 300km/h

The closest distance at which the F5's Focus Tracking

operates (with a 300mm lens)

4 seconds*

The time the F5 takes to rewind 36-exp. film automatically

And there's more.

**With the optional Ni-MH Battery Unit MN-30 at normal temperatures.*



FASTER THAN EVER WITH UNCOMPROMISING ACCURACY.



Nikon F5 with AF-S Nikkor 600mm 1/4D IF-ED II

The Nikon F5's autofocus system gives you more than just the fastest autofocus operation for eight sharply focused pictures per second. Frame-after-frame, the F5's AF system precisely captures the subject—stationary or moving, centred or off-centre, coming from left, right, top or bottom, even if there's a momentary interruption from another subject. It provides consistently superior results through all-new technology.

will keep focus. You can shoot even quick-moving sports like motor racing, with confidence. Dynamic AF is just one part of Nikon's advanced AF system. There's more...

Record-breaking speed— even up close

The F5's exceptional AF performance isn't limited to average situations—it excels under difficult conditions, like up-close. As a moving subject comes closer, the rate-of-change of the distance accelerates—and that's a problem for most AF systems: they can't keep up. The F5 keeps up at even closer distances than any system before.

Bigger and more versatile AF area coverage

Together, the F5's five sensors create a huge Wide-Cross Array that covers a wider area than any system before it in both the horizontal and the vertical ranges in the finder. The three horizontal



Focus Tracking at 8 frames per second

Five-area full-coverage AF sensors

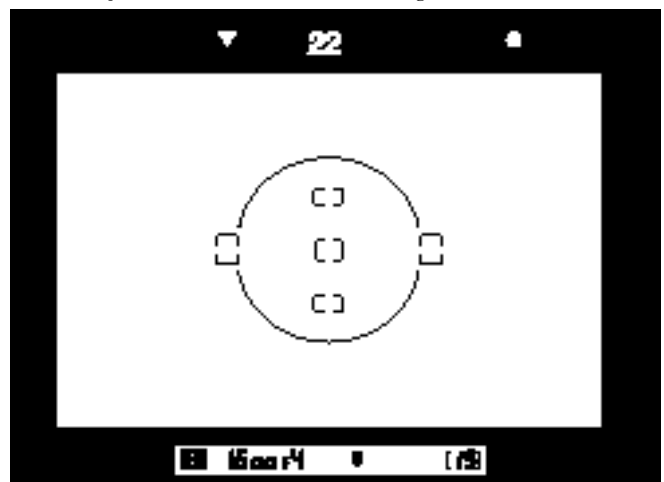
The F5's innovative autofocus system features five separate detection sensors (Multi-CAM1300). Not just a simple line of sensors, the F5's sensors cover five focus areas — centre, left, right, top and bottom.

Dynamic AF mode

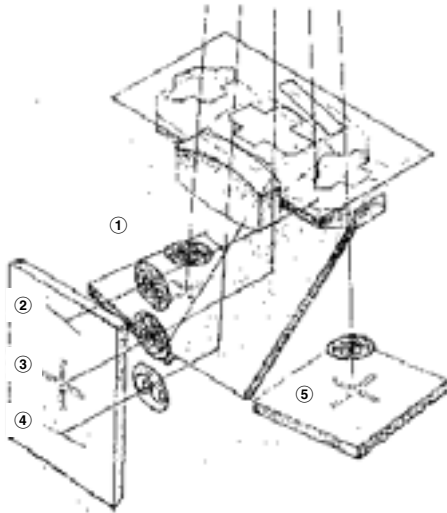
With this mode, you can select the priority focus area that suits your composition, then just aim the selected area at the subject and shoot. Autofocus is fast and extremely accurate. If the subject moves off the selected focus area, Dynamic AF instantly shifts it to another one of the five areas to keep the subject in focus. You're not limited to a bulls-eye centred composition—you're free to compose creatively as the scene requires. You're able to follow moving subjects, subjects that change speed and move at an angle to you. Even if another subject momentarily blocks your view, Nikon's Focus Tracking with Lock-On™

sensors are full-time cross-type; the top and bottom sensors, line-type.

The F5's AF system can operate with autofocus lenses that have an aperture of f/5.6 or faster— which means every AF Nikkor lens. And because there's top and bottom sensors, you get a horizontal line of AF sensing when you're using vertical composition. Another F5 advantage.



Five-area autofocus (left area selected)



**Multi-CAM1300
Autofocus Sensor Module**
 ① Cross-type CCD sensor
for the left focus area
 ② CCD sensor for the top
focus area
 ③ Cross-type CCD sensor
for the centre focus area
 ④ CCD sensor for the bot-
tom focus area
 ⑤ Cross-type CCD sensor
for the right focus area

More for superior AF operation

The F5 has a com- system of extremely micro-electronics hanical components gned to provide ultra-fast operation.

As subjects move ickly about the e, the F5's micro- eously process rs respond in mere

milliseconds to drive the lens, the shutter opens and the film advances as you shoot at continuous speeds up to an 8 frames per second with autofocus. Even the F5's mirror is faster; Nikon's original mirror balancer system assures stable operation, without disturbing mirror bounce. That's rock-steady, responsive and accurate AF operation.

times when you want AF operation acti- vated separately from the shutter release button, use the F5's AF start buttons—one button for horizontal, one for vertical handling. With Custom Setting #4, you can use the shutter release button exclusively for shutter release operation and the AF start but- ton for autofocus activation. It's perfect for sports and other quick-action shoot- ing because it allows you to concentrate solely on shutter release timing. Perfect for personal control and the most versa- tile use of automatic shooting, too.



Single Area AF mode

In addition to Dynamic AF operation, the F5 provides a Single Area AF mode. It's like having a choice among five carefully positioned AF spot sensors. The selected focus area is indicated on the top-deck LCD and in the standard EC-B type or optional EC-E type screen. You can also confirm the focus area through the focus area indicators (orange pointers) in the viewfinder.

Versatile AF operation

Choose Single Servo AF and shoot one frame at a time; use Continuous Servo AF for quick-changing situations. Either way, you'll get fast and accurate response, with sharpness you can see. You get Focus Tracking, in all AF modes, automatically activated when the F5 senses that the subject is moving. Nikon's Focus Tracking with Lock-On™ overcomes momentary interruptions in focus. When you want to focus manually, the accurate and versatile Electronic Rangefinder can guide you. And for the



AF-S Nikkor lenses

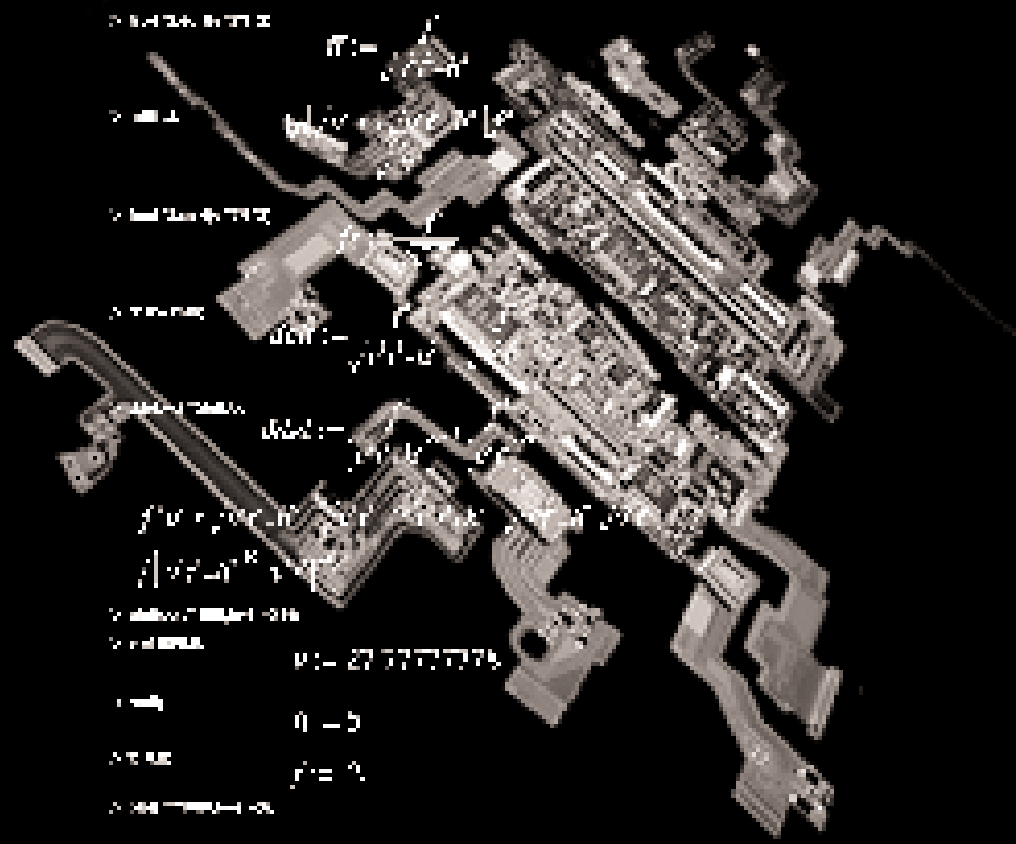
Complementing the F5's AF system is a selection of AF-S Nikkor lenses featuring sophisticated SWMs (Silent Wave Motors). They drive Nikkor lenses faster than ever, rotating quickly and stopping at exactly the right moment — the moment of sharp focus. They work so quietly, in fact, that you'll think they're actually silent.

Fast motorised film rewind

The F5's built-in motor quickly rewinds film: 4 sec. for a 36-exposure roll with the Ni-MH (Nickel Metal Hydride) Battery Unit MN-30, 6 sec. with fresh AA-type alkaline batteries — at normal temperatures. Motor sound has been significantly reduced, too. For total silence, you can rewind the film by hand.



HOW INTELLIGENT IS 'INTELLIGENT' ?



THIS INTELLIGENT.

