

Nikon

Another major advance in the evolution of the Nikon System



Hardly any product so clearly demonstrates unchallenged leadership in its field as the Nikon F2 does among the world's fine 35mm cameras.

The F2 provides the Nikon photographer with impressive new capabilities developed by Nikon research. Its major innovations include a newly designed shutter with accurate speeds from 10 seconds to 1/2000th, an ingeniously compact accessory EE aperture control attachment for automatic exposure control, and a fully interchangeable, superbly efficient, yet uncomplicated motor drive system.

Equally important are the many examples of human engineering that contribute to the camera's uncanny responsiveness. The F2 cradles comfortably

in shooting position, thanks to the rounded lens mount which also makes lens changing more convenient. The trigger finger rests naturally on the shutter release button in its location far forward on the camera. The advance lever, with its short 120° stroke, can be worked easily without jarring the F2 away from the eye.

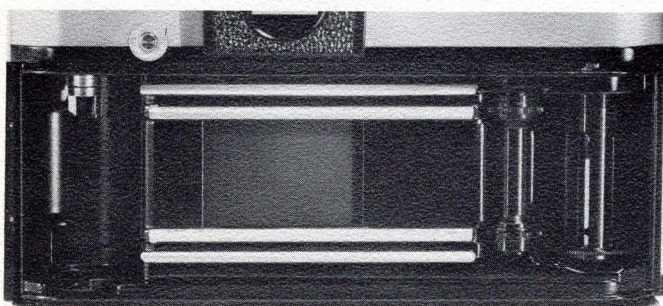
At the same time, the F2 is unmistakably a member of the Nikon system. It accepts all current Nikkor lenses, all Nikon finder screens, all closeup attachments—in fact, most Nikon system accessories other than viewfinders, motor drives and Speed Magny units. Throughout its construction, the F2 reveals the quality that has made Nikon the symbol for professionally reliable performance.

Inside the Nikon F2

The Shutter

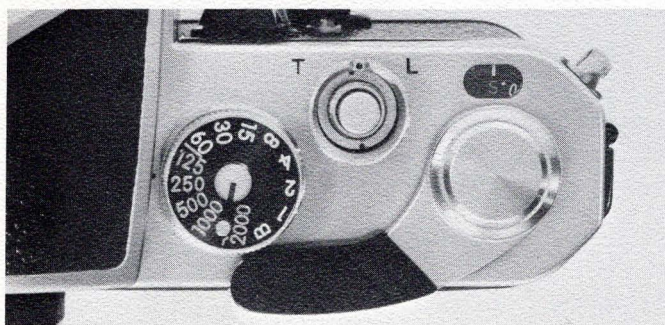
Unmatched speed accuracy

"Quilted" titanium foil curtain is thinner yet stronger than any other. Mounted on precision ball bearings, the curtain traverses film area in just 10 milliseconds, assuring maximum speed accuracy.



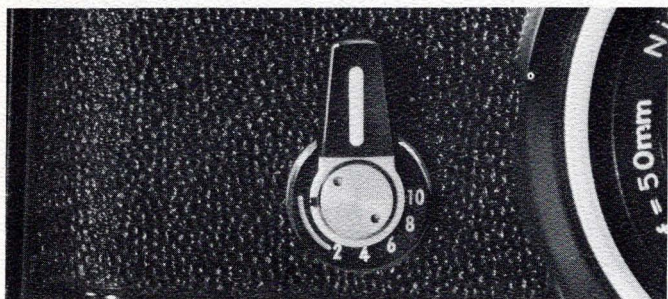
10 seconds to 1/2000th

Speed dial is calibrated 1 second to 1/2000th, plus "B" ("T" is located on fingerguard ring surrounding shutter release). Speeds from 1/80th (X synch) to 1/2000th are continuously variable, providing full exposure control with Reflex Nikkors which have no diaphragm, among other advantages. Furthermore, accurate 2-to-10-second exposures can be made with dual-purpose self-timer mechanism.



Self-timer/time exposure control

Calibrated for delays of 2, 4, 6, 8, and 10 seconds. Also used to produce accurate, automatically timed exposures of any of these durations, with shutter set at "B," fingerguard at "T."



