

# Nikon FM



- **Compact, Lightweight Convenience**
- **Gallium Photo Diode Meter with LED Readout**
- **Full Motor Drive Capability**

The Nikon FM is a camera of exceptional capabilities, crafted in the uncompromising tradition of Nikon excellence. Although significantly smaller and lighter than the conventional slr, its full-size controls are designed for the fast, comfortable handling intrinsic to the Nikon system of photography. Equipped with the optional compact Nikon Motor Drive MD-11, it provides the advantages of automatic firepower in single-frame or sequence operation at rates up to 3.5 frames per second. And, it accepts all reflex-viewing F-mount slr Nikkor lenses, from 6mm to 2000mm (except 6mm f5.6 and 10mm f5.6 OP Fisheye lenses) for unrestricted optical versatility.

## Gallium Photo Diode Metering with LED Readout

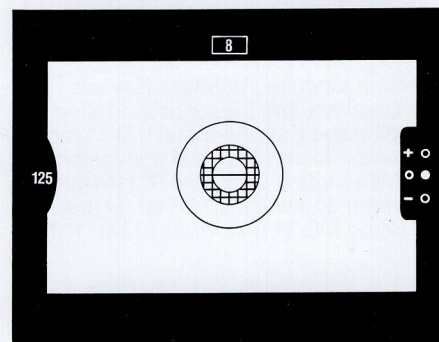
GP system responds to light changes with incredible speed especially at low light levels. Also, its sensitivity range is so great that it can provide accurate readings anywhere from conditions requiring an exposure of 1 second at f1.4 to scenes demanding 1/1000th second at f16 (EV 1 to 18 with ASA 100 film and f1.4 lens).

The always-bright LED viewfinder readout responds to adjustments of either aperture or shutter speed. A total of 5 readout indications assure exposure accuracy within  $\pm 0.2$  EV (1/5 f-stop). Metering is speeded and simplified by automatic maximum aperture indexing with AI-Nikkor lenses and on/off switching by film transport lever. Solid-state meter circuit is highly shock-resistant for lasting reliability.

|   |   |                                     |
|---|---|-------------------------------------|
| + | • | Overexposure by more than 1 f-stop  |
| + | • | Overexposure by 1/5 to 1 f-stop     |
| + | • | Correct Exposure                    |
| + | • | Underexposure by 1/5 to 1 f-stop    |
| + | • | Underexposure by more than 1 f-stop |

## Center-Weighted Through-The-Lens Meter

The Nikon FM meter observes the entire image area but concentrates more than half its sensitivity in the central 12mm area, shown by a circle in the viewfinder. This proven, center-weighted method assures consistently excellent exposures with a single reading, under the broadest variety of lighting conditions and is equally accurate with the camera held in vertical or horizontal position. Metering is done at full aperture with all AI-Nikkor lenses, with stop-down metering of equal accuracy when using non AI-Nikkor lenses or accessories.



## Full-Information Viewfinder

Shows precise lens aperture in use with all AI-Nikkor lenses via exclusive Nikon Aperture Direct Reading (ADR) method; also shows selected shutter speed, correct exposure, and under/over-exposure signals. The extremely bright pentaprism finder contains the famed Nikon "K" screen, providing split-image rangefinder, micropism circle, and full-area groundglass for unparalleled focusing accuracy.



# Nikon FM

## Unique Metal Shutter with High-Speed X-Synch

Vertical-travel shutter, specially designed for FM, travels up instead of down, minimizing noise and vibration and increasing durability. Top-mounted dial controls 12 speeds, 1 second to 1/1000th, plus "B", with electronic flash synch to 1/125th second and bulb synch to 1/30th. Built-in hot shoe accepts standard Nikon and other cordless flash units; shoe is switched on only when unit is in place, preventing annoying shock. Additional PC terminal, for cord-type units and for off-camera flash, is threaded for slip-proof Nikon screw-on cords, accepts all PC cords.

## Convenient Multiple Exposure Control

Simply push button on camera top towards viewfinder while operating transport lever to re-cock shutter without advancing film. Registration accuracy is highly precise.