World's first 3D Colour Matrix Metering

with exclusive 1,005-pixel Red-Green-Blue (RGB) sensor

that senses scene brightness, contrast, and scene colours

for unequalled exposure results

Exclusive Custom Control Centre-Weighted Meter

that enables you to customise the size of the meter

Spot Metering and AF Integration

that matches the Spot Metering area automatically to

your selected focus area

Exclusive five-segment TTL flash control

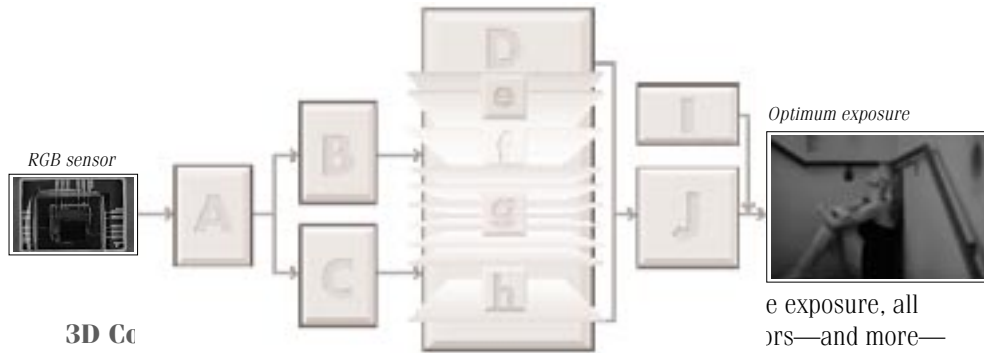
which offers 3D Multi-Sensor Balanced Fill-Flash with

D-/G-type lenses and Nikon Speedlights such as the SB-80DX, SB-50DX, SB-27 or SB-30

And there's still more.



INTELLIGENT EXPOSURE CONTROL THAT PUTS YOU IN CONTROL.



- A. Total 1,005 data
- B. Colour data
- C. Basic data (small group reading)
- D. Parameters
- e. Colour
- f. Brightness
- g. Contrast
- h. Focus area position
- I. Distance Information from D-/G-type Nikkor lens
- J. Database

3D Colour Matrix Meter—world's first

This exclusive Nikon feature evaluates not only each scene's brightness and contrast but, using a special Red-Green-Blue (RGB) sensor, it also evaluates the scene's colours.

Using the classic metering techniques which measure for 18% reflectance, factors such as brightness and contrast are primarily used to determine exposure. Professionals, however, will tell you that it is their experience in evaluating each scene's aesthetic factors that guide them to the best exposure. And colour is often associated with aesthetic qualities. Imagine a sunset with warm hues of orange. The shadows of a building, cool with blue. A panoramic landscape with a bright blue sky. The Colour Matrix Meter can even tell if tungsten or fluorescent lighting is in use.



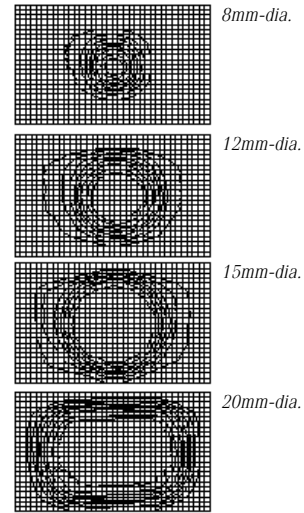
...e exposure, all
...ors—and more—
...require special consideration.

Data from more than 30,000 scenes from actual shooting experience are stored in the F5's database. The algorithms used were made not in the laboratory but out in the field—taking pictures. The F5's 3D Colour Matrix Meter evaluates scene brightness, contrast, selected focus area, distance information and colour. Then its powerful microcomputer and database together guide it to unequalled exposure control. The results are automatic exposure control that will astonish you.

Flexible Centre-Weighted Meter

The F5 includes Nikon's classic Centre-Weighted Meter which concentrates 75% of its sensitivity within a 12mm circle, and 25% in the peripheral area. It's the classic meter for those who shoot portraits, or simply want to take personal control. But if the subject is too small, too near or too far, the 12mm circle may not be the size you need. Introducing the world's first Flexible Centre-Weighted Meter. With Custom Setting #14, you'll be able to change the size of the sensing area to 8mm, 15mm, 20mm or a simple averaging meter — depending on the subject's size and distance.

Flexible Centre-Weighted Meter





Spot Metering

Spot Meter

For really precise metering, the F5's Spot Meter reads a 4mm-diameter area (approx. 1.5% of the image area). This meter's sensing area changes to correspond with the manually selected focus area. Perfect synergy for individual control.



Performance-proven 3D Multi-Sensor Balanced Fill-Flash

Another Nikon exclusive, this system has demonstrated its power since its introduction. And now with the F5's advanced capabilities it is even better. Five-segment TTL Multi Sensor precisely monitors flash output. Imperceptible Monitor Pre-flashes from a Nikon Speedlight such as the SB-80DX, SB-50DX or SB-27, and distance information from D-/G-type Nikkor lenses help overcome exposure failure associated with highly reflective surfaces, distant background fill-flash and surfaces to 18% reflectance. You can use fill-flash power together with the automatic exposure control or exposure manually. Either way, you get the proven performance of this exclusive 3D Multi-Sensor Balanced Fill-Flash.



3D Multi-Sensor Balanced Fill-Flash



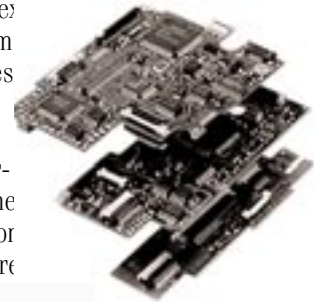
1/300 TTL High-Speed Sync

1/300 sec., extra-fast flash sync speed

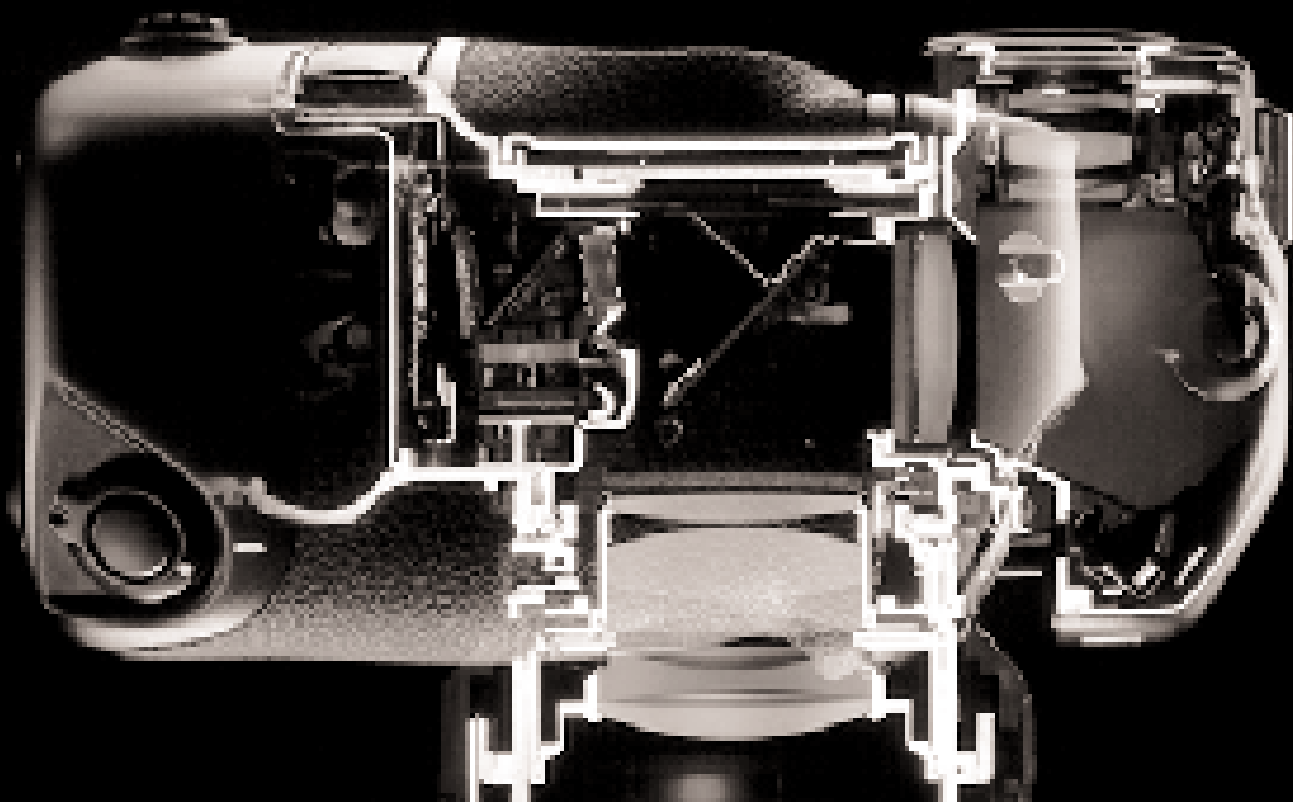
Using Custom Setting #20 with Shutter-Priority Auto or Manual mode, the F5's top flash sync speed is boosted to 1/300 sec., expanding the camera's exposure range for fill-flash shooting.

Powerful computer network

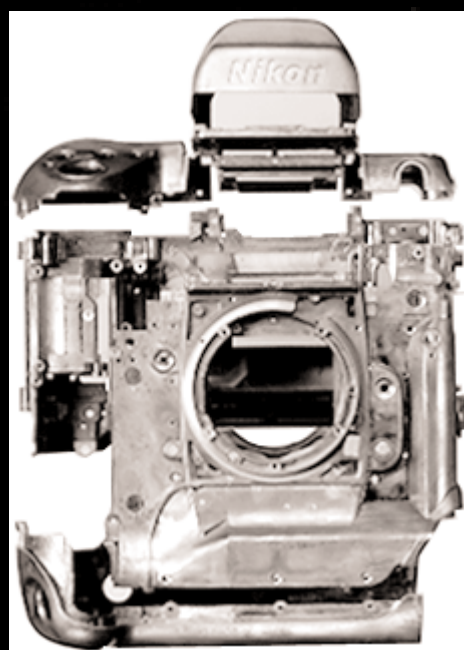
Beneath the F5's rugged exterior is a network of powerful computers doing what they do best — taking care of complex operations, calculations and providing unsurpassed capabilities. The network is a hybrid circuit construction that includes three



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HOW RELIABLE IS 'RELIABLE'?



THIS RELIABLE.