The Viewfinder

100% accurate finder system

Long an exclusive Nikon feature, maintained in the F2. The finder shows precisely the area recorded on film, permitting composition right up to edges of frame.

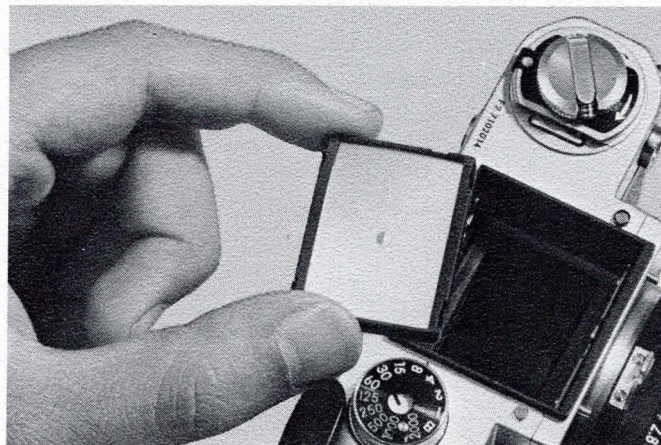
Interchangeable finders

A special group of finders has been created for use with Nikon F2 (it does not accept Nikon F finders). The camera is available with Standard Prism, F2 Photomic, or F2S Photomic. These, as well as three other finders, are also offered as interchangeable accessories. See the following pages for details.



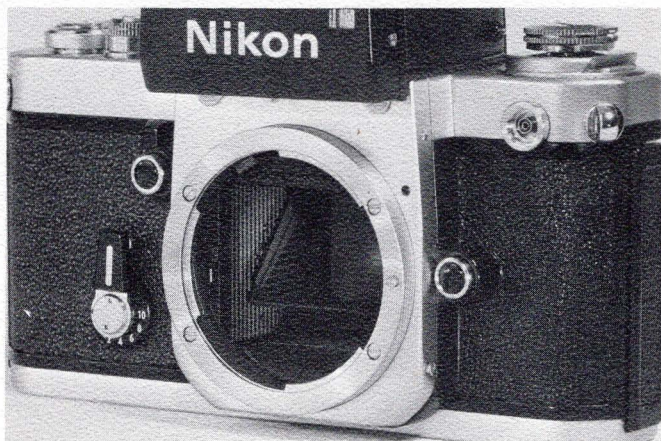
Interchangeable finder screens

Nikon F2 accepts all finder screens in the Nikon system. Type A (split prism rangefinder) is supplied as standard equipment.



Extra-large auto-return mirror

Newly designed F2 mirror is larger than usual, preventing finder image cutoff with long telephoto lenses. Mirror flips up when shutter is released, then instantly returns to viewing position to keep subject brightly visible in finder before and after exposure. Unique, highly effective damper virtually eliminates impact shock. Mirror does not flutter, even when camera is turned upside down.



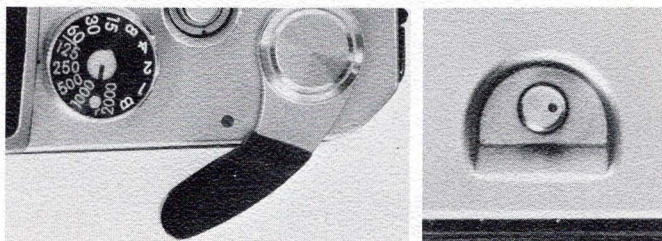
Auto-reopen diaphragm

With Auto-Nikkor lenses, the diaphragm is always wide open for brightest full-aperture viewing and focusing (also exposure setting with Photomic systems) except for the instant of actual exposure. When shutter is released, the lens automatically stops down to the selected "taking" aperture and then instantly reopens. Precise Nikkor lens construction assures that diaphragm reaches any preselected exposure aperture before shutter opens.

The Film Transport

Special-design advance lever

Pivots on precision ball bearings and special rings of "Teflon." Operates smoothly with single 120° stroke (or multiple shorter strokes if desired) without jarring camera away from eye.



Accurately registered multi exposures ▲

Pressing the button on bottom of camera uncouples film advance and counter so that the advance lever only cocks the shutter. Assures precise registration no matter how many times any frame is exposed.

