

ALL NEW

# Nikon FE2











## **Nikon technology does it again**

You're looking at the world's fastest automatic-exposure, 35mm single-lens reflex camera: the Nikon FE2.

A top shutter speed of 1/4000 sec. and peak sync speed of 1/250 sec. destine this system camera to be the choice of beginning, advanced amateur and professional photographers alike.

And why not? These technological advances in the state of the art allow you to freeze on film even the most elusive subjects. A tennis ball hurtling at 130 miles per hour. A speeding water skier with every single drop of water around him in place. Or the exact moment a balloon bursts.

The FE2 is an aperture-priority automatic, so you simply choose the aperture and you are assured of perfect exposures roll after roll of film without having to fumble with exposure settings. Manual operation? A quartz oscillator assures precision timing so you can concentrate on creating images that perfectly match the way you want to express your subject.

You can create your own Nikon System with the FE2 — from electronic flash to motor drive and data back, and a lot more from the most comprehensive 35mm SLR photographic system.

The all-new Nikon FE2: it leaves other compact automatics far behind.

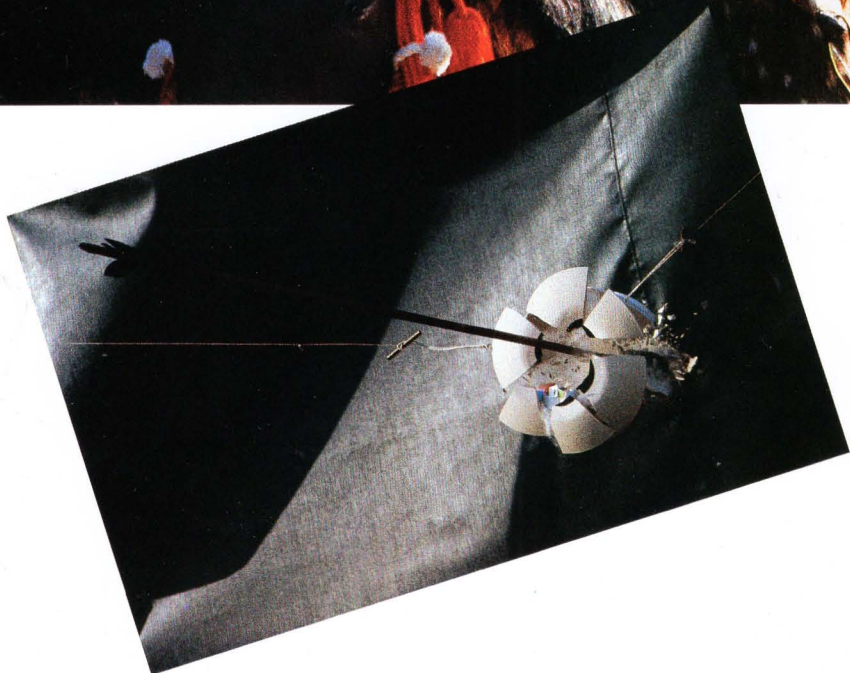
In technology and in performance.

The Nikon way.





Nikkor 200mm f/2 IF-ED. Shutter speed: 1/4000 sec.  
Taking aperture: f/8. ASA/ISO 400 pushed to 1600.

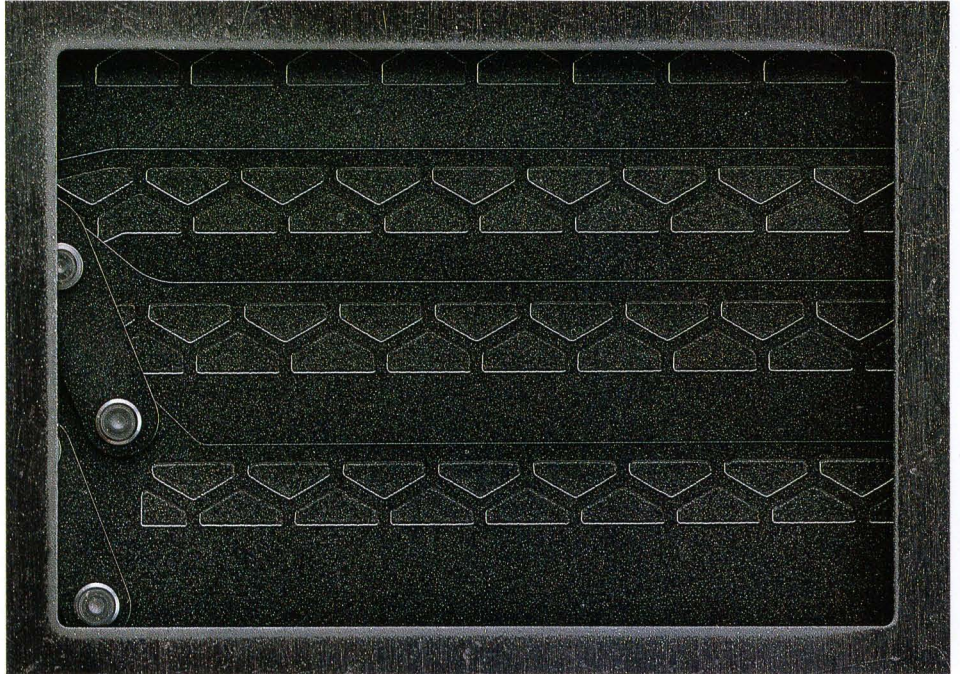




# The fastest automatic 35mm SLR in the world



For the first time in an auto exposure camera, **1/4000 sec. shutter speed and 1/250 flash sync.** The secret is in the Nikon FE2's vertically travelling titanium shutter curtains — they traverse the film gate in approx. 3.3 milliseconds, a speed nearly twice that of other vertical-travel shutter curtains. This all but eliminates image distortion over the picture area, a phenomenon common to focal plane shutters. Shutter curtains mass has also been reduced so there is virtually no camera shake in hand-held shooting. This prevents picture blur, allowing you to take full advantage of the high resolution of the lens you're using. To top it all, the FE2's remarkable shutter works perfectly on both auto and manual — shutter travel is stable at all speeds from 8 sec. to 1/4000 sec.