Self-diagnostic double-bladed shutter

tested to 150,000 cycles

featuring Nikon's exclusive Shutter Monitor

Titanium viewfinder housing

and solid aluminium-alloy die-cast body,

aluminium top, bottom, back and grip covers

Vibration-minimising mechanisms

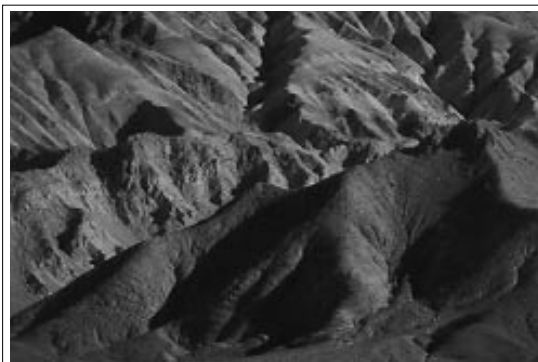
like Nikon's exclusive mirror balancer

and floating-type design for motors and gears

Severe environmental testing

for improved resistance to moisture and dust

Why the pros can depend on Nikon.



SOMETIMES, RELIABILITY IS ALL THAT MATTERS. NIKON UNDERSTANDS.

A unity of style, functional performance and durability

The F5 looks great, feels good and handles responsively. You'll realise it the first time you pick it up.

The F5 is strong; its major components are crafted from durable metals. The chassis is made of tough aluminium alloy, rigid and strong to maintain precise alignment, as are the top shoulders, the bottom and the front-grip covers. The viewfinder's top cover is titanium for extra resistance to impact. Covering selected areas of this armour-like structure are rubber surfaces, textured for secure holding and for buffering against the environment and impact. The grip itself has a textured rubber surface. Dials and buttons are designed to resist intrusion by moisture and dust. Reducible to about 1,210g and smaller than its predecessors, the F5 feels comfortable to hold, totally secure.

The F5's design has been rigorously tested to assure reliable performance under demanding professional conditions. It is tested to resist moisture and dust. It is drop-tested, vibration-tested and put through extremes of temperature. Nikon's engineers envisioned how you will use it, then put it to real-life testing to ensure its high reliability in actual use.



Comfort and familiar handling

The F5 has Command Dials and two big LCD panels that display settings. The Main-Command Dial changes shutter speeds and various exposure modes. You use the Sub-Command Dial primarily for aperture control.

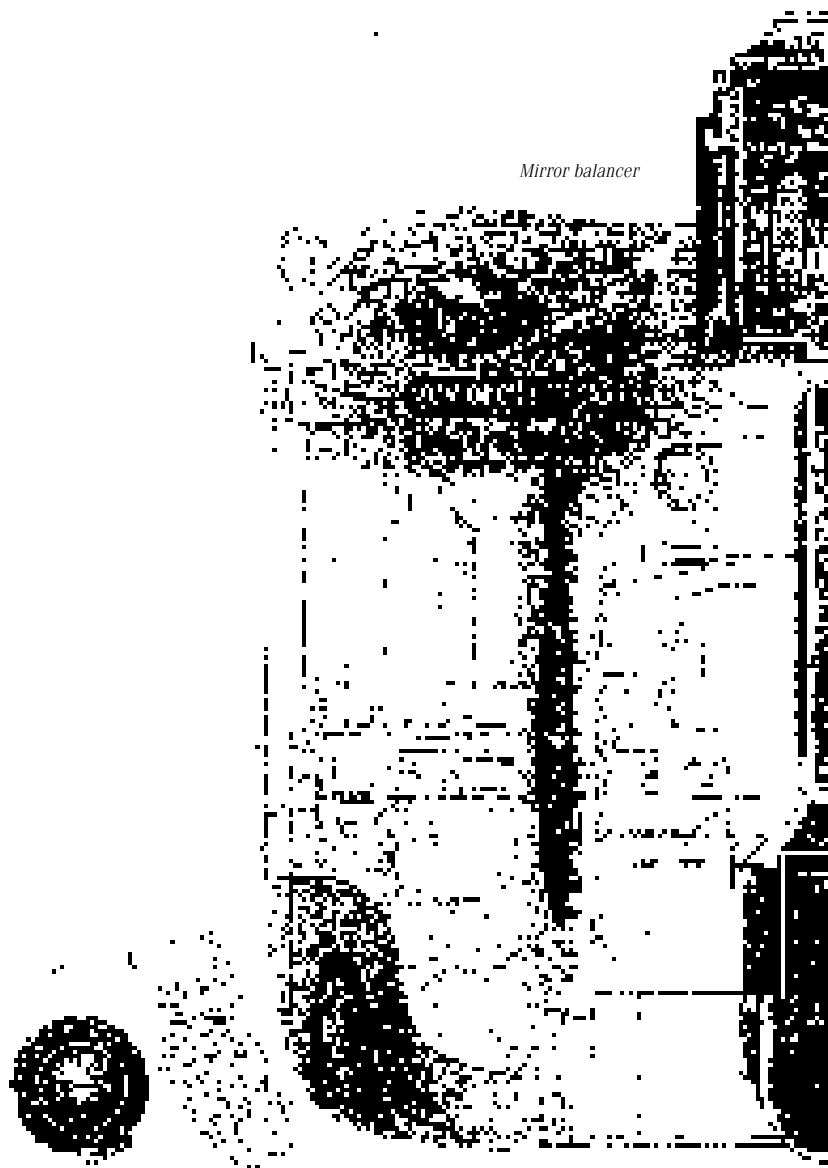
The focus area selector is located on the back of the camera, for convenient thumb operation. In addition to the traditional shutter release button, there's a second vertical grip shutter release button and an AF start button. And to overcome accidental changes in your selections, you can lock selected controls.

Mechanisms with reduced vibration and noise

If you could look inside the F5, you would see the foundation of its performance. A mirror balancer reduces noise and



Mirror balancer



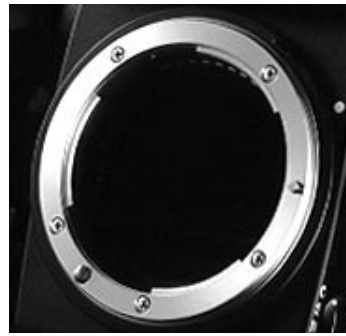
shrill. You'll approve when you hear it: whisper-quiet, smooth, stable.



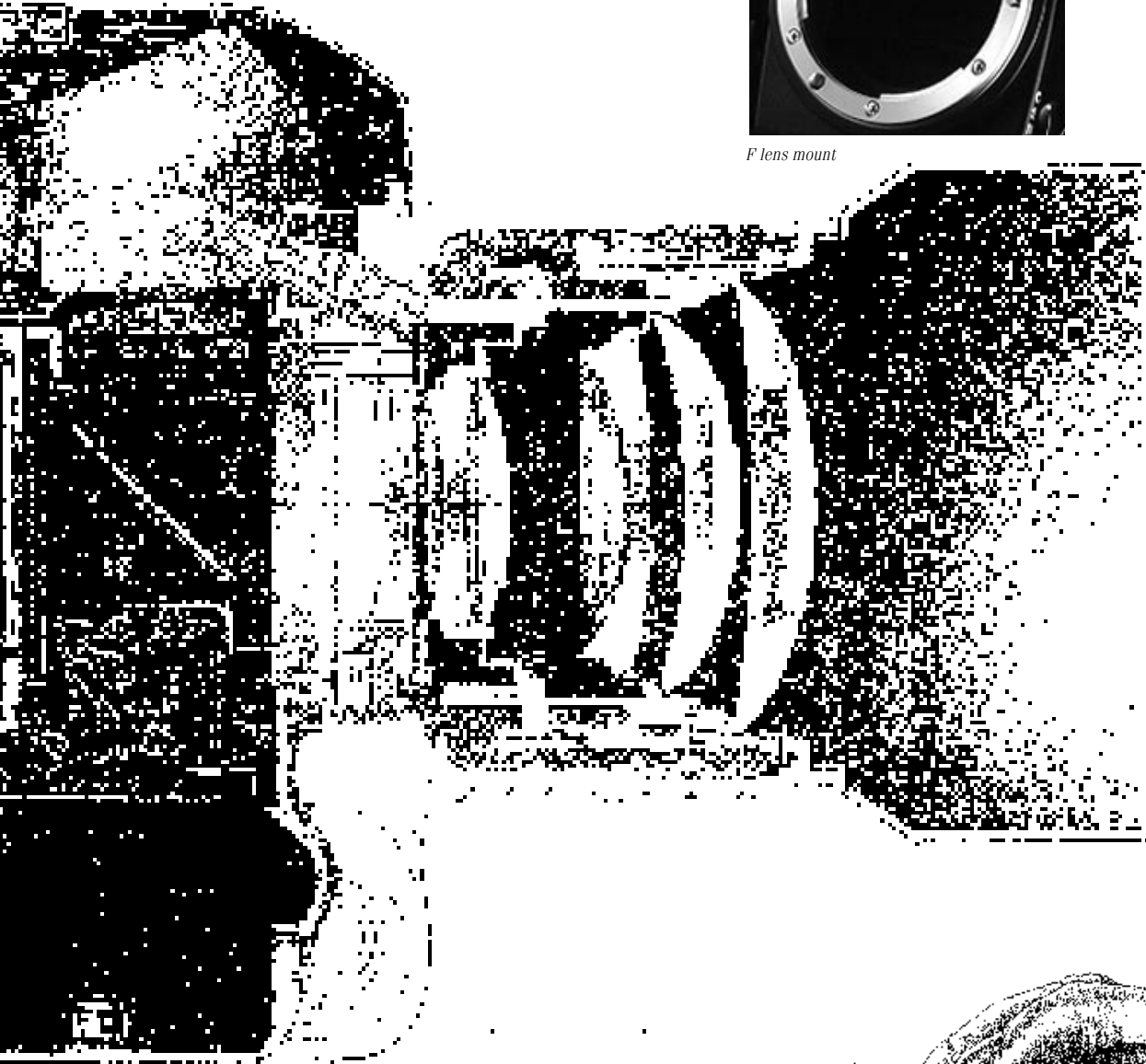
Newly developed Shutter Monitor for reliability

If you've ever experienced shutter failure—shutters that sound like they're working but are not, or that have become inaccurate due to fatigue and environmental stresses—you'll appreciate

the F5's Shutter Monitor.
Temperatures and other conditions
affect shutters, altering their perfor-
mance. Nikon's Shutter Monitor checks
the shutter every time it's released. If
it needs begin to shift from the calibrated