Superior film flatness

Film winds onto takeup spool emulsion side out. Resulting increased tension, aided by the cartridge stabilizer and special roller built into F2 back, produces measurably better flatness of entire film area than emulsion-in winding. Also provides more secure engagement of film on sprockets. Takeup spool has six slots for fast, easy loading.

Other Highlights

Meter switch built into lever

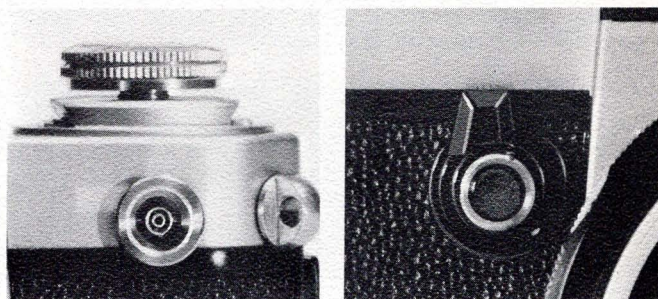
When F2 is used with Photomic system, normal action of advance lever also switches meter on and off, eliminating separate operation. Red dot on top of camera is revealed when meter is "on."

Automatic synch adjustment

F2 provides X-synch to 1/80th second, plus synch for FP and M3 bulbs up to 1/2000th. Setting the shutter speed automatically adjusts synchronization.

Slip-proof PC terminal

Single, moisture-resistant PC terminal accommodates standard connecting cords. Socket is also threaded for Nikon screw-in synch cords which cannot slip out accidentally.

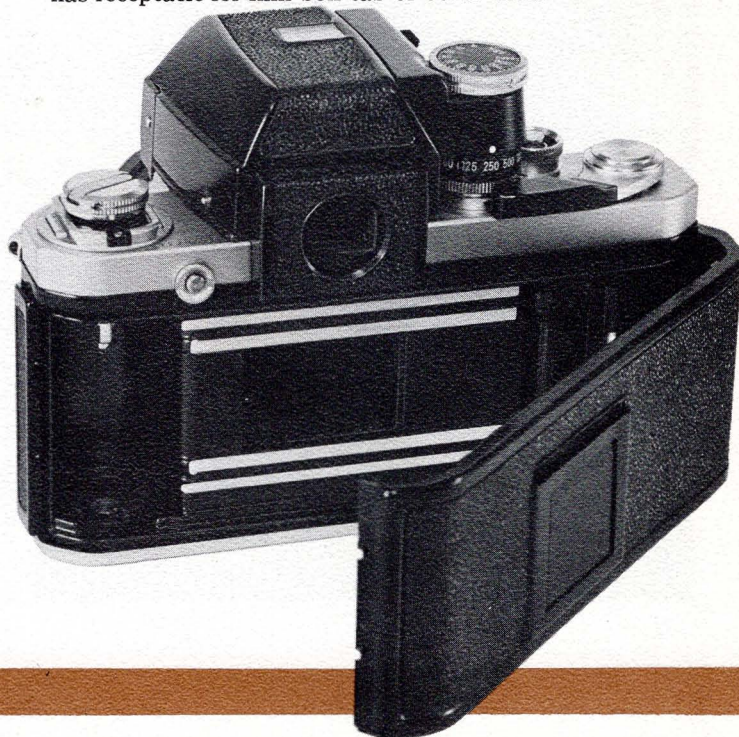


Independent mirror control ▲

Convenient lever permits locking mirror in "up" position when using motor drive at 5 f.p.s. or for other, special applications. May be operated without losing a single frame. Mirror control lever is coaxial with depth-of-field previewer.

Hinged removable back

Swings open on sturdy hinges, locks securely with double catch. Back remains on camera while changing film, even when basic motor drive is attached. Can be removed quickly to permit use of 250- or 800-exposure film backs with motor drive or to fit Speed Magny large-format attachment. Back has receptacle for film box tab or other data.