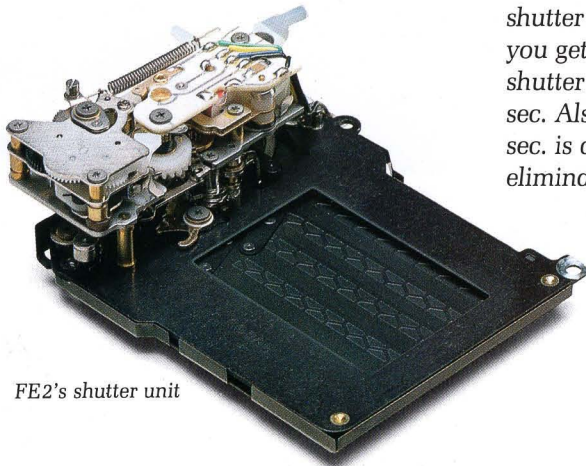


Honeycomb-pattern titanium shutter curtains

**A product of the know-how Nikon has accumulated in titanium processing for over twenty years,** the etched, modified honeycomb-pattern titanium used in the FE2's shutter assures great

durability and a more than 60% reduction in shutter curtains mass compared to other metal curtains. There's practically no inertia effect when the curtains stop movement. Because shutter bounce is just about eliminated, you get no image blur throughout the shutter speed range of 8 sec. to 1/4000 sec. Also, curtain slit width at 1/4000 sec. is a wide 1.8mm, assuring virtual elimination of uneven exposure.

**At a 1/250 sec. flash sync speed, no other automatic SLR comes close.** This remarkable speed, which is double that of the top 1/125 sec. sync available with other automatic SLR's, means what you see is what will appear in your picture. The effects of artificial light sources have been drastically reduced (as compared with slow sync speeds) so finished pictures of indoor subjects approximate those seen by the naked eye, distinguished by natural color rendition. Also, since you can shoot with electronic flash at a higher speed, you can use wider apertures for creative selective-focus shooting, even in daylight.



FE2's shutter unit





Nikkor 300mm f/2.8 IF-ED. On Auto: Taking aperture f/5.6. Exposure compensation: -2/3 EV.

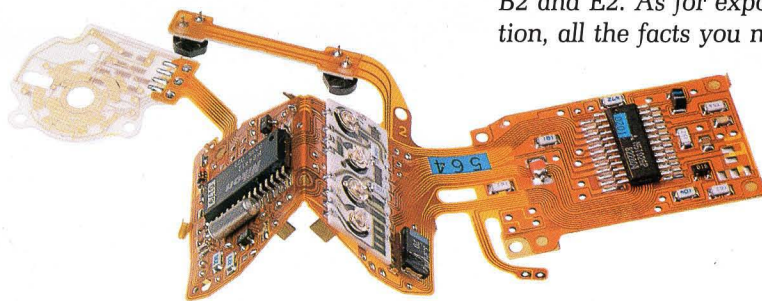


# Creative automation



**The aperture-priority automatic exposure FE2 brings out the artist in you.** You choose the aperture and the camera automatically chooses the matching shutter speed for correct exposure. This system lets you select the aperture most suitable for expressing your impression of the subject — which is what creative selective focus is all about. For instance, when you want to pan-focus to get everything in the picture, as in landscape or candid photography, you simply stop down the aperture to f/8 or f/11. On the other hand, when you want to eliminate a distracting background or foreground in portraiture or you want to emphasize the mood of the subject itself, you simply open the aperture as wide as you want. In either instance, the FE2 selects the appropriate shutter speed for a perfectly exposed picture steplessly from 8 sec. to 1/4000 sec. You take care of the art, the FE2 takes care of the science: just set its shutter speed dial to “A”.

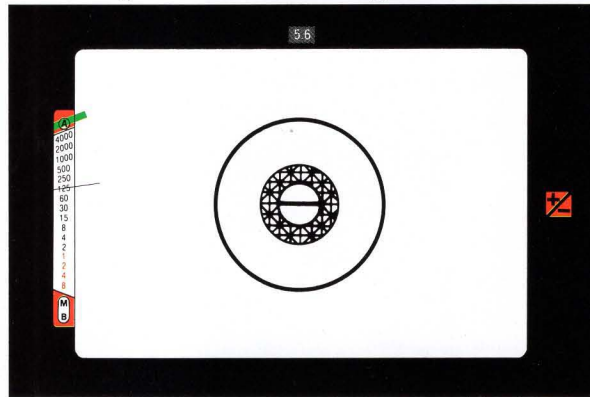
**Advanced microelectronics for reliable TTL center-weighted metering.** A performance-proven bi-MOS IC measures light via the FE2's light



The FE2's microelectronic “brain”

sensor which responds to the most subtle changes in light, while an I<sup>2</sup>L LSI controls shutter speed steplessly from 8 sec. to 1/4000 sec., based on TTL (through-the-lens) center-weighted exposure measurement.

**A bright viewfinder that won't leave you in the dark.** The Nikon FE2 comes with a bright, newly developed, interchangeable screen — the Type K2,



which is approximately one stop brighter than the Type K. This means you see your images brightly and clearly even in dim light. You can pinpoint-focus in low available light or when you're using slow lenses. Two other bright screens are available — B2 and E2. As for exposure information, all the facts you need are there,

including the most important: a new LED exposure compensation indication to the right, lens aperture in use above, and a shutter speed scale with a green needle on “A” to confirm auto operation and a black needle that points to the shutter speed selected by the camera.

**Exposure compensation makes you the “master” of light.** Controlling the



brightness of light can make you even more creative. The FE2 has an exposure compensation dial that allows you to adjust exposure by + 2EV to - 2EV in 1/3 increments. For backlit shooting or when your subject's face is in shadow, just turn the dial towards the + side. To accentuate shadows or further darken the whole picture, turn it to the - side. By giving you the flexibility to adjust automatic exposure, the FE2's exposure compensation facility effectively enables you to bracket exposure for the desired effect.





Nikkor 28mm f/2.8. Shutter speed: 1 sec. Taking aperture: f/4.



# Versatile manual operation

**“Image priority” gives you the best of both worlds.** With the FE2 on manual, you can choose aperture and shutter speed according to how you feel towards your subject, limited only by your own taste or imagination. The image you want to put on film takes priority over other considerations. For example, to freeze a fast-moving subject, first set shutter speed, then set aperture. To express your subject in terms of the nuances of light, do it the other way round — first set aperture, then set shutter speed. Thus, by either “shutter speed priority” or “aperture priority”, you can transform an otherwise plain picture into an exciting one — with the FE2 on manual.

**Quartz control makes manual shutter speeds accurate.** No matter which of 16 shutter speeds from 8 sec. to 1/4000 sec. you set, you are assured of absolute accuracy. That’s because a 32,768 pulses-per-second quartz oscillator times the FE2’s manual shutter speeds precisely and flawlessly.