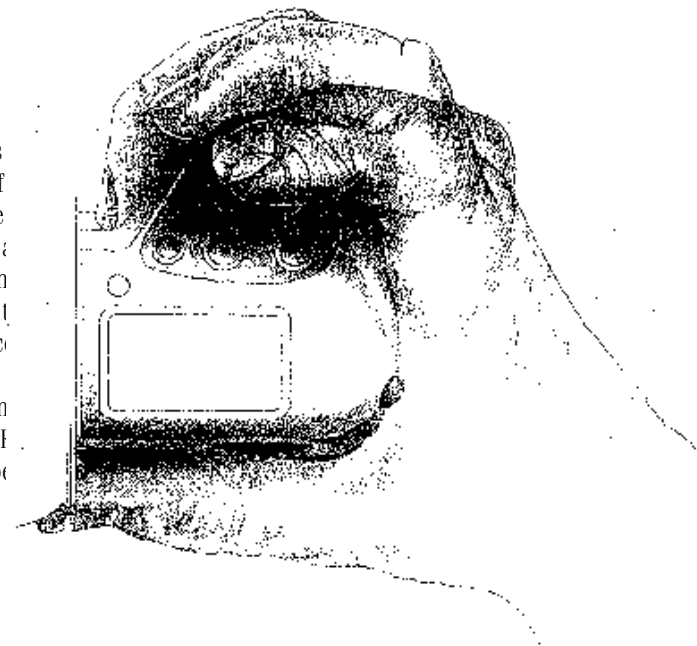


F lens mount



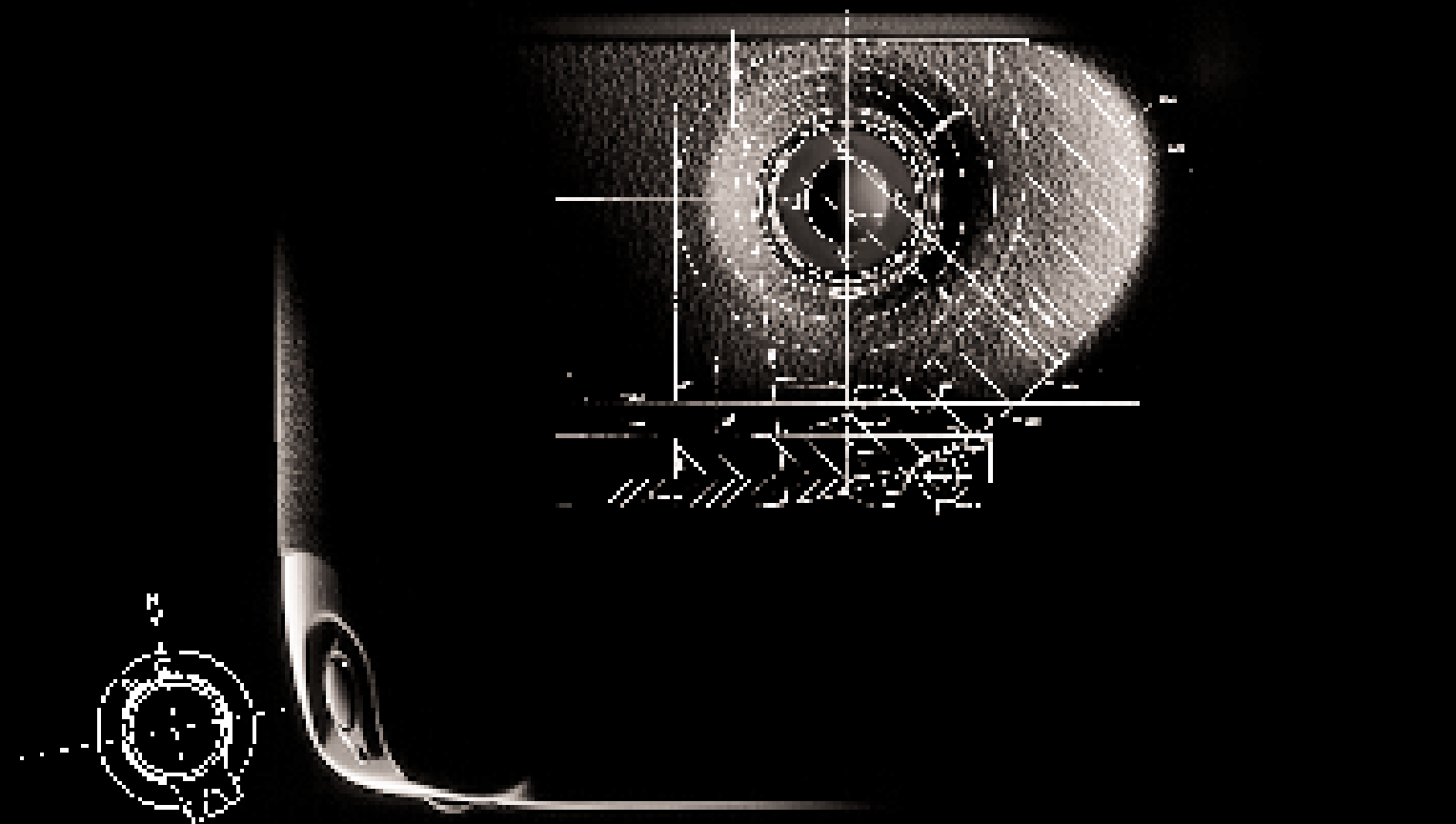
provide communication between the F5
and Nikkor lenses. It handles the world's
fastest autofocus system, more kinds of
lenses than all others, the world's most
advanced exposure control system, an
incomparable TTL flash system and more.
Through the
Nikon F lens mount's design, Nikon has
achieved what no other brand has—
providing unequalled value to users and
unparalleled opportunity to anyone who

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HOW VERSATILE IS 'VERSATILE'?



THIS VERSATILE.

The world's most comprehensive camera control system

Three light meters and four exposure modes

Four film advance modes

All-mode Exposure Compensation and Bracketing

Built-in Custom Settings

Complete flash control options

Integrated flash and available light exposure control

Versatile flash sync modes

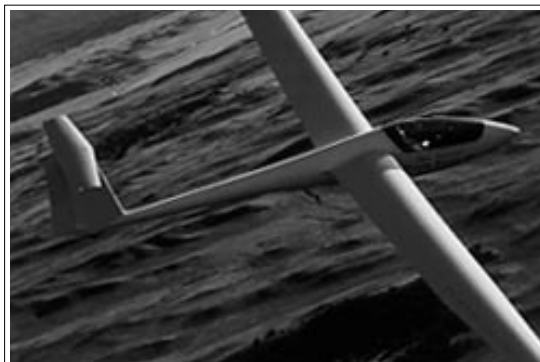
The world's most comprehensive photographic system

Interchangeable finders and finder screens

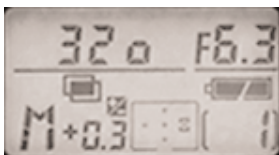
Multi-Control Back and Speedlights

Nikkor lenses including the innovative AF-S lenses

And that's just the beginning.



UNEQUALLED VERSATILITY TO MEET YOUR NEEDS.



Full exposure control

Programmed Auto automatically sets shutter and aperture. Flexible Program allows you to shift the shutter speed

and aperture combination while it instantly chooses an alternate setting for correct exposure. Shutter-Priority Auto gives you a choice of speeds from 1/8000 sec. to 30 full seconds, Aperture-Priority Auto lets you choose from the complete range of available apertures in 1/3 increments, and Manual gives you complete control. Using the Lock Control, settings will not change inadvertently. Also, the viewfinder's display shows your selections along with exposure status.

The F5 powerfully combines its full complement of light meters and exposure modes. You can use any of the three light meters—3D Colour Matrix, Centre-Weighted and Spot—with all of the exposure control modes. 3D Colour Matrix is perfect for automatic operation, but you can also use it effectively with Manual exposure control, too. Spot is perfect for manual exposure control, but with the F5's AE Lock, you can use it with any automatic exposure control mode, as well. And the classic Centre-Weighted Meter also works well with all exposure modes.

The F5's complete exposure management system will never get in your way—it's there for you to control. You get the benefits of automatic operation, with the advantages of manual control. No other system can match performance this versatile.

Focus mode selection

With the flexibility professional photographers need, the F5 is the best choice. Use Single Servo AF for one-at-a-time pictures, Continuous Servo AF for rapid-fire shooting at up to 8 frames per second. Or focus manually with the F5's Electronic Rangefinder or optional focusing screens. There's Focus Tracking to keep up with moving subjects, and Lock-On™ to overcome momentary interruptions in AF operation. With Single Area AF and Dynamic AF, you have five focus detection points. Complementing the cross-type sensors are a Wide-Cross Array; together, they cover the largest focus detection area—for both vertical and horizontal composition. And there's AF Start to give you the ultimate option for virtually instantaneous focus control.

Film advance mode

Choose from four film advance modes—Single (S), Continuous Low-Speed (CL) for up to approx. 3 frames per second, Continuous High-Speed (CH) for up to 8* frames per second, and Continuous Silent (CS) for nearly silent operation at approximately 1 frame per second.

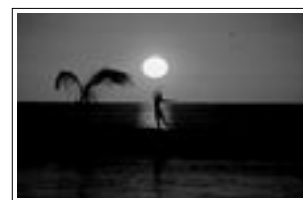
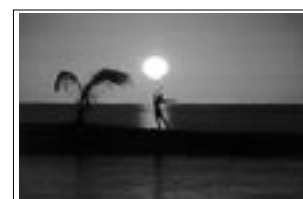
* With the Ni-MH Battery Unit MN-30 at normal temperatures.