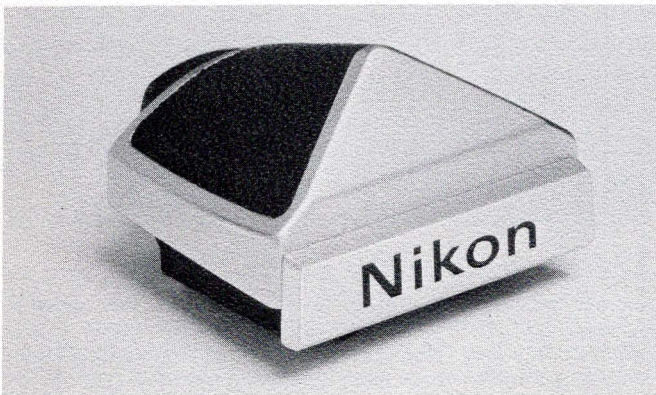


Nikon F2 Interchangeable Viewfinders

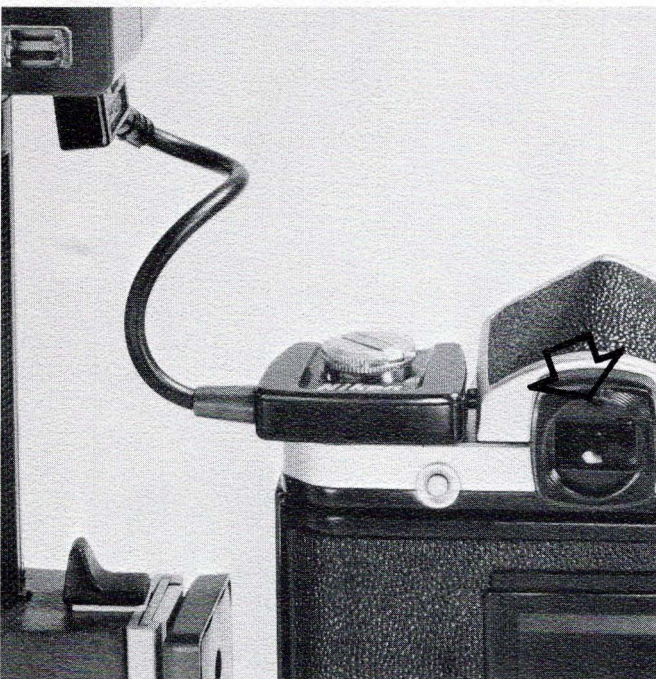
Six finders have been developed specifically for use with the Nikon F2. They are, of course, interchangeable among all F2 bodies. All but one are similar in function to their counterparts for the Nikon F.

F2 Standard Prism Finder (DE-1)

Shows brilliant, unreversed, right-side-up image visible from corner to corner even while wearing glasses. Has built-in ready-light for use with Nikon electronic flash unit. Eyepiece is threaded for Nikon system screw-in attachments (diopter-correcting lenses, right angle finder, and eyepiece magnifier) and accepts rubber eyecup.

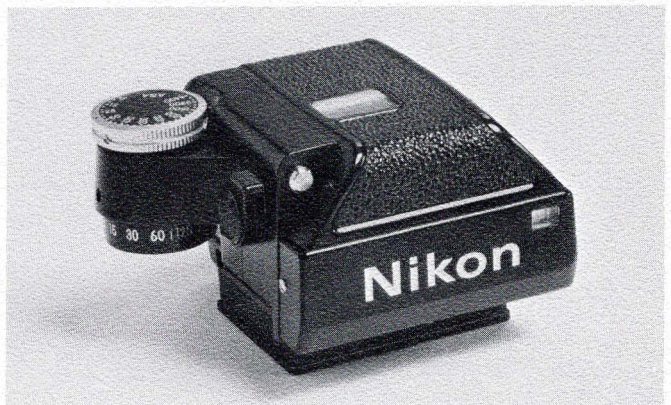


Arrow indicates ready-light built into eyepiece of F2 Standard Prism and Photomic systems.