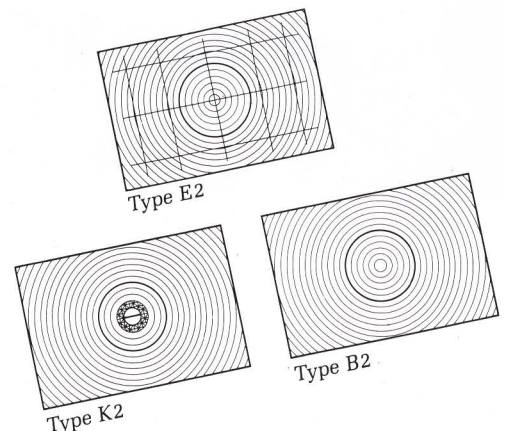
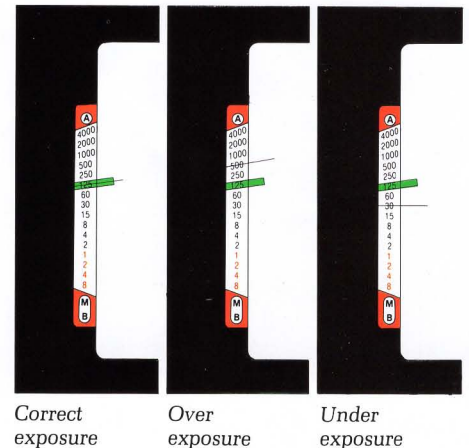


Quartz oscillator

**Just match the needles inside for a correct exposure.** On “aperture-priority manual”, you decide the position of the black needle in the shutter speed scale by first selecting the aperture you want. Then you turn the click-stopped shutter speed selector until the green needle coincides with the black. On “shutter speed-priority manual”, you first position the green needle on the scale by selecting the shutter speed. Then you turn the lens aperture ring until the black needle coincides with the green. In either case, nothing could be easier than setting correct exposure on the FE2.

**Double, treble, the pleasure with multiple exposures.** The FE2’s multiple exposure lever enables you to shoot two, three, or more subjects on the same frame for impressionistic and other stunning special effects. And because the lever is positioned conveniently next to the film advance lever, you can do it all with one hand.

**Bright interchangeable finder screens** Picture taking is easier than ever with three bright new, easy-to-change focusing screens. For most situations, the standard K2 screen works fine. But for close-ups or long telephoto shots, B2 offers an unobstructed view in the center. E2, with etched horizontal and vertical lines, is ideal for architectural work with PC-Nikkor lenses or as a general aid in composition.







Nikkor 28mm f/2. On Auto: 1/250 sec. sync speed. Taking aperture f/2.8. Speedlight: SB-16B on TTL.

#### Speedlight SB-16B Specifications

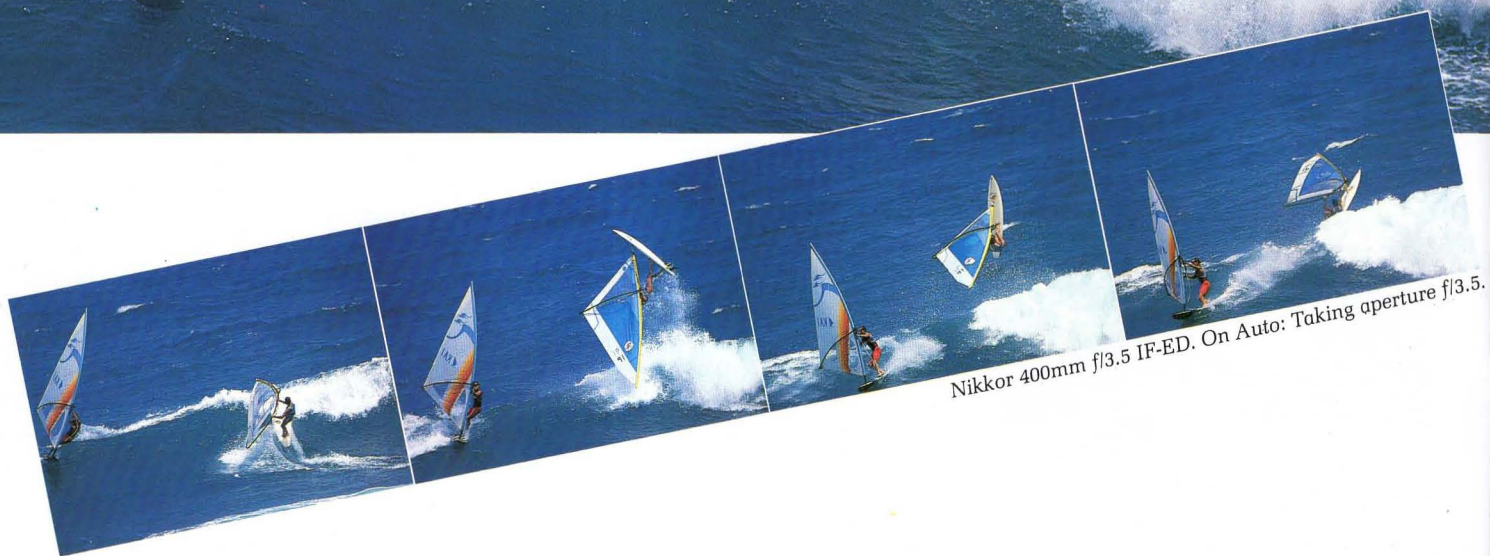
<b>Light output control</b>	Silicon thyristor-controller rectifier and series circuitry; TTL automatic flash output control with Nikon FE2, Nikon FG.
<b>Flash unit coupler</b>	AS-9 Flash Unit Coupler
<b>Guide number</b>	32 (ASA/ISO 100 and meters) at full output: 8 in MD (motor-drive) mode.
<b>Bounce flash</b>	Possible by vertically-horizontally adjustable main flash head.
<b>Recycling time</b>	Approx. 11 sec. with alkaline-manganese batteries at full output, Approx. 8 sec. with NiCd batteries at full output.
<b>Number of flashes</b>	Approx. 100 with alkaline-manganese batteries at full output, Approx. 40 with NiCd battery at full output.
<b>Angle of flash coverage</b>	Covers picture angles of 85mm, 50mm, 35mm, 28mm, 24mm (with SW-7) lenses by extending main flash head
<b>Power source</b>	Four 1.5V AA-type penlight batteries
<b>Mounting of AS-9</b>	Standard ISO-type foot
<b>Dimensions (W × H × D)</b>	Approx. 154 × 189 × 53mm (excluding mounting foot)
<b>Weight</b>	Approx. 470g (excluding batteries)



# Shoot in a new light: SB-16B Speedlight







Nikkor 400mm f/3.5 IF-ED. On Auto: Taking aperture f/3.5.