AF and AE lock

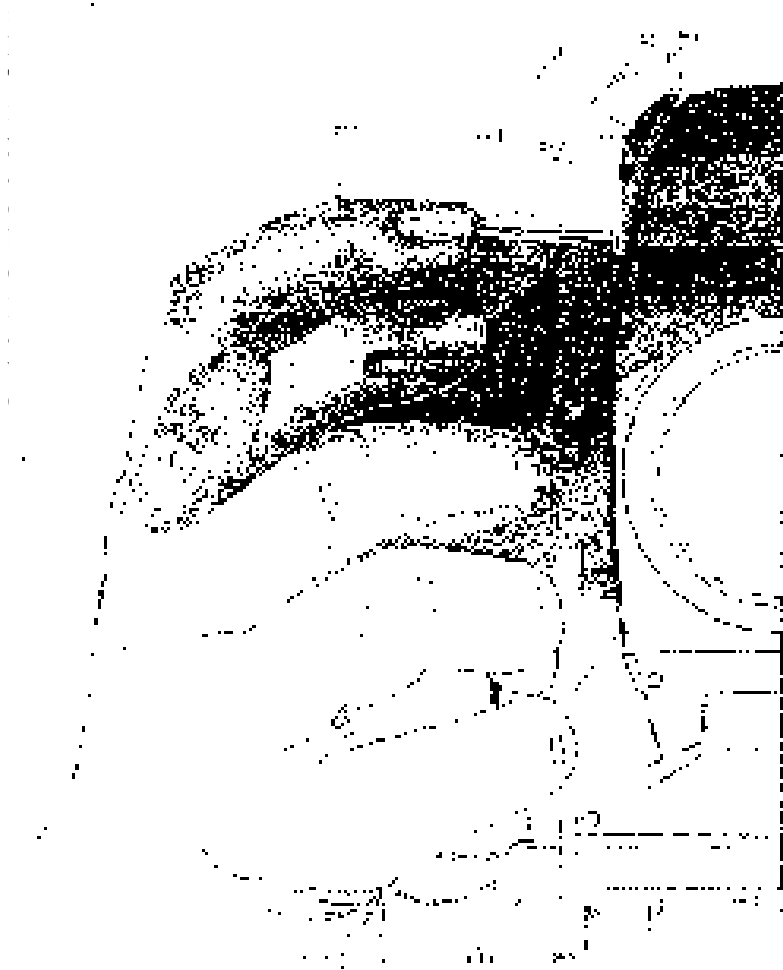
With Continuous Servo AF, you can lock focus and exposure simultaneously by pressing the AE-L/AF-L button; with Custom Setting #21, you can separate the button's autofocus and auto exposure functions.

Exposure compensation and bracketing

You can manually control exposure compensation from +5 EV to -5 EV in 1/3 EV steps. Automatic Bracketing is built-in and allows you to take two or three consecutive pictures of the same scene with changing EV values in increments of 1/3, 2/3 and 1 EV. With Custom Setting #3, you can select the order of the compensation, too, and your choice will be



Auto Exposure Bracketing
(Original value, -1/3 EV, +1/3 EV)





Slow Sync



Multiple Exposure

Full flash control modes

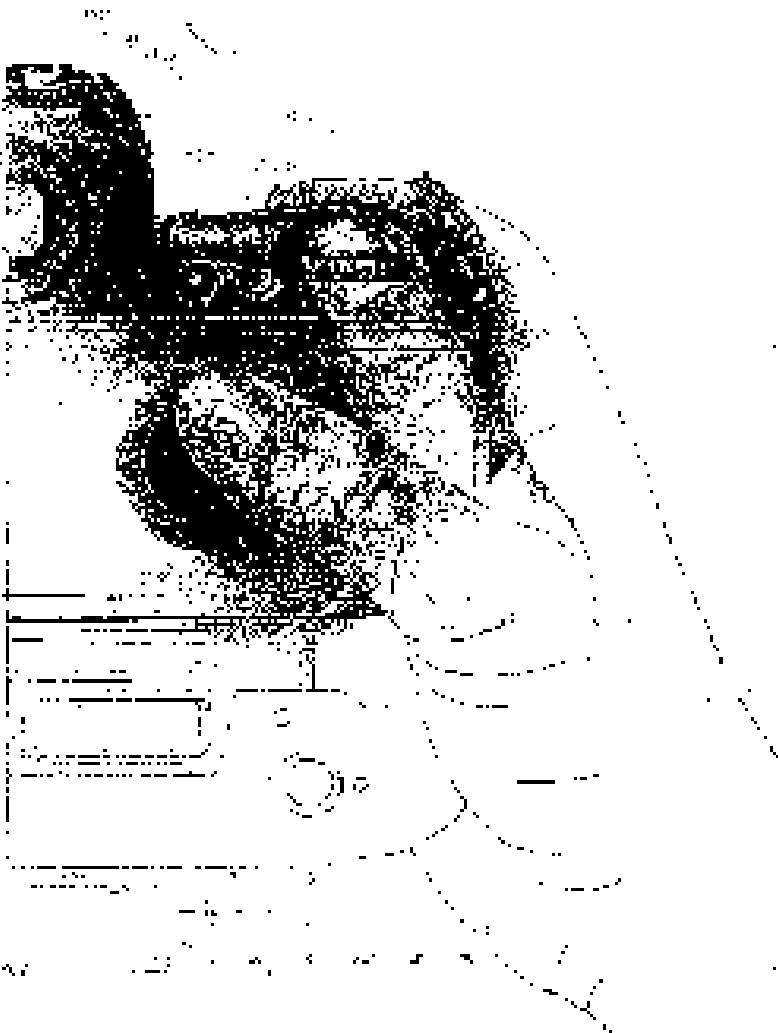
With Nikon Speedlights such as the SB-80DX, Nikon's 3D Multi-Sensor Balanced Fill-Flash gives you the best of both worlds — automatic and manual. You can use it with an automatic exposure control mode — Programmed, Shutter-Priority Auto or Aperture-Priority Auto — and it will work perfectly. You get total automation. Or you can use it with the Manual exposure mode. With Manual, you control shutter speed and aperture, yet the 3D Multi-Sensor Balanced Fill-Flash gives you the automation you need for the utmost fill-flash precision, with versatility. You can also make exposure compensation adjustments on the

- #2 Single Servo AF: Change from focus to release-priority
 - #3 Bracketing order: Change the order to below the original value, the original value and above the original value
 - #4 Autofocus activation: Delete shutter release button's AF activation function
 - #5 AE Lock: Lock shutter speed or aperture
 - #6 Command Dial rotation: Change from left-to-right to right-to-left
 - #7 Exposure lock: Lightly press shutter release button
 - #8 Automatic film advance to frame #1: when you close camera back
 - #9 CH mode: Change from 8 fps to 6 fps
 - #10 CL mode: Change from 3 fps to 5 fps or 4 fps
 - #11 Bulb exposure indicator: Alert LED blinks during Bulb exposure
 - #12 Film advance stop: Set to #35 or #36
 - #13 Multiple exposure operation: Maintained even after shutter release
 - #14 Centre-Weighted Meter: Change 12mm-dia. area to 8, 15, 20mm or average metering
 - #15 Meter ON duration: Choose from 4, 8, 16 or 32 sec.
 - #16 Self-timer delay time: Choose from 2 to 60 sec.
 - #17 Manual exposure bracketing: Shift flash output level, aperture or aperture/shutter speed combination
 - #18 Focusing screen compensation
 - #19 Prolonged shutter speeds: Choose from 40 sec. to 30 minutes duration
 - #20 Top flash sync speed: Choose from 1/60 sec. to 1/300 sec.
 - #21 AE-L/AF-L button: Change to AF lock only or AE lock only
 - #22 Sub-Command Dial's aperture setting function: Disable
 - #23 Front/back focus indication in AF: Cancels ► and ◀ indication during autofocus operation
 - #24 Bracketing: Perform without affecting flash exposure or ambient light exposure
- (With a personal computer, you can further customise your F5. See page 26 for details.)



Two-Button Reset

By simultaneously pressing the green Bracketing (BKT) and Custom Setting Menu (CSM) buttons for over two seconds, you cancel all the settings you've customised (A or B at Custom Setting #0), returning the F5 to its standard settings.



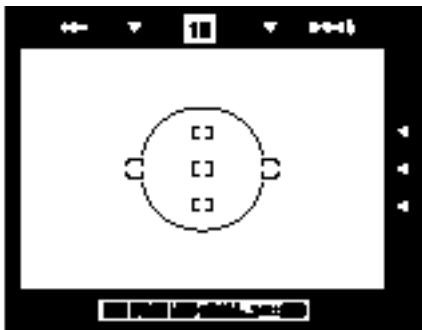
NOMENCLATURE/ CONTROLS



- ① Exposure compensation (☒) button
- ② Exposure mode (**MODE**) button
- ③ AF area mode button (E-F)
- ④ Sub-Command Dial
- ⑤ Depth-of-field preview button
- ⑥ Mirror lockup lever
- ⑦ Sync terminal
- ⑧ Self-timer indicator LED
- ⑨ Lens release button
- ⑩ Focus mode selector
- ⑪ Accessory shoe
- ⑫ Camera strap eyelet
- ⑬ Battery holder
- ⑭ Battery holder release knob
- ⑮ Film rewind lever 2
- ⑯ Film rewind lever 2 lock release
- ⑰ Alert LED
- ⑱ Finder release button
- ⑲ Eyepiece shutter lever
- ⑳ Viewfinder eyepiece
- ㉑ Auto Exposure/Autofocus Lock (**AE-L/AF-L**) button
- ㉒ AF start (**AF-ON**) button
- ㉓ Main-Command Dial
- ㉔ Film cartridge confirmation window
- ㉕ Focus area selector
- ㉖ Film rewind button 1
- ㉗ 10-pin remote terminal
- ㉘ Rear control panel cover
- ㉙ Rear LCD panel
- ㉚ AF start button for vertical shooting
- ㉛ Film speed (**ISO**) button
- ㉜ Flash sync mode () button
- ㉝ Auto Exposure/Flash Exposure Bracketing (**BKT**) button
- ㉞ Shutter speed/aperture/focus area lock (**L**) button
- ㉟ Custom Setting Menu (**CSM**) button
- ㊱ Dioptre adjustment knob
- ㊲ Metering system selector
- ㊳ Camera strap eyelet
- ㊴ Vertical-shooting shutter release button
- ㊵ Lock lever for vertical-shooting shutter release button
- ㊶ Film advance mode selector lock release
- ㊷ Camera back lock release
- ㊸ Interchangeable focusing screen
- ㊹ Multiple exposure () button
- ㊺ Power/LCD panel illumination switch
- ㊻ Shutter release button
- ㊼ Power switch lock release
- ㊽ Film rewind crank
- ㊾ Film rewind knob
- ㊿ Film advance mode/self-timer selector
- 1 Film plane indicator
- 2 Top LCD panel

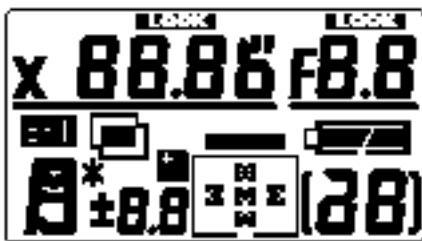


Viewfinder Information



- | | |
|---|---|
| ① Focus area indicators | ⑨ Shutter speed lock indicator |
| ② Exposure level | ⑩ Aperture lock indicator |
| ③ 12mm-dia. reference circle for Centre-Weighted Metering | ⑪ Exposure mode |
| ④ Focus brackets/Spot Metering (4mm-dia.) area | ⑫ Exposure compensation |
| ⑤ Ready light | ⑬ Metering system |
| ⑥ Focus indicators | ⑭ Shutter speed |
| ⑦ Aperture direct-readout | ⑮ Aperture |
| ⑧ Focus area indicators | ⑯ Electronic analogue exposure display |
| | ⑰ Frame counter/exposure compensation value |

Top LCD Panel Indications



- | | |
|---|---------------------------|
| ① Shutter speed lock | ⑧ Aperture lock |
| ② Shutter speed | ⑨ Aperture |
| ③ Multiple exposure | ⑩ Focus area lock |
| ④ Auto Exposure/Flash Exposure Bracketing | ⑪ Battery level |
| ⑤ Exposure mode | ⑫ Frame counter |
| ⑥ Flexible Program | ⑬ Focus area/AF area mode |
| ⑦ Exposure compensation value | ⑭ Exposure compensation |

Rear LCD Panel Indications



- | | |
|--|-------------------------|
| ① Film speed/bracketing information/custom setting | ④ Bracketing bar graphs |
| ② Film speed setting mode | ⑤ Flash sync mode |
| ③ Auto Exposure/Flash Exposure Bracketing | ⑥ PC link connection |
| | ⑦ Custom setting |



Main-Command Dial

Used to select shutter speed on Shutter-Priority Auto or Manual. Also used for Flexible Program and various other purposes.