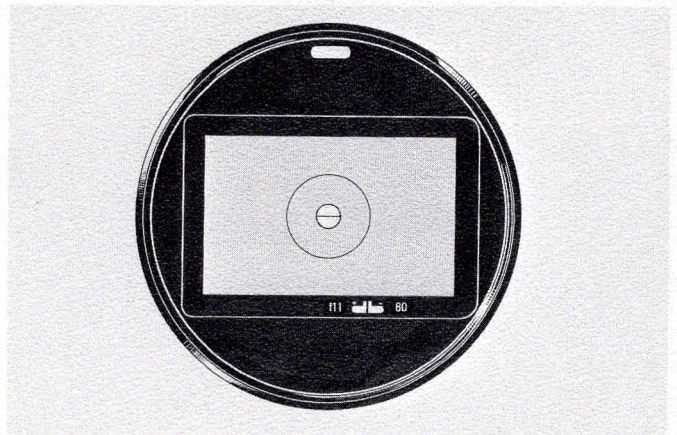


F2 Photomic Finder System (DP-1)

Based on the same, reliable "center-weighted" principle as Photomic FTN but more compact. Measures brightness of entire screen but concentrates 60% of its sensitivity on the central 12.5% of the area. A single reading provides accurate exposure in almost any situation, even with backlighting and for scenes containing marked brightness contrast. Readings are made with Auto-Nikkor lenses at full aperture; also permits stop-down measurements, with non-automatic lenses and when bellows or extension tubes are used.



Information visible thru the F2 Photomic finder includes all functions: Lens aperture (f1.2 to f32), shutter speed, meter needle with over- and under-exposure signals, Nikon flash ready-light plus, of course, thru-lens viewing and focusing. Meter needle also appears in window on top of housing.



F2 Photomic sensitivity extends from EV 1 to 17 (f1.4 at 1 second to f8 at 1/2000th with ASA 100), making boosters unnecessary. Adjusts for films ASA 6 to 6400. Works on 2 silver-oxide batteries that assure reliable performance even in cold weather. Other features: Auto-indexing when changing lenses, battery check, meter switch built into advance lever. Eyepiece accepts Nikon system screw-in attachments.



Nikon F2S Photomic System

Provides fully automatic, electronic exposure control for conventional as well as remote and unattended operation in conjunction with motor drive. The F2S system comprises two units that are available separately: F2S Photomic, which may be used separately in place of any other F2 finder, and cordless EE aperture control attachment. The entire system is remarkably light and compact.



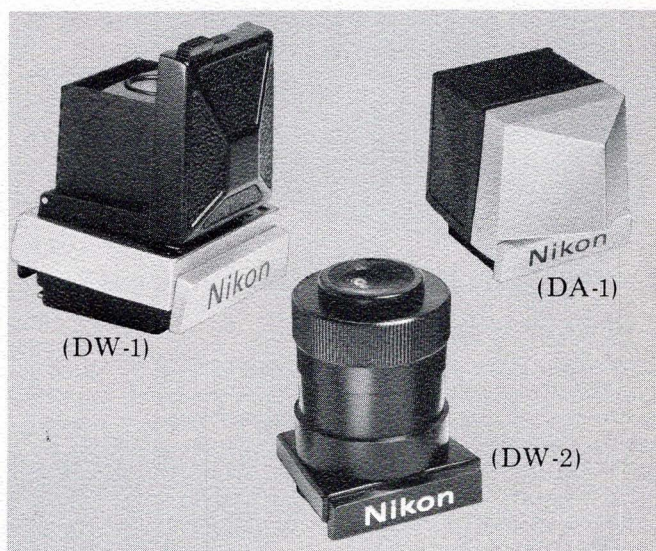
F2S Photomic (DP-2)

Also based on "center-weighted" principle but differs from F2 Photomic in several respects. Instead of a meter needle, the exposure information appears in the form of over- and under-exposure signals visible both in the finder and on top of the housing. Aperture and shutter speed are also visible through the finder. Sensitivity range is enormous, from EV minus 2 (8 seconds at f1.4 with ASA 100 film) to EV 17; no added booster is needed. ASA range 12-6400. Nikon flash ready-light is built in. Eyepiece accepts Nikon system screw-in accessories.



EE Aperture Control Attachment (DS-1)

Simply slides under the F2 rewind knob and automatically makes contact with F2S Photomic. There are no connecting cords. Contains its own nickel-cad battery. Nikkor lenses require no modification for automatic operation with the F2S Photomic System.



F2 Action Prism Finder (DA-1)

Shows entire finder screen with camera held 2½ inches from eye. Especially valuable when wearing glasses or goggles, and when camera is mounted in underwater housing. Precision optical system produces exceptionally brilliant image.