## Other Features

Nikon FM offers a 'cancellable' self timer, film-memo holder, and depth-of-field preview control. Its oversize pressure plate plus extra-long film rails, cassette stabilizer, anti-bellying roller and emulsion-side-out winding on takeup spool assure superior film flatness for optimum edge-to-edge sharpness.

Nikon FM is available in either satin chrome (Product No. 1682) or in professional black finish (Delivery and Product No. to be announced).

## Nikon Motor Drive MD-11

This compact motor drive permits single-shot or sequence operation at firing rates up to 3.5 frames per second, according to shutter speed in use, as well as multiple exposures. The motor provides a convenient anatomical grip with built-in shutter release button. Using 8 penlite AA alkaline batteries, it delivers power for approximately 100 36-exposure film loads. Built-in external LED signal indicates correct functioning. MD-11 also permits remote operation via Nikon Modulite, Wireless Remote Control, and Intervalometers (described in *Nikon F2 Motor Drive* catalog section). All-metal MD-11 motor screws directly onto FM camera via a convenient knurled screw. Measures 5.7"x2.7"x4.3" (144mm x 68.5mm x 109.5mm) and weighs 14.5 oz. (410g), less batteries. Nikon MD-11 unit, Product No. 101.

## Technical Specifications

**Camera Type:** Compact 35mm slr with through-the-lens Gallium Photo Diode metering, interchangeable lenses, and accessory Motor Drive.

**Lensmount:** Chromed-steel Nikon bayonet accepts all reflex-viewing Nikkor lenses 6mm-2000mm and all Nikon-mount accessories. Flange/film distance 46.5mm. Automatic diaphragm coupling.

**Exposure Control:** Through-the-lens, LED readout with aperture or shutter priority.

**Meter System:** Dual Gallium Photo Diode cells concentrate more than half of their sensitivity on central 12mm area shown by circle in finder; operates at full aperture with all AI-Nikkor lenses; stop-down measurement with non-AI lenses, attachments, or instruments. Automatic maximum-aperture indexing with all AI-Nikkor lenses.

**Meter Ranges:** ASA 12-3200; EV 1 to 18 (with ASA 100 film and f1.4 lens). Full-aperture coupling range: f1.2-f32.

**Shutter:** All-metal vertical-travel focal plane; speeds "B", 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, and 1/1000th second.

**Flash Synchronization:** "X" synch at "B" and 1-1/125th second; "M" synch at "B", 1-1/30th second.

**Flash Contacts:** Built-in hot shoe with automatic safety switch; single PC outlet accepts Nikon screw-on or conventional PC cords.

**Viewfinder:** Built-in pentaprism finder with -1.0 diopter eyepiece; information display includes 5-stage LED readout, under/over-exposure indicators, shutter speed in use, and selected lens aperture with all AI-Nikkor lenses through Nikon Aperture Direct Reading (ADR) system.

**Focusing Screen:** Fixed Nikon Type K screen with 3mm-diameter split-image rangefinder, 1mm micropism circle plus overall matte Fresnel area; large circle shows center-weighted measurement area.

**Reflex Mirror:** Oversize instant-return type with special damping mechanism.

**Film Loading:** Multi-slotted takeup spool, hinged back and additive automatic-reset exposure counter for fast loading.

**Film Transport:** Single-stroke lever advances film, winds shutter, switches meter on, and counts exposures in 135° action, may be left at "ready" position 30° from camera body, to activate meter; when folded flush, lever turns meter off.

**Film Rewind:** Rewind-release button on camera baseplate; fold-out rewind crank pulls up to open camera back, after safety catch is released.

**Multiple Exposure Control:** By pressing control button on camera top while operating film transport lever; also operates with Nikon Motor Drive attached.

**Battery Type:** Two 1.5v silver oxide batteries (Eveready S76 or equivalent) power meter.

**Other Features:** Depth-of-field preview; stainless-steel reinforced neckstrap eyelets; built-in self-timer with variable delay to approximately 10 seconds, timer cycle may be 'cancelled' before exposure; memo holder on camera back stores film carton tab or other data.

**Dimensions:** Camera body, 5.6" x 2.4" x 3.5" (142mm x 60.5mm x 89.5mm).

**Weight:** 21.2 oz. (600g).

All specifications subject to change without notice.