Sub-Command Dial

Primarily used to select aperture on Aperture-Priority Auto or Manual.



Focus Area Selector

By simply pressing one of the arrows, you can select one of the five focus areas. A quick diagonal shift from one area to another is also possible.



AE-L /AF-L Button

Simultaneously locks both exposure and focus. Use Custom Setting #21 to make it exposure lock only or focus lock only.



AF Start Buttons

There are two AF start buttons — one for regular horizontal composition and the other for vertical composition. You can activate AF operation by pressing one of these buttons or the shutter release buttons. No custom setting is necessary to use these buttons—they work full-time.



Mirror Lockup Lever

The reflex mirror can be set in the lock up position when you want zero-mirror vibration.



Sync Terminal

Accepts all standard PC type plug-in flash sync cords.



Eyepiece Shutter

During self-timer operation or for remote use, you can cover the eyepiece to prevent unwanted light from coming in and adversely affecting exposure.



Dioptr Adjustment

Enables near- or far-sighted photographers to adjust the eyepiece dioptr within a range from -3 to +1m⁻¹.



Depth-of-Field Preview Button

Simple press of the button electronically stops lens down to the aperture set in any exposure mode, enabling you to examine the zone of sharpest focus before shooting.



LCD Panel Illuminator

By rotating the power switch, you can illuminate both LCD panels; automatically goes off when meter switches off.



AF Area Mode Button (E3)

Lets you choose Dynamic AF or Single Area AF mode.



Manual ISO Film Speed Setting

You can manually select the film speed from ISO 6 to 6400 in 1/3 steps. The smaller LCD shows the setting. DX automatic operation is also available.



Manual Film Rewind

You can use power-rewind, or rewind the film by hand—perfect for when silence is required.



10-Pin Remote Terminal

Accepts Personal Computer Connecting Cord MC-33 or MC-34, Remote Cord MC-20 or MC-30, Modulite Remote Control Set ML-3 and other accessories.

THE SYSTEM

Nikkor Lenses



Nikkor lenses

The F5 features the Nikon F lens mount which gives you access to the complete lineup of Nikon lenses including a wide range of non-AF Nikkor lenses. Once you use a Nikkor lens, you'll see the reason why so many professionals depend on them for quality results.

The extensive Nikkor range includes Micro, Defocus Control, Perspective Control, Super Wide and Telephoto Nikkor lenses, as well as AF-S Nikkors featuring lens-integrated autofocus drive control (see below). There is also a VR Nikkor lens that features an innovative Vibration Reduction System to minimise image blur caused by camera shake.

Innovative AF-S Nikkor Lenses

Built-in SWMs give Nikon's AF-S Nikkor lenses ultra-fast and quiet autofocus operation. Thanks to Nikon's Internal Focusing (IF) technology, the lens barrel doesn't extend, providing better overall camera balance. The lens' CPU provides data interface with the camera body, as well as with the subject-to-camera Distance Information used for exposure metering. Nikon's performance-proven Extra-low Dispersion (ED) glass and Nikon Super Integrated Coating (SIC) are also used to assure superb optical quality.

COMPATIBLE LENSES

AF Nikkors

- AF-S 17-35mm f/2.8D IF-ED
- AF 18-35mm f/3.5-4.5D IF-ED
- AF 24-50mm f/3.3-4.5D
- AF 24-85mm f/2.8-4D IF
- AF-S 24-85mm f/3.5-4.5G IF-ED
- AF 24-120mm f/3.5-5.6D IF
- AF-S 28-70mm f/2.8D IF-ED
- AF 28-80mm f/3.3-5.6G
- AF 28-100mm f/3.5-5.6G
- AF 28-105mm f/3.5-4.5D IF
- AF 28-200mm f/3.5-5.6D IF
- AF 35-70mm f/2.8D
- AF-S VR 70-200mm f/2.8G IF-ED
- AF 70-300mm f/4-5.6D ED
- AF 70-300mm f/4-5.6G
- AF-S 80-200mm f/2.8D IF-ED
- AF 80-200mm f/2.8D ED
- AF VR 80-400mm f/4.5-5.6D ED
- AF 14mm f/2.8D ED
- AF 18mm f/2.8D

- AF 20mm f/2.8D
- AF 24mm f/2.8D
- AF 28mm f/1.4D
- AF 28mm f/2.8D
- AF 35mm f/2D
- AF 50mm f/1.4D
- AF 50mm f/1.8D
- AF 85mm f/1.4D IF
- AF 85mm f/1.8D
- AF 180mm f/2.8D IF-ED
- AF 300mm f/2.8 IF-ED
- AF-S 300mm f/2.8D IF-ED II
- AF-S 300mm f/4D IF-ED
- AF-S 400mm f/2.8D IF-ED II
- AF-S 500mm f/4D IF-ED II
- AF-S 600mm f/4D IF-ED II
- AF-I Teleconverter TC-14E
- AF-S Teleconverter TC-14E II
- AF-I Teleconverter TC-20E
- AF-S Teleconverter TC-20E II
- AF Fisheye 16mm f/2.8D
- AF Micro 60mm f/2.8D
- AF Micro 105mm f/2.8D

- AF Micro 200mm f/4D IF-ED
- AF Micro 70-180mm f/4.5-5.6D ED
- AF DC 105mm f/2D
- AF DC 135mm f/2D

AI-P-type Nikkors

- 45mm f/2.8 P
- 500mm f/4 P IF-ED

AI- and AI-S-type Nikkors

- 28-85mm f/3.5-4.5
- 35-70mm f/3.3-4.5
- 35-105mm f/3.5-4.5
- 35-200mm f/3.5-4.5
- 70-210mm f/4.5-5.6
- 15mm f/3.5
- 18mm f/3.5
- 20mm f/2.8
- 24mm f/2
- 24mm f/2.8
- 28mm f/2
- 28mm f/2.8

- 35mm f/1.4
 - 35mm f/2
 - 50mm f/1.2
 - 50mm f/1.4
 - 50mm f/1.8
 - 85mm f/1.4
 - 105mm f/1.8
 - 105mm f/2.5
 - 135mm f/2
 - 135mm f/2.8
 - 180mm f/2.8 ED
 - 200mm f/2 IF-ED
 - 300mm f/2.8 IF-ED
 - 400mm f/3.5 IF-ED
 - 600mm f/5.6 IF-ED
 - 800mm f/5.6 IF-ED
 - Micro 55mm f/2.8
 - Micro 105mm f/2.8
 - Micro 200mm f/4 IF
 - PC Micro 85mm f/2.8D
- Other Nikkors**
- Reflex 500mm f/8
 - Reflex 1000mm f/11
 - PC 28mm f/3.5

Lens Compatibility Chart (IX-Nikkor lenses cannot be used.)

Lens	Focusing		Exposure mode				Metering system		
	AF	Electronic Range-finder ¹	P mode	S mode	A mode	M mode	Colour Matrix	Centre-Weighted	Spot
AF-S & D-/G-type AF Nikkors⁶	✓	✓	✓	✓	✓ ²	✓ ²	✓ ³	✓ ⁴	✓ ⁵
AF-S & AF-I Teleconverters⁷	✓ ¹	✓	✓	✓	✓ ²	✓ ²	✓ ³	✓ ⁴	✓ ⁵
Non-D-type AF Nikkors	✓	✓	✓	✓	✓ ²	✓ ²	✓	✓ ⁴	✓ ⁵
AI-P-type Nikkors	—	✓	✓	✓	✓ ²	✓ ²	✓	✓ ⁴	✓ ⁵
AI-type Nikkors	—	✓	—	—	✓	✓	—	✓	✓
Reflex-Nikkors	—	—	—	—	✓	✓	—	✓	✓
PC-Nikkor	—	✓ ⁸	—	—	✓ ⁹	✓	—	✓ ⁸	✓ ⁸
D-type PC-Nikkor¹⁰	—	✓ ¹¹	—	—	—	✓	✓	✓	✓
AI-type Teleconverters	—	✓	—	—	✓	✓	—	✓	✓
Bellows Focusing Attachment PB-6¹²	—	✓	—	—	✓	✓	—	✓	✓

✓ Compatible — Incompatible

- 1 With maximum effective aperture of f/5.6 or faster.
- 2 Aperture is selected via Sub-Command Dial or lens aperture ring if available (Custom Setting #22).
- 3 3D Colour Matrix Metering is selected.
- 4 Size of the sensing area can be changed by Custom Setting #14.
- 5 Metering area corresponds to the selected focus area.

- 6 G-type Nikkor has no aperture ring. Aperture should be selected from camera body.
- 7 Compatible with AF-S and AF-I Nikkor lenses except AF-S 17-35mm f/2.8D IF-ED, AF-S 24-85mm f/3.5-4.5G IF-ED and AF-S 28-70mm f/2.8D IF-ED.
- 8 Without shift.
- 9 Exposure determined by presetting lens aperture. Exposure must also be determined before shifting; use AE-L/AF-L button before shifting.
- 10 The camera's exposure metering and flash control system do not work properly when shifting and/or tilting the lens, or when using an aperture other than the maximum aperture.
- 11 Without shifting and/or tilting the lens.
- 12 Auto Extension Ring PK-11A, 12 or 13 is necessary.