F2 Waistlevel Finder (DW-1)

Unfolds for convenient vertical viewing and focusing. Has built-in pop-up magnifier.

F2 6x Magnifying Finder (DW-2)

Provides largest and brightest view of entire screen, with all corners visible even for those wearing glasses. Has diopter correction from minus 5 to plus 3. Optical construction is same as a high-quality, multi-element lens. Includes rubber eyecup.

Nikon F2 Motor Drive System

The F2 benefits from more than fourteen years of Nikon experience in building motor-driven 35mm cameras for professional use. It is natural, therefore, that the F2 should offer not only the legendary Nikon ruggedness that is imperative for reliable motor-drive operation, but also the most advanced facilities in this area.



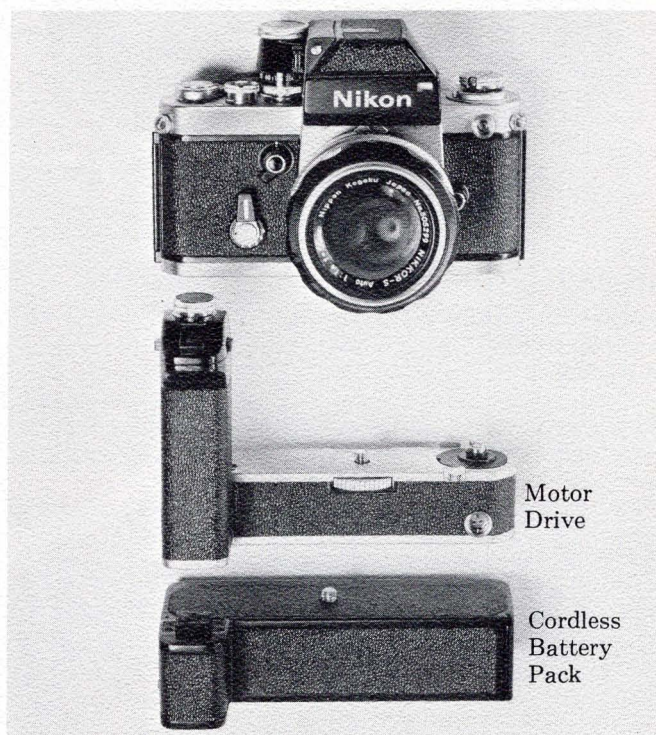
Up to 5 shots per second

The F2 motor drive provides firing rates of 1, 2, 3, 4 and 5 frames per second using the cordless battery pack. It may be preset to fire automatically at the selected rate, as long as the shutter release button is depressed, or for single shots. Remarkably, the F2 mirror remains operative for reflex viewing rates up to and including 4 per second. Simplified controls are located on back of motor drives. An accessory AC converter is available.



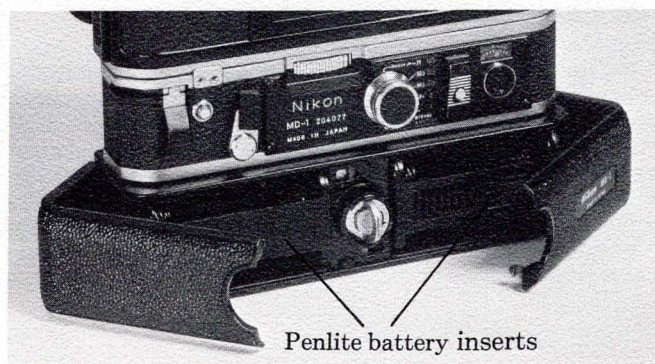
Interchangeable modular design

Every Nikon F2 motor drive fits every F2 camera without any modification. To "motorize" any Nikon F2, you simply remove the back-opening key (storing it in the motor drive), place the F2 motor drive against the bottom of camera and secure it to the tripod socket, using the large thumb wheel. No need to remove the back, and no connecting cords are required, except for certain remote control applications. Motor drive remains on camera even while changing film.



Cordless battery operation

Cordless battery pack attaches to basic motor drive and transforms F2 into compact, one-piece rapid-fire camera. Accepts choice of self-contained power sources: Two clip-in nickel-cad inserts, for firing up to 5 shots per second, or 10 penlite AA batteries, for up to 4 per second. Nickel-cads use external quick-charger so that charged spare set can keep camera in action while other set is recharging.





