

*Nikkormat*

# Fully automatic, with Nikon System versatility



## Nikkormat EL with electronically-controlled shutter

From any point of view — whether for its innovating design, ultra-precise engineering, purposeful practicality, or sheer functional beauty — the Nikkormat EL ranks as an outstanding achievement of camera technology.

Quite apart from its membership in the Nikon system, the EL offers the 35mm photographer a spectacular combination of automatic ease, superior picture quality and wide-ranging versatility. Nikon developed its own electronic system to assure optimum performance of the EL shutter. Linked with the famous “center-weighted” meter system, this shutter provides unerring exposure accuracy to meet the most critical demands of fine color photography.

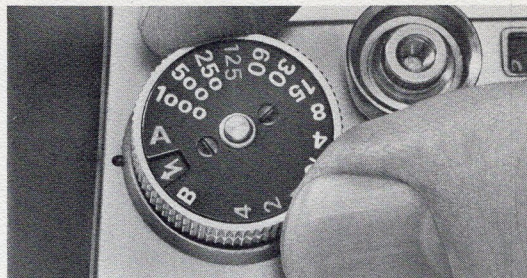
Meticulous “human engineering” is evident throughout the Nikkormat EL. Controls are shaped and placed for effortless, natural operation, and many are plastic-tipped for easier “feel.” The result is an uncommonly responsive instrument that inspires a unique feeling of total confidence in one’s mastery of any picture situation.

What makes the Nikkormat EL even more significant is that this superb camera is part of the Nikon system. Thus, all Nikkor lenses that couple with other Nikon and Nikkormat meter systems also couple with the EL system automatically. The EL also accepts all Nikon closeup equipment, viewfinder attachments, and dozens of other accessories. It represents, in short, a brilliant new facet of Nikon System Resolution.



## FULLY AUTOMATIC EXPOSURE SETTING

When the Nikkormat EL shutter speed dial is set to "A", an ingenious electronic system automatically adjusts the shutter for the precise speed that will provide correct exposure at the selected lens aperture. Shutter speed adjustment is stepless through entire range from 4 seconds to 1/1000th, so that exposure may take place at speeds between marked settings.



## ELECTRONICALLY-CONTROLLED SHUTTER

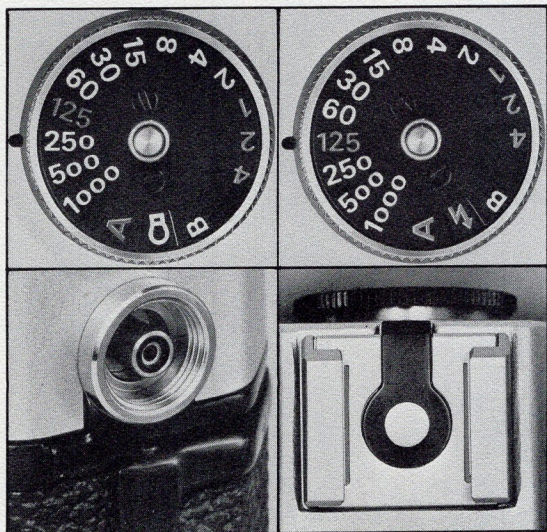
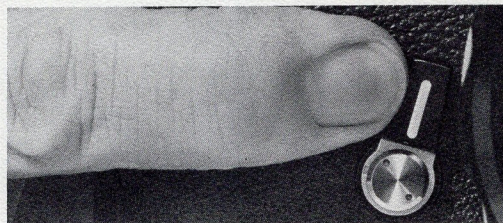
The heart of the EL shutter is a tiny, 2mm-square monolithic, integrated circuit which comprises nearly 100 electronic components and is superior to conventional hybrid circuitry. It works in conjunction with a Functional Resistance Element linking it with the EL "center-weighted" meter system. All these components were developed by Nikon and help produce exceptionally high shutter speed accuracy and repeat reliability. The electronic system controls all shutter speeds even when they are selected manually. The shutter works on a 6-Volt silver oxide battery that also powers the meter system.

## "CENTER-WEIGHTED" METER SYSTEM

Measures brightness of entire finder screen but concentrates 60% of its sensitivity on central 12mm diameter area (about 13% of total screen). Result is correct exposure in virtually any situation, even when central subject is markedly brighter or darker than surrounding area. The system works at full aperture with Auto-Nikkor lenses, and also permits stop-down operation—each with both automatic and manual control. With the latter, either the shutter speed dial or the aperture ring may be adjusted to align the meter needle. With automatic operation, unique electronic circuitry registers subject brightness only an instant before mirror flips up, reflecting any last-moment lighting change. Meter sensitivity is extremely wide, from EV1 to EV18. Adjusts for films from ASA 25-1600.

## EXPOSURE LOCK

Pushing the self-timer lever towards the lens locks in the automatically set shutter speed until the lever is released (after the exposure). Maintains convenience of full automation in exposing for selected subject area or for special exposure effects.



## COMPLETE FLASH FACILITIES

**X-synch to 1/125th second** The ability to use this high shutter speed with electronic flash minimizes the risk of "ghost" images caused by other, existing light.

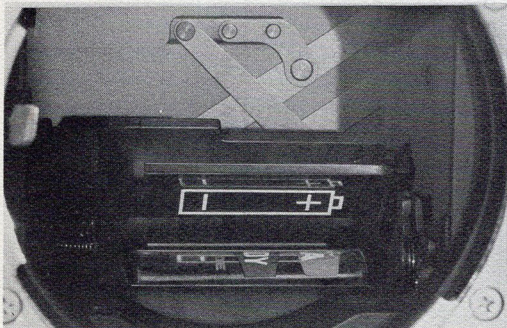
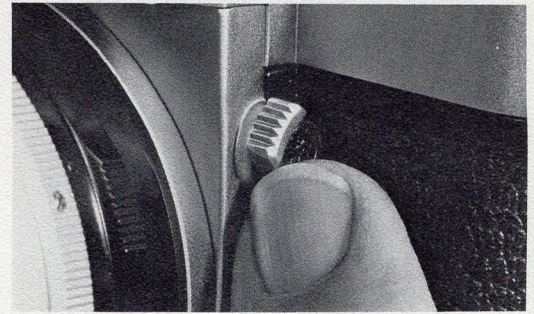
**M-synch at all speeds** The EL shutter synchronizes with flashbulbs at up to 1/1000th second. A selector on the shutter speed dial may be set for the desired type of synch.

**Standard terminal plus "hot shoe"** The single PC terminal is threaded for screw-in Nikon flash cords, accepts all standard PC cords. The "hot shoe" on top of the prism housing, for cordless connection with properly equipped flash units, is "live" only when a unit is actually in place.



## IMPROVED AUTO-RETURN MIRROR

Extra-large EL mirror all but eliminates finder image cutoff, even with long lenses. Independent mirror control permits locking mirror "up" for battery changing or for special photographic applications.