THE SYSTEM

Viewing Accessories



DP-30



DA-30



DW-31



DW-30

INTERCHANGEABLE VIEWFINDERS

The standard Multi-Meter Finder is interchangeable with three other optional viewfinders, all of which offer virtually 100% frame coverage.

Multi-Meter FINDER DP-30

High-eyepoint type. Incorporates a built-in dioptre adjustment knob -3 to $+1\text{m}^{-1}$, ISO-standard accessory shoe, eyepiece shutter and metering system selector.

AE Action FINDER DA-30

Ideal when 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.

6x High-Magnification FINDER DW-31

For critical high-magnification close-up work and photomicrography. The sophisticated optical system provides a clear, sharp view of the entire image at an approx. $6\times$ magnification. Fitted with a -5 to $+3\text{m}^{-1}$ dioptre adjustment for individual eyesight correction. Rubber eyecup and rubber eyepiece cap are provided.

Waist-Level FINDER DW-30

For use when the F5 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. $5\times$ magnification at the centre of the image for accurate focusing.



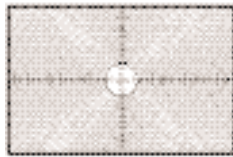
Types EC-B, B, U



Types EC-E, E



Type C



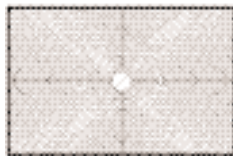
Type M



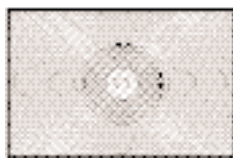
Type J



Type A



Type L



Types G1-4

INTERCHANGEABLE FOCUSING SCREENS

These special Nikon optics are ideal for manual focusing and as composition aides, and do not affect the F5's autofocus operation. All are made of Nikon ground glass. Types EC-B, EC-E, A, B, E, G1-4, J, L and U incorporate focus brackets for five focus areas; Types EC-B, EC-E, A, B, E, J, L and U, a 12mm circle for Centre-Weighted Metering. Additionally, Types EC-B, EC-E, A, B, E, C, J and U feature an advanced Brite-View configuration for the brightest, clearest images.

Type EC-B: This standard screen shows the focus area selected and offers unobstructed viewing and easy focusing on their overall matte surfaces.

Types B, U: These offer unobstructed viewing and easy focusing on their overall matte surfaces. Type U is for lenses longer than 200mm.

Types EC-E, E: The grid patterns of these screens help you to compose a picture. Type EC-E shows the focus area selected and offers unobstructed viewing and easy focusing.

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

Type J: The microprism is great for general photography.

Types A, L: Features a matte Fresnel field with split-image range finder and microprism collar.

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



DR-4



DG-2



Eyepiece Correction Lenses



DK-7



DK-2

VIEWING ATTACHMENTS

Eyepiece Correction Lenses

The same size models as those for the F3 high-eyepoint and F4. These enable nearsighted and farsighted photographers to view the finder image accurately without having to wear their glasses. Five lenses are available, from -3 to $+2\text{m}^{-1}$.

Rubber Eyecup DK-2

Increases viewing comfort and prevents stray light from entering the viewfinder.

Right-Angle Viewing Attachment DR-4

Provides an upright and unreversed image with right-angle viewing. Individual eyesight adjustment possible. Perfect for copy work.

Eyepiece Magnifier DG-2

Provides $2\times$ magnification of the central portion of the finder image. Eyesight adjustment is provided.

Eyepiece Adapter DK-7

Allows you to attach the DG-2 to the eyepiece of the Multi-Meter Finder DP-30.

Antifog Finder Eyepiece DK-14

This eyepiece features a transparent plastic plate with a special surface coating which reduces fogging on the eyepiece.

THE SYSTEM

Camera Backs/Speedlights



MF-28



MF-27



The MF-28 can imprint copyright indication. It provides identification for film immediately upon processing and supplements copyright protection. Fully enforceable copyright protection requires additional legal action by the photographer.

OPTIONAL CAMERA BACKS

Multi-Control Back MF-28

The optional MF-28 enables the imprinting combination of data in-frame (7 segments, 6 digits; 1) year/month/day, 2) month/day/year, 3) day/month/year, 4) day/hour/minute, 5) hour/minute/second, 6) film number, 7) serial upcount number or 8) fixed number) or between-frame (alphanumeric, 22 digits; 1) year/month/day/hour/minute/second, 2) year/month/day/hour/up to 8 characters, 3) month/day/hour/minute/up to 8 characters, 4) day/hour/minute/second/up to 8 characters, 5) up to 22 characters, 6) film number, 7) shutter speed/aperture, 8) compensation value in Auto Bracketing, or 9) caption up to 18 characters/year).

In addition, the MF-28 enables the F5 to function in more advanced ways — Interval Timer: Commencement time, interval time, number of shots taken and number of intervals can be input. Long Time Exposure: You can choose any duration from one second up to 999 seconds, 999 minutes or 999 hours. Auto Bracketing: You can shoot up to 9 continuous frames, each with a different exposure.

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

Data Back MF-27

Imprints selected date and time information within each frame.



SB-80DX



SB-50DX



SPEEDLIGHTS AND ACCESSORIES

Speedlight SB-80DX

This high-performance speedlight features: Powerful guide number of 56 when zoom head is set at 105mm or 38 at 35mm (ISO 100, m). Flash coverage up to 105mm in 5mm zoom steps. Monitor Pre-flash. Repeating flash. FP High-Speed Sync. Built-in AF-assist illuminator. Tilt-rotate flash head. Built-in wide flash adaptor for 14mm wideangle lens coverage. Manual control operability. Modelling flash and wireless slave flash capability. Plus a new dedicated soft dome to create soft lighting.

Speedlight SB-50DX

The compact, multifunctional SB-50DX offers a guide number of 22 (ISO 100, m; with zoom head set at 35mm), Monitor Pre-flash, Wireless Slave Flash function, close-up shooting to approx. 30cm, Infrared Filter SW-9IR for triggering the wireless slave units, tilting flash head from -18° to $+90^{\circ}$ for bounce flash shooting, flash covering from 24 to 50mm (14mm with built-in wide-flash adaptor), AF-Assist Illuminator and diffuser for built-in Speedlight.

Speedlight SB-30

The highly compact, portable SB-30 offers a guide number of 16 (ISO 100 m; with zoom head set at 28mm), close-up shooting, 17mm flash coverage with built-in wide flash adaptor, TTL wireless slave flash capability, and a built-in IR (infrared) panel which allows the SB-30 to be used as an infrared remote commander. The SB-30 can be folded down when not in use.

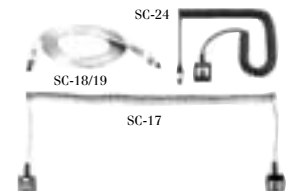


SU-4

Wireless Slave Flash Controller SU-4

When connected to one of the Nikon Speedlights, this enables wireless TTL multiple flash control, while using another Nikon Speedlight attached to the F5 as a master unit.

Note: You have to cancel Monitor Pre-flash before using the SU-4 for wireless slave flash operation.



TTL Remote Cords (SC-17/ SC-18/ SC-19/ SC-24)

TTL Remote Cord SC-17 enables connection of up to two Speedlight units through TTL Multi-Flash Sync Cord SC-18/SC-19 for TTL multi-flash photography. TTL Remote Cord SC-24 is used for TTL flash control with the Waist-Level Finder DW-30 or 6x High-Magnification Finder DW-31.

THE SYSTEM

Close-Up & Remote Control
Accessories/Power Sources



CLOSE-UP ACCESSORIES

Auto Extension Rings PK-11A/12/13

Slides on and off your camera in seconds for a wide range of reproduction ratios.

Bellows Attachment PB-6

Mounts between the F5 and the lens for close-up and macro photography. An

Auto Extension Ring is required when the PB-6 is used with the F5. Optional accessories include PB-6E Extension Bellows, PB-6M Macro Copy Stand and PS-6 Slide Copying Adaptor.

Macro Adapter Ring BR-2A

Enables lenses to be mounted in reverse for a relatively high reproduction ratio.

Focusing Stage PG-2

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

Close-Up Attachment Lenses

Provides an easy way to explore close-up photography.

TTL Macro Speedlight SB-29s

Gives you the choice of flash front lighting or selective relief lighting.

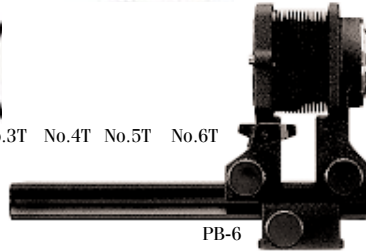
SB-29s



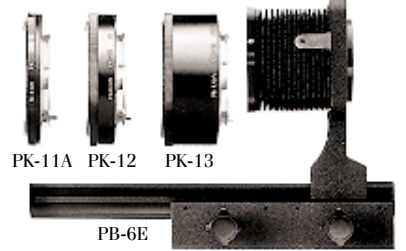
PS-6



No.0 No.1 No.2 No.3T No.4T No.5T No.6T



PB-6



PK-11A PK-12 PK-13

PB-6E



PB-6M



ML-3



MC-20



MC-30



MC-21



MC-23



MC-25



Ni-MH Battery Charger MH-30

MN-30

MC-32

REMOTE CONTROL ACCESSORIES

Modulite Remote Control Set ML-3

Provides infrared LED beam remote control for two separate channels to enable automatic camera operation from a distance up to 8 metres.

Remote Cord MC-20 (0.8m)

Enables remote firing of the F5 and setting of long time exposures up to 9 hrs. 59 min. 59 sec. The LCD tells you the exposure time.

Remote Cord MC-30 (0.8m)

Enables remote firing with a trigger-lock function.

Extension Cord MC-21 (3m)

Used with MC-20 or MC-22.

Connecting Cord MC-23 (0.4m)

Connects two F5 cameras for simultaneous shutter release.

Adaptor Cord MC-25 (0.2m)

Enables the use of Remote Cord MC-12B, Radio Control Set MW-2 and Modulite Remote Control Set ML-2.

POWER SOURCES

The standard MS-30 battery holder accepts eight AA-type batteries. The optional Ni-MH Battery Unit MN-30 maximises power and speed. And External Power Cord MC-32 with two banana-type plugs connects 12V DC external power source to the F5.