Motorized film rewinding

The motor-equipped Nikon F2 enables you to rewind the film with the touch of a button. The rewinding speed (7 seconds for a 36-exposure load) is automatically regulated.

Compact size, light weight

The basic 36-exposure motor drive adds less than 10 ounces and a mere 1¼ inches of height to the F2 camera; the cordless battery pack (including nickel-cads) just under 24 ounces and 1½ inches. Even the 250-exposure back weighs only 43 ounces.

36, 250 or 800-exposure capacity

The basic F2 motor drives, which involve no change in the camera back, work with standard 20- or 36-exposure film cartridges or special F2 film magazines recommended for high-speed operation. For extended shooting, you can interchange the camera back with either of two larger film backs: one holds a 250-exposure load, the other 800 exposures. Each has a tiny built-in auxiliary motor that assures even film take-up and requires no additional power source. The basic motor-drive, of course, remains in place.

Accessories

These are the same accessories used with Nikon F motor drives, available with appropriate cords for Nikon F2 motor drive when ordered accordingly.

Pistol grip

Wireless control

Intervalometer NC-2

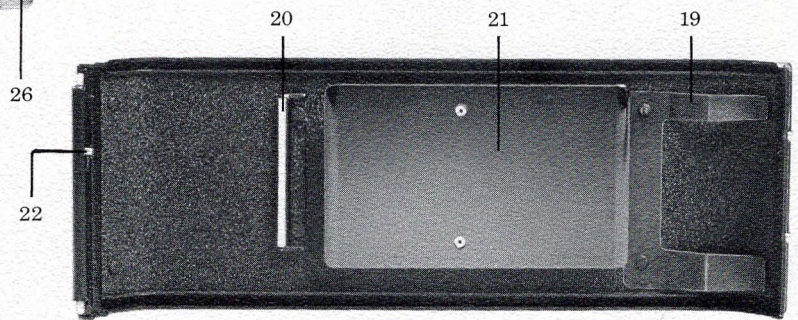
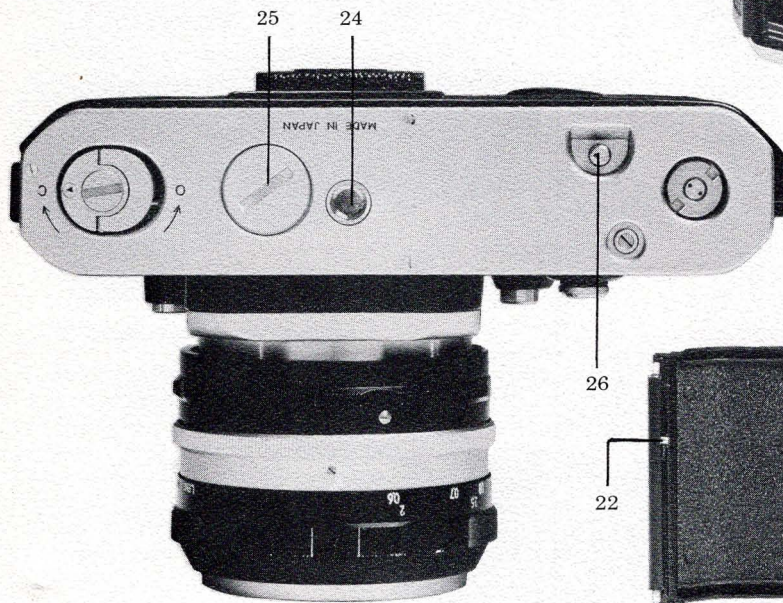
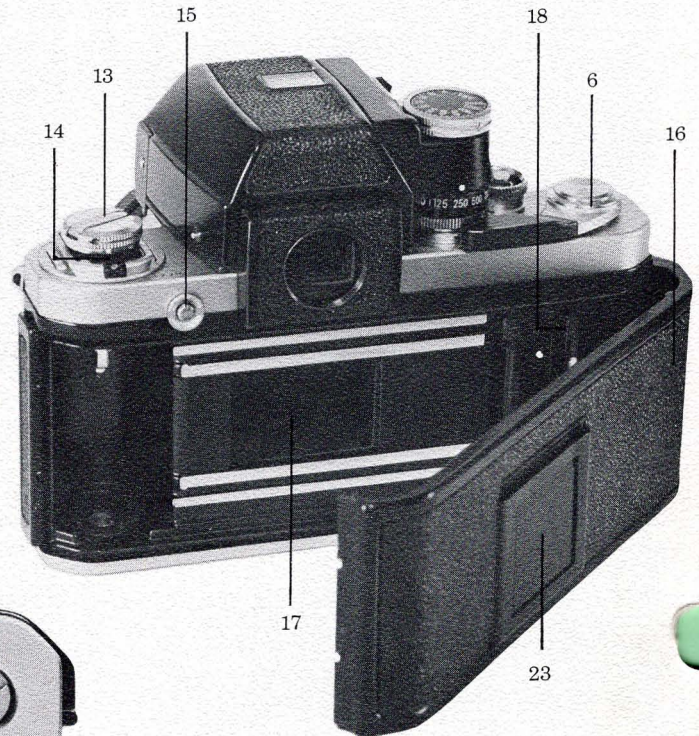