# Capture every move: MD-12 Motor Drive

**A motor drive lets you capture all the action.** Attach the MD-12 motor drive to the Nikon FE2, and you enter the exciting world of motor-drive photography. With the shutter always ready for the next shot, you'll have every chance to pin down those "moments of truth" as they come. You can also try motor-driven multiple exposures for really special effects or take sequential shots of a football game, a bird in flight, anything. And since you're shooting with an automatic exposure camera, you can be confident all your shots come out perfectly exposed.

**Auto or manual, you can shoot up to 3.2 frames per second.** Press the MD-12's trigger button lightly, and you're ready to go. The FE2's exposure meter is activated instantly, so you can start shooting right away (it stays on for 66 sec. after you remove your finger and then automatically turns off). Set the mode

selector to S for single-frame shooting, to C for continuous shooting at up to 3.2 fps at 1/125 sec. or faster shutter speeds. Since the MD-12's firing rate is automatically adjusted to the shutter speed in operation on Auto, you can focus all your attention on the creative aspects of the



shooting assignment on hand.

**And you can go into remote-control photography, too.** For distances of up to 60 meters, there's the ML-1 Modulite Remote Control Set which uses a modulated-light output signal for interference-free operation. The MW-1 Radio Control Set provides you with a wireless triggering capability at up to 700 meters. Only 3 meters away? Use the MC-10 Remote Cord with button release. And for time-lapse single-frame exposures or multiple-frame sequences at regular preset intervals, try the MT-1 Intervalometer. Who says you have to be there to take pictures?



## Motor Drive MD-12 Specifications

<b>Usable cameras</b>	Nikon FE2, Nikon FM2, Nikon FE
<b>Shooting speed</b>	3.2 fps approx. maximum (at shutter speeds faster than 1/125 sec.) when used with Nikon FE2, Nikon FM2.
<b>Shooting mode</b>	Single frame (S) Continuous (C)
<b>Usable shutter speeds</b>	At "S" setting FE2: 8~1/4000 sec. At "C" setting FE2: 8~1/4000 sec.
<b>Pilot lamp</b>	LED lights up when in operation
<b>Power switch</b>	On/off switch provided
<b>Meter switch</b>	Trigger button acts as meter "on" switch and automatically goes "off" approx. 66 seconds later.
<b>Remote control</b>	Possible; uses standard Nikon 3-pin connector.
<b>Power source</b>	Eight 1.5V penlight batteries (AA size, in integral battery chamber)
<b>Weight</b>	Approx. 410g (without batteries)
<b>Dimensions (W × H × D)</b>	Approx. 144 × 36 × 42mm; approx. 144 × 68.5 × 109.5mm (including the grip)





Nikkor 35mm f/2.8. On Auto: Taking aperture f/16.



# Lenses to match

## You have a choice of more than 60 Nikkor and Nikon Series E lenses.

Startling fisheyes to convenient zooms and stunning telephotos, these lenses give you unique views of the world around you. Nikon-developed innovations abound for truly superb performance. Nikon Integrated Coating (NIC) reduces reflection and minimizes flare, thus assuring ghost-free images and natural color rendition. Extra-low Dispersion (ED) glass assures maximum correction of chromatic aberrations in medium to super-telephoto lenses. On the other hand, the unique Internal Focusing (IF) system makes for light focusing and more compact telephotos. And then there's Nikon's Close-Range Correction System which ensures images of the highest quality even when shooting at the closest focusing distance with a wide-angle, micro or short telephoto lens.