SPECIFICATIONS

Type of camera: Integral-motor autofocus 35mm single-lens reflex

Picture format: 24 × 36mm [standard 35mm (135) format]

Lens mount: Nikon F mount

Lenses usable: Nikkor and Nikon lenses having Nikon F mount*

* *With limitations; see chart on p. 22*

Focus mode: Autofocus, and Manual with Electronic Rangefinder

AF Area mode: Single Area AF and Dynamic AF selectable

Autofocus area: Five selectable focus areas

Autofocus mode: Single Servo AF with Focus-Priority and Continuous Servo AF with Release-Priority

Focus Tracking: Automatically activated when subject moves

Autofocus detection system: Nikon Multi-CAM1300 autofocus module

Autofocus detection range: Approx. EV -1 to +19 (at ISO 100)

Autofocus lock: Possible once stationary subject is in focus in Single Servo AF; in Continuous Servo AF, focus can be locked with AE-L/AF-L button

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

Exposure metering: Three built-in exposure meters — 3D Colour Matrix, Centre-Weighted and Spot

Metering range (at ISO 100 with f/1.4 lens): EV 0 to 20 in 3D Colour Matrix and Centre-Weighted, EV 2 to 20 in Spot

Exposure meter ON/OFF: Activated by shutter release button or AF start button is pressed or when other camera controls are operated; automatically turns off after 8 seconds or the duration set at camera's Custom Setting menu #15, or when camera is switched OFF

Exposure mode: Programmed Auto, Shutter-Priority Auto, Aperture-Priority Auto and Manual

Programmed auto exposure control: Camera sets both shutter speed and lens aperture automatically; Flexible Program possible in increments of 1/3 EV

Shutter-priority auto exposure control:

Aperture automatically selected to match manually set shutter speed

Aperture-priority auto exposure control:

Automatically selected shutter speed to match manually set aperture

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

Exposure compensation: With exposure compensation button; ±5 EV range, in 1/3 EV steps

Auto Exposure/Flash Exposure Bracketing: Number of shots: two or three; compensation steps: 1/3, 1/2, 2/3 or 1 steps

Auto exposure lock: By pressing AE-L/AF-L button while meter is on

Multiple exposure:

Activated with Multiple exposure button

Shutter:

Electromagnetically controlled vertical-travel focal-plane shutter

Shutter speeds: Lithium niobate oscillator-controlled speeds from 1/8000 to 30 sec. (in 1/3 steps); electromagnetically controlled Bulb setting

Viewfinder: Nikon Multi-Meter Finder DP-30 provided as standard; fixed eye-level pentaprism high-eyepoint type; 0.70× magnification with 50mm lens set at infinity; approx. 100% frame coverage; metering system selector, dioptre adjustment knob, accessory shoe and eyepiece shutter lever provided; interchangeable with Nikon AE Action Finder DA-30, 6× High-Magnification Finder DW-31 and Waist-Level Finder DW-30

Eyepoint: Approx. 20.5mm

Eyepiece shutter: Provided

Focusing screen: Nikon advanced EC-B-type screen; interchangeable with 13 other optional screens

Viewfinder information: LCD shows metering system, focus indication, exposure mode, shutter speed, aperture, electronic analogue exposure display, frame counter/exposure compensation value and exposure compensation mark;

exposure level indicators, flash ready-light LED, aperture direct-readout, focus indicators and focus area indicators are also shown

Top LCD panel information: Shutter speed, aperture, exposure mode, AF Area mode, focus area, Flexible Program mark, exposure compensation mark, frame counter, exposure compensation value, exposure bracketing mark, multiple exposure mark, shutter speed/aperture/focus area position lock marks and battery power

Rear LCD panel information: Flash sync, film speed, DX mark, Custom mark, exposure bracketing indications and PC Link mark



LCD panel illumination: LCD panel illuminated by rotating power/LCD panel illumination switch

Film speed range: ISO 25 to 5000 for DX-coded film; ISO 6 to 6400 can be manually set

Film speed setting: At DX position, automatically set to ISO speed of DX-coded film used; manual setting possible (ISO 6 to 6400)

Film loading: Film automatically advances to first frame when shutter release button is depressed once

Film advance: In single-frame shooting mode, film automatically advances one frame when shutter is released; in CH (Continuous High), CL (Continuous Low) or CS (Continuous Silent) shooting mode, shots are taken as long as shutter release button is depressed; shooting speed is approx. 8 fps in CH mode, approx. 3 fps in CL mode, and approx. 1 fps in CS mode using

Ni-MH Battery Unit MN-30; shooting speed is approx. 7.4 fps in CH mode, approx. 3 fps in CL mode, and approx. 1 fps in CS mode using AA-type batteries

Frame counter: Additive type; counts back while film is being rewound

Film rewind: Choice of automatic or manual; automatically rewinds when film rewind button 1 and lever 2 are used; takes approx. 4 sec. with Ni-MH battery unit and 6 sec. with eight AA-type batteries per 36-exposure roll; stops automatically when film is rewound; manual rewind when film rewind button 1 and film rewind crank are used



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

Depth-of-field preview button: Provides visual verification of depth of field

Reflex mirror: Automatic, instant-return type

Camera back: Hinged back; interchangeable with Nikon Multi-Control Back MF-28 or Data Back MF-27

Accessory shoe: Standard ISO-type hot-shoe contact; ready-light contact, TTL flash contact, monitor contact; mount receptacle for Posi-Mount System provided

Flash sync control: Slow Sync and Rear-Curtain Sync built-in

Flash synchronisation: In Programmed Auto or Aperture-Priority Auto, shutter operates from 1/250 to 1/60 sec. in normal sync, 1/250 to 30

sec. in slow sync; in Shutter-Priority Auto or Manual exposure mode, shutter operates at speed set, or at 1/250 if speed is set between 1/250 and 1/8000 sec.; 1/300 TTL High-Speed Sync can be selected using Custom Setting #20 in Shutter-Priority or Manual exposure mode
TTL Multi Sensor: Five-segment TTL Multi Sensor used for TTL auto flash control
Automatic Balanced Fill-Flash with TTL Multi Sensor: Possible with AF Nikkor lens and Nikon Speedlight SB-80DX, 27, 50DX, 23, 22s, 30, 29s, etc.

Monitor Pre-flash: Nikon Speedlight SB-80DX, 27, 50DX fires Monitor Pre-flash(es) for TTL Multi Sensor when using an AF Nikkor lens

Flash ready-light: Speedlight attached; Lights up in red when Nikon dedicated Speedlight is ready to fire, or blinks to warn of insufficient light for correct exposure

Power source: Eight AA-type batteries or optional Ni-MH Battery Unit MN-30
Number of 36-exposure film rolls per set of fresh batteries

Test 1

Camera setting: Using an AF Zoom-Nikkor 80-200mm f/2.8D ED lens, in Continuous Servo AF mode with film advance mode at S and a shutter speed of 1/250 sec. or faster.

Autofocus operation: After lightly pressing the shutter release button for 8 sec., autofocus operation covers the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot. After the exposure meter automatically turns off (8 sec.), the same operation follows for the next shot.

	At 20°C	At -10°C
Eight 1.5V LR6 (AA-type alkaline) batteries	25	2
Eight 1.5V FR6 (AA-type lithium) batteries	50	25
Optional Ni-MH Battery Unit MN-30	32	15

Test 2

Camera setting: Same as test 1

Autofocus operation: After lightly pressing shutter release button for 3 sec., autofocus operation covers the full range from infinity (∞) to the closest distance and back to infinity (∞) three times before each shot. The same operation follows without intermission for the next shot.

	At 20°C	At -10°C
Eight 1.5V LR6 (AA-type alkaline) batteries	50	7
Eight 1.5V FR6 (AA-type lithium) batteries	100	50
Optional Ni-MH Battery Unit MN-30	60	30

Test 3

Camera setting: Using AF Zoom-Nikkor 28-70mm f/3.5-4.5D lens, in same setting as test 1. Autofocus operation: Autofocus operation covers the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot. The same operation follows without intermission for the next shot.

	At 20°C	At -10°C
Eight 1.5V LR6 (AA-type alkaline) batteries	90	10
Eight 1.5V FR6 (AA-type lithium) batteries	250	70
Optional Ni-MH Battery Unit MN-30	100	60

Battery power confirmation: for sufficient power; indicates batteries are nearing exhaustion; blinking indicates batteries are just about exhausted; no indication/mark appears when batteries are completely exhausted or improperly installed

Tripod socket: 1/4 (ISO 1222)

Dimensions (W × H × D): Approx. 158 × 149 × 79mm

Weight (without batteries): Approx. 1,210g



**Film Scanner
SUPER COOLSCAN 8000 ED**

- Multiple film format (120/220, 35mm, etc.)
- 4,000 dpi true optical resolution
- 14-bit A/D, 16-/8-bit output
- Large-diameter SCANNER NIKKOR ED lens
- Rod dispersion LED illumination
- New setup function for colour negative film
- Multi-sample scanning
- Quick AF & Quick Preview
- IEEE1394 interface
- Digital ICE³™ (Digital ICE cubed)
 - Digital ICE™ (Image Correction & Enhancement)
 - Digital ROC™ (Reconstruction of Colour)
 - Digital GEM™ (Grain Equalisation & Management)



**35mm/1X240 Film Scanner
SUPER COOLSCAN 4000 ED**

- 4,000 dpi true optical resolution
- 14-bit A/D, 16-/8-bit output
- SCANNER NIKKOR ED lens
- Fast 38 sec. scanning (including image transfer to monitor)
- New setup function for colour negative film
- Quick AF & Quick Preview
- High-speed IEEE 1394 interface
- Roll film compatible (optional)
- Multi-sample scanning
- Digital ICE³™ (Digital ICE cubed)



**35mm/1X240 Film Scanner
COOLSCAN IV ED**

- High-resolution 2,900 dpi
- 12-bit A/D, 16-/8-bit output
- Newly developed custom CCD
- SCANNER NIKKOR ED lens
- Gentle-on-film LED illumination
- Fast 42 sec. scanning (including image transfer to monitor)
- New setup function for colour negative film
- Quick AF & Quick Preview
- Easy-to-connect USB 1.1 interface
- Digital ICE³™ (Digital ICE cubed)



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All specifications apply when fresh batteries are used at normal temperature (20°C). Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.

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NPCI 2002-2003

- Entry division:
Print/Slide Division, Web Entry Division
- Entry theme:
Category A — Free subject
Category B — "Love & Peace"
- Application period:
Print/Slide Division: May 1, 2002 - Oct. 31, 2002
Web Entry Division: July 1, 2002 - Oct. 31, 2002

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