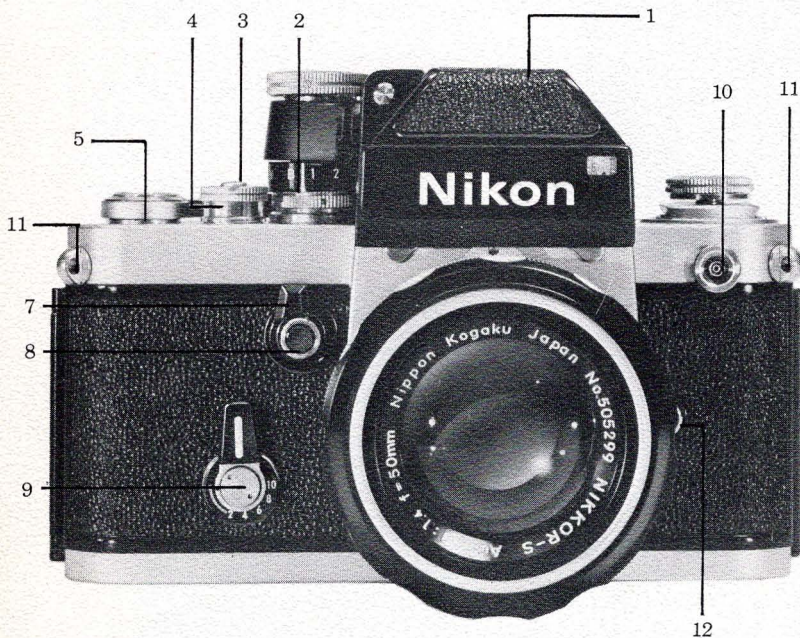
Repeating electronic flash

AC converter



Nikon F2 equipped for fully automatic, unattended operation with F2S Photomic system, electric motor drive and 250-exposure back, to be controlled by Nikon Intervalometer.

Features of the Nikon F2



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| 1. Interchangeable F2 Photomic Finder System | 9. Dual-purpose self-timer | 18. Fixed take-up spool |
| 2. Non-spinning shutter speed dial | 10. Threaded PC terminal socket | 19. Film cartridge stabilizer |
| 3. Shutter release button | 11. Neckstrap lugs, stainless-steel reinforced | 20. Film flattening roller |
| 4. Shutter release lock and "T" control | 12. Lens release button | 21. Oversize pressure plate |
| 5. Auto-reset exposure counter (registers S to 40) | 13. Fold-out rewind crank | 22. Back release catch |
| 6. Advance lever, also activates Photomic meter switch | 14. Cordless synch connection | 23. Film box tab receptacle |
| 7. Independent mirror control | 15. Finder release button | 24. Tripod socket in body casting, avoids strain on camera base plate |
| 8. Depth-of-field previewer | 16. Hinged, removable back. | 25. Meter battery receptacle. |
| | 17. Titanium shutter curtain | 26. Multi-exposure/rewind button |

All specifications subject to change without notice.