Lens	Filter (mm)	Lens Case	Lens Hood	dia. × overall length (lens extension from lens mount)	TC-200	TC-300	TC-14
<b>Wideangle</b>							
13mm f/5.6	Provided	CL-14	Built-in	115 × 99 (88.5)	★	—	—
15mm f/3.5	Provided	CL-17	Built-in	90 × 94 (83.5)	★	—	—
18mm f/3.5	72	CL-37 CP-8	HK-9	75 × 72.5 (61.5)	★	—	—
20mm f/3.5	52	CL-30S No. 61 CP-8	HK-6	63 × 50 (40.5)	★	—	—
24mm f/2	52	CL-31S No. 61 CP-8	HK-2	63 × 63 (51.5)	★	—	—
24mm f/2.8	52	CL-30S No. 61 CP-8	HN-1	63 × 57 (46)	★	—	—
28mm f/2	52	CL-31S No. 62 CP-8	HN-1	63 × 68.5 (58.5)	★	—	—
28mm f/2.8	52	CL-30S No. 62 CP-8	HN-2	63 × 53 (44.5)	★	—	—
28mm f/3.5	52	CL-30S No. 61 CP-8	HN-2	63 × 54.5 (46.5)	★	—	—
35mm f/1.4	52	CL-31S No. 61 CP-8	HN-3	67.5 × 74 (62)	☆	—	—
35mm f/2	52	CL-30S No. 61 CP-8	HN-3	63 × 59.5 (51.5)	★	—	—
35mm f/2.8	52	CL-30S No. 61 CP-8	HN-3	63 × 54 (46)	★	—	—
<b>Normal</b>							
50mm f/1.2	52	CL-34A No. 61 CP-8	HS-12, HR-2	68.5 × 59 (47.5)	★	—	—
50mm f/1.4	52	CL-34A No. 61 CP-8	HS-9, HR-1	63 × 50.5 (40)	★	—	—
50mm f/1.8	52	CL-30S No. 61 CP-8	HS-11, HR-1	63.5 × 48 (37)	★	—	—
<b>Telephoto</b>							
85mm f/1.4	72	CL-17 No. 62 CP-9	HN-20	80.5 × 72.5 (64.5)	☆	—	—
85mm f/2	52	CL-31S No. 61 CP-8	HS-10	63 × 60.5 (52.5)	★	—	—
105mm f/1.8	62	CL-15S No. 62 CP-9	Built-in	78.5 × 88.5 (80.5)	☆	—	—
105mm f/2.5	52	CL-32S No. 62 CP-9	Built-in	64 × 77.5 (69.5)	★	—	—
135mm f/2	72	CL-15S No. 62 CP-9	Built-in	80.5 × 103 (93.5)	☆	—	—
135mm f/2.8	52	CL-32S No. 62 CP-9	Built-in	64 × 91.5 (83.5)	★	—	—
135mm f/3.5	52	CL-32S No. 62 CP-9	Built-in	64 × 89.5 (81.5)	☆	—	★
180mm f/2.8 ED	72	CL-35A	Built-in	78.5 × 138 (130)	☆	—	—
200mm f/2 IF-ED	122	CL-63	Built-in	138 × 222 (214)	★	—	★
200mm f/4	52	CL-13 No. 63 CP-9	Built-in	65 × 124 (116)	★	—	—
300mm f/2.8 IF-ED	122/39 ○	CL-63	Built-in	138 × 249 (241)	●	★	★
300mm f/4.5	72	CL-20A	Built-in	78.5 × 202 (194)	●	☆	★
300mm f/4.5 IF-ED	72	CL-36	Built-in	80 × 200 (192)	●	★	★
400mm f/3.5 IF-ED	122/39 ○	CL-61A No. 57	Built-in	134 × 304 (296)	●	★	★
400mm f/5.6 IF-ED	72	CL-27A	Built-in	85 × 262 (254)	●	★	★
600mm f/4 IF-ED	160/39 ○	CT-601	Built-in	177 × 460 (452)	●	★	★
600mm f/5.6 IF-ED	122/39 ○	CL-62A No. 57	Built-in	134 × 382 (374)	●	★	★
800mm f/8 IF-ED	122/39 ○	CT-1203	Built-in	134 × 460 (452)	●	★	★
1200mm f/11 IF-ED	122/39 ○	CT-1203	Built-in	134 × 577 (569)	●	★	★
<b>Reflex</b>							
500mm f/8	39	CL-23	Screw-in	93 × 142 (135)	★	—	□
1000mm f/11	39	CL-29	Built-in	119 × 241 (233.5)	●	□	□
2000mm f/11	Built-in	Trunk case	—	262 × 598 (593.5)	●	★	★
<b>Zoom</b>							
25 ~ 50mm f/4	72	CL-15S No. 62 CP-9	HK-7	75 × 112 (104)	★	—	—
35 ~ 70mm f/3.5	62	CL-33S No. 62 CP-9	HN-22	66.5 × 105 (96.5)	★	—	—
50 ~ 135mm f/3.5	62	CL-38	HK-10	71 × 133 (125)	★	—	—
80 ~ 200mm f/2.8 ED	95	CL-66	HN-25	99 × 231 (223)	★	—	—
80 ~ 200mm f/4	62	CL-35A No. 63	HN-23	73 × 162 (154)	★	—	—
50 ~ 300mm f/4.5 ED	95	CL-64 CE-2	HK-5	98 × 247 (239)	★	—	—
180 ~ 600mm f/8 ED	95	CZ-1860	HN-16	105 × 402 (395)	●	★	★
200 ~ 600mm f/9.5	Series IX (82)	CL-65 CE-3	HN-10	89 × 381 (374)	●	★	★
360 ~ 1200mm f/11 ED	122	CZ-3612	HN-17	125 × 704 (696)	●	★	★
<b>Fisheye</b>							
6mm f/2.8	Built-in	Trunk case	—	236 × 171 (160)	★	—	—
8mm f/2.8	Built-in	CL-11	—	123 × 139 (128)	★	—	—
16mm f/2.8	Provided	CL-30S No. 61 CP-8	—	63 × 66 (55.5)	★	—	—
<b>Special Purpose</b>							
PC 28mm f/3.5	72	CL-34A No. 62	HN-9	76 × 69 (64.5)	●	—	—
PC 35mm f/2.8	52	CL-34A No. 61	HN-1	62 × 66 (61.5)	●	—	—
Noct 58mm f/1.2	52	CL-34A No. 61 CP-8	HS-7, HR-2	74 × 63 (51.5)	☆	—	—
Micro 55mm f/2.8	52	CL-31S No. 61 CP-8	HN-3	63.5 × 70 (62)	★	—	—
Micro 105mm f/4	52	CL-33S No. 62	Built-in	68.5 × 104 (96)	●	★	—
Micro 200mm f/4 IF	52	CL-35A CP-9	Built-in	66 × 180 (172)	●	★	★
Medical 120mm f/4 IF ■	49▲	CL-36	Built-in	98 × 150 (142)	●	★	★
<b>Nikon Series E Lenses</b>							
28mm f/2.8	52	CL-30S No. 61 CP-8	HR-6	62.5 × 44.5 (35)	★	—	—
35mm f/2.5	52	CL-30S No. 61 CP-8	HR-4	62.5 × 44.5 (35)	★	—	—
50mm f/1.8	52	CL-30S No. 61 CP-8	HR-4	62.5 × 33 (24)	★	—	—
100mm f/2.8	52	CL-31S No. 61 CP-8	HR-5	62.5 × 57.5 (49.5)	★	—	—
135mm f/2.8	52	CL-32S No. 62 CP-9	Built-in	62.5 × 88.5 (80.5)	★	—	—
36 ~ 72mm f/3.5 Zoom	52	CL-32S No. 62 CP-9	HK-8	67 × 71.5 (63)	★	—	—
75 ~ 150mm f/3.5 Zoom	52	CL-13 No. 63 CP-9	HN-21	65 × 125 (117)	★	—	—
70 ~ 210mm f/4 Zoom	62	CL-35A No. 63	HN-24	72.5 × 156 (148)	★	—	—
<b>Teleconverters</b>							
TC-14	—	CL-30S No. 61 CP-8	—	64.5 × 33.5 (24.5)	—	—	—
TC-200	—	CL-30S No. 61 CP-8	—	64.5 × 52.5 (44)	—	—	—
TC-300	—	CL-33S No. 62 CP-9	—	64.5 × 115 (83)	—	—	—

★: Usable.

☆: When used at smaller aperture than f/11 with high shutter speeds, there is occasional uneven exposure.

●: Usable, but there is occasional vignetting.

□: Usable, if the rear screw-in filter is removed.

○: Front filter/rear filter

▲: Close-up attachment lens size.

■: Power source: Power is supplied only by an AC Power Unit LA-2 or a DC Power Unit LD-2 (both optional).



# Keep track: MF-16 Data Back

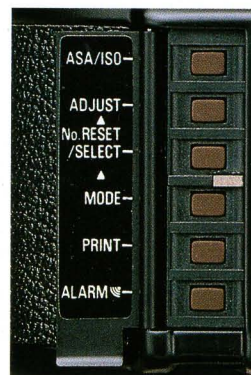


Nikkor 20mm f/3.5. On Auto: Taking aperture: f/8.

Record year/month/day or day/hour/minute on your pictures, or number them. It's easy with the quartz-timed MF-16, the perfect accessory for taking pictures that require data — such as science or research photos. Or for truly memorable occasions you don't want to forget ever — graduation day, anniversaries, special vacations, whatever. The slim and light MF-16 takes the place of the FE2's regular camera back. Whichever type of data you choose, it's imprinted clearly, unobtrusively on the finished photograph in red numerals. The MF-16 doubles as a timepiece with alarm, a convenient feature when you're on a photo-shooting engagement away from home or when you need a watch and don't have one.

## Data Back MF-16 Specifications

<b>Camera usable</b>	Nikon FE2, Nikon FM2
<b>Usable film speeds</b>	ASA/ISO 25 — 400 (color film); ASA/ISO 100 — 400 (B & W film)
<b>Type of figures imprinted</b>	6 digits max.; in red
<b>Data display</b>	By 7-segment, 6-digit (max.) LCD
<b>Data selecting/setting</b>	Via MODE button, No. RESET/SELECT button and ADJUST button
<b>Imprint data</b>	Year/Month/Day (up to 2100 A.D.), Day/Hour/Minute (hour and minute underscored), or no. of pictures (up to 2,000); data imprint ON/OFF by pushing PRINT button
<b>Imprint signal</b>	Via direct contacts on camera body
<b>Audio alarm (clock mode)</b>	20 sec.-long at the time set
<b>Power source</b>	Two 1.55V silver-oxide batteries (SR-44 type)
<b>Dimensions (W×H×D)</b>	142.7 × 53.2 × 26.5mm
<b>Weight</b>	Approx. 90g (including batteries)

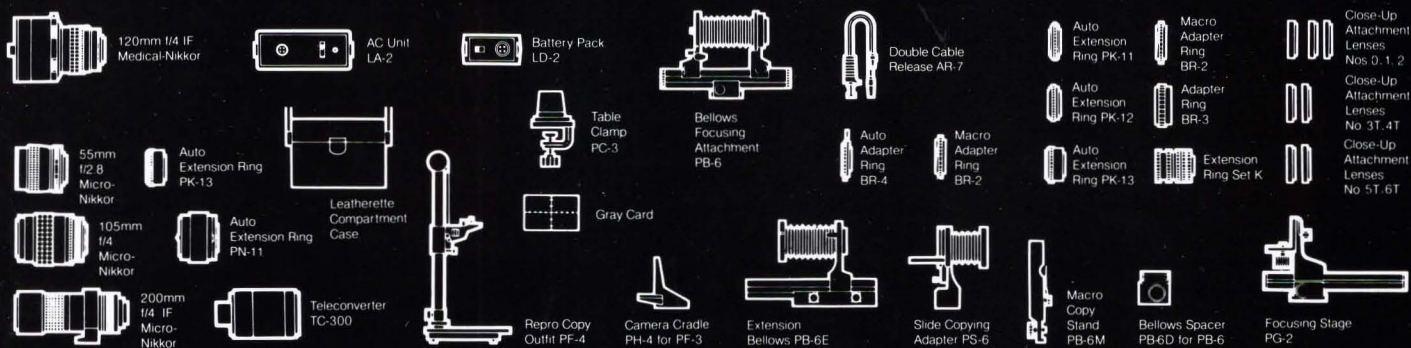


Data panel

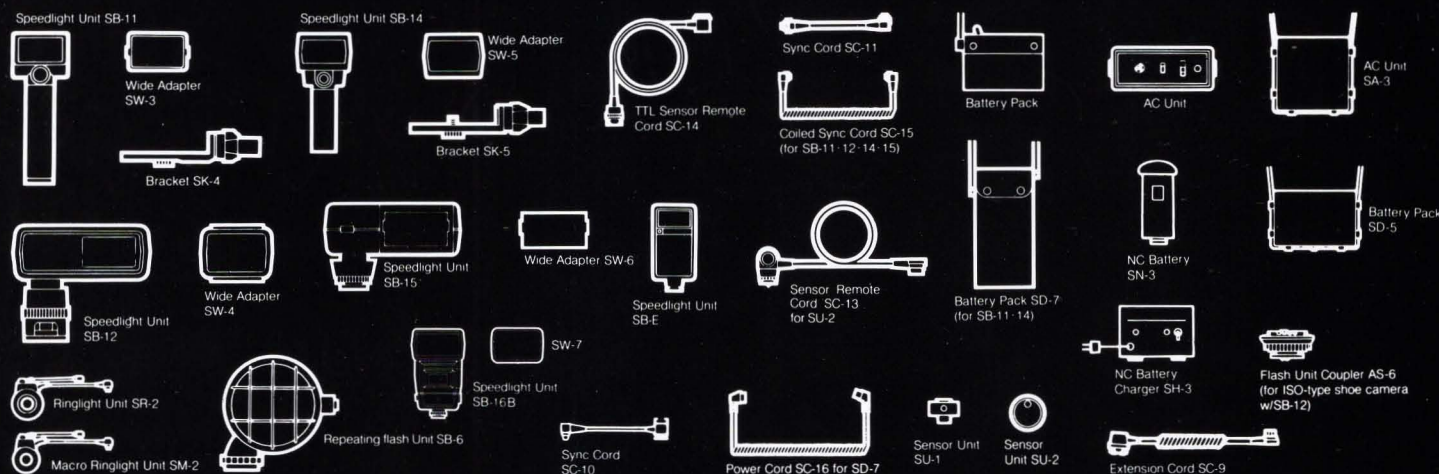


# FE2 System

## Close-Up Equipment



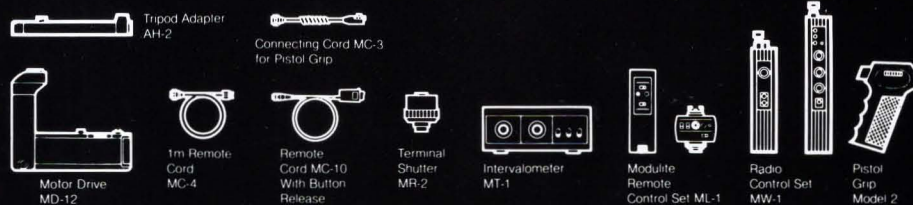
## Flash Units and Accessories



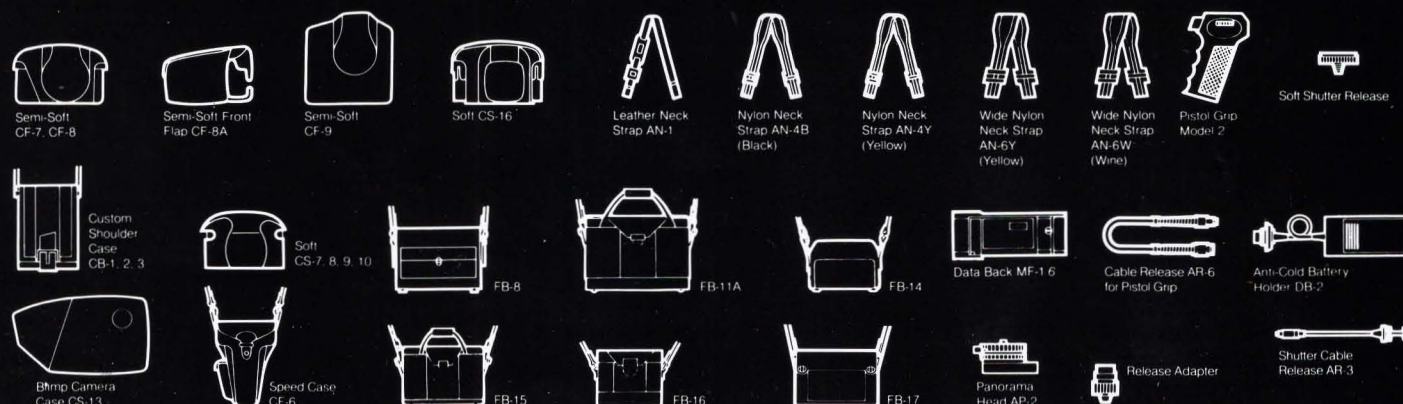
## Viewing Aids and Accessories



## Motor Drives and Remote Control Accessories



## Other Accessories

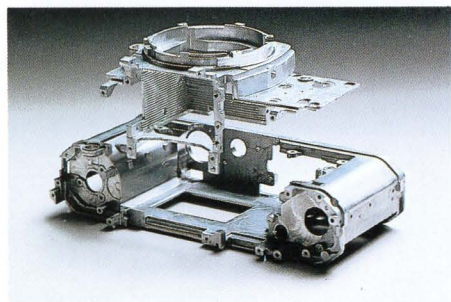




## Features in focus

### A die-cast body built to take it

Nikon cast the FE2's body in a special alloy that ignores the effects of extremes in temperature and humidity. This alloy,



copper silumin aluminum, boasts great rigidity and resistance to metal fatigue and corrosion — yet it's remarkably light. Its strong die-cast body enables the FE2 to take the punishment of all kinds of professional wear and tear.

### Silky-smooth film advance and transport

Four clusters of ballbearings and reduced film winding torque assure smooth-as-silk winding of the FE2's short-stroke film advance lever. Also, the FE2 has the same durable yet smooth film transport mechanism of other Nikon cameras. Sure film travel is enhanced by the large film pressure plate and by the long polished guide rails.



### Dual-function shutter release button

You press the shutter release button half-way to switch on the FE2's meter, all the way to take a picture. The meter stays on for 16 sec. after your finger is lifted off the button, so you can devote your full concentration on your subject. The adjacent film advance lever is hinged to fold neatly into place and lock the shutter release button.



## Nomenclature



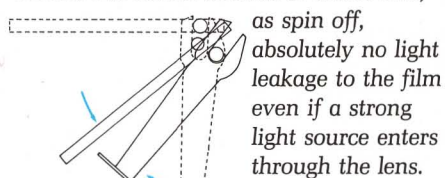
- 1 Multiple exposure lever
- 2 Frame counter
- 3 Shutter release fingerguard
- 4 Shutter release button
- 5 Film advance/shutter release locking lever
- 6 Shutter speed/Mode setting dial
- 7 Shutter speed/Mode setting locking button
- 8 Film plane index
- 9 Shutter speed/Mode setting index
- 10 Exposure compensation setting index
- 11 Exposure compensation dial lock
- 12 Exposure compensation mark
- 13 Camera back locking lever
- 14 Film rewind knob
- 15 Film rewind crank
- 16 ASA/ISO film speed setting ring
- 17 ASA/ISO setting index
- 18 Neckstrap eyelet
- 19 Exposure compensation scale
- 20 Sync terminal





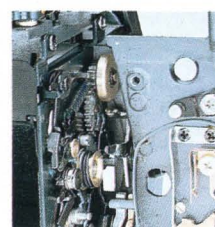
- 21 Lens mounting index
- 22 Lens release button
- 23 Meter coupling lever
- 24 Reflex mirror
- 25 Bayonet mount
- 26 Self-timer/Memory lock lever
- 27 Depth-of-field preview lever
- 28 Finder eyepiece
- 29 Protective rubber ring
- 30 Red LED ready-light
- 31 Film guide rails
- 32 Shutter curtains
- 33 Serial number
- 34 Film sprockets
- 35 Film take-up spool
- 36 Film rewind fork
- 37 Film cartridge chamber
- 38 Film guide pin
- 39 Motor drive electrical contacts
- 40 Battery chamber cover
- 41 Tripod/motor drive coupling socket
- 42 Data Back contacts
- 43 Film rewind button
- 44 Motor drive coupler
- 45 Camera back releasing pin
- 46 Film guide roller
- 47 Film pressure plate
- 48 Interchangeable camera back
- 49 Film cassette stabilizers

**Newly designed mirror shock absorber**  
Using the mirror-down movement, a Nikon-developed rectangular plate linked to the mirror rises automatically when the mirror goes down to cancel out shock. Result? No mirror bounce or shake and,



### Unique flywheel mechanism for vibration-free mirror-up

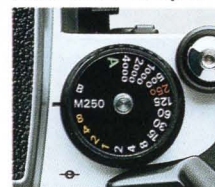
There is virtually no vibration and bounce when the mirror goes up due to the FE2's adoption of a flywheel mechanism linked to the mirror-up movement: the inertia of the rotating flywheel suppresses vibration or bounce when the mirror reaches the up



position. Additionally, the use of a big mirror assures that there is negligible vignetting even with an 800mm super-telephoto lens.

### Back-up mechanical shutter

In extremely cold weather or when the camera's battery is exhausted, you can



still take a picture with the FE2. Just set the shutter speed dial to M250 to release the shutter at 1/250 sec.

### Combined self-timer/memory lock lever

Use the approx. 10-sec. self-timer to take your own picture. Or push the lever towards the lens to "lock" the exposure



measurement for a specific part of a subject. Hold the lever in, then re-compose, shoot, and be assured of excellent exposures or lighting as you like it.

### "Intelligent" frame counter

Until the frame counter reaches the first frame, the shutter automatically fires at 1/250 sec. even with the camera on Auto.



This ensures there will be no unduly long exposures when making those first few blank shots during film loading.



# Specifications

<b>Type of camera</b>	Electronically-controlled 35mm single-lens reflex (SLR) focal plane shutter camera	<b>Viewfinder display</b>	Shutter speed scale, ADR f-number in use, exposure compensation mark, meter needle (black), shutter speed/exposure mode indication needle (green), outside-exposure-range warning marks.
<b>Usable film</b>	Cartridge-type 35mm film	<b>Focusing screen</b>	Interchangeable matte Fresnel focusing screen with central split-image range-finder spot and microprism collar (Nikon Type K2) as standard; two other types of screens available optionally (Type B2 and E2)
<b>Picture format</b>	24mm × 36mm	<b>Reflex mirror</b>	Automatic instant-return mirror
<b>Lens mount</b>	Nikon bayonet mount; meter coupling lever provided; meter coupling lever release button not provided	<b>Self-timer</b>	Mechanical type; approx. 10 sec.-exposure delay; setting "cancellable"
<b>Lenses usable</b>	More than 60 interchangeable Nikkor and Nikon Series E lenses	<b>Exposure memory lock</b>	Via self-timer lever
<b>Shutter</b>	Electronically controlled vertical-travel, metal focal plane shutter with titanium curtains	<b>Multiple exposure</b>	Via lever
<b>Shutter release</b>	Mechanical; Shutter release button locked when film advance lever is flush with camera body	<b>Accessory shoe</b>	Standard ISO type; hot shoe, ready-light, monitor and TTL control contacts provided
<b>Exposure meter switch</b>	Pressing shutter release button halfway switches meter on; meter stays on for 16 sec. after finger is lifted off button, then automatically switches off; meter automatically turned off when shutter speed dial is set at M250 or B or until frame "1" is reached during blank exposures.	<b>Flash sync</b>	On Auto: 1/250 sec.; On Manual: sync with electronic flash units at 1/250 sec. when shutter speed dial is set between 1/250 sec. and 1/4000 sec., or sync as set at 1/250 sec. — 8 sec. LED visible inside viewfinder; lights up when SB-16B, SB-15 or SB-E Speedlight Unit is fully charged
<b>Backup shutter release</b>	Mechanical shutter release (at 1/250 sec.) possible when shutter speed dial is set to "M250"	<b>Ready-light</b>	Additive type; automatically resets to "S", three frames before "1", when camera back is opened; on Auto, shutter speed is automatically 1/250 sec. until frame "1" is reached during blank exposures
<b>Shutter speed settings</b>	A (auto) 1/4000 sec. to 8 sec., M250 (1/250 sec.), B (Bulb), 19 click-stopped settings in all	<b>Frame counter</b>	Choice of one 3V lithium battery (CR-1 3N type), two 1.55V silver-oxide batteries (S-76 or SR-44 type), or two 1.5V alkaline-manganese batteries (LR-44 type); optional Anti-Cold Battery Holder DB-2 accepting two AA-type penlight batteries available
<b>Exposure control</b>	Auto exposure control with shutter speed/mode setting dial set on A; Manual exposure control by turning shutter speed/mode setting dial and lens aperture ring to match black and green needles inside viewfinder	<b>Power source</b>	By pressing shutter release button halfway and turning aperture ring; if there is sufficient power, the black needle will move.
<b>Exposure metering</b>	Through-the-lens (TTL) center-weighted full aperture exposure measuring system using a pair of SPD's (silicon photodiode)	<b>Battery power check</b>	Lever provided
<b>Metering range</b>	EV 1 to EV 18 (f/1.4 at 1 sec. to f/8 at 1/4000 sec.) at ASA/ISO 100 with 50mm f/1.4 lens	<b>Depth-of-field preview lever</b>	Via crank provided after film rewind button is pressed
<b>Exposure compensation</b>	Via dial provided; -2 EV to +2 EV in one-third increments	<b>Film rewind</b>	Interchangeable with MF-16 or MF-12 Data Back; pops open when the film rewind knob is pulled up as camera back lock is pushed counterclockwise; hinged type; memo holder provided
<b>Film speed range</b>	ASA/ISO 12 to 4000	<b>Camera back</b>	Chrome or black
<b>Shutter speeds</b>	On Auto: stepless speeds from 8 to 1/4000 sec; On Manual: 16 quartz-controlled speeds from 8 to 1/4000 sec; On Mechanical: M250 (1/250 sec.) On B: for long exposure	<b>Body finish</b>	Semi-soft cases available; CF-7·8·9; CF-27 for FE2 with 50/1.4; CF-28 for FE2 with Series E 36-72/3.5 Zoom; CF-28A for FE2 with Zoom 35-70/3.5; CF-29 for FE2 with Series E 36-72/3.5 Zoom and MD-12.
<b>Film advance lever</b>	Single-stroke type; 30° stand-off angle and 135° winding angle	<b>Camera cases</b>	Approx. 142.5mm(W) × 90.0mm(H) × 57.5mm (D)
<b>Automatic film wind</b>	Possible with MD-12 or MD-11 Motor Drive	<b>Dimensions (body only)</b>	Approx. 550g
<b>Motor drive coupling</b>	Electrical contact and coupler built-in for operation with MD-12 or MD-11 Motor Drive; MD-12 or MD-11 operable when film advance lever is flush with camera body	<b>Weight (body only)</b>	
<b>Shutter release lock</b>	When film advance lever is flush with camera body		
<b>Viewfinder</b>	Fixed eyelevel pentaprism type; 0.86x magnification with 50mm lens set at infinity; 93% frame coverage		



**NIPPON KOGAKU K.K.**

Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100, Japan  
Tel: 03-214-5311 Telex: J22601 (NIKON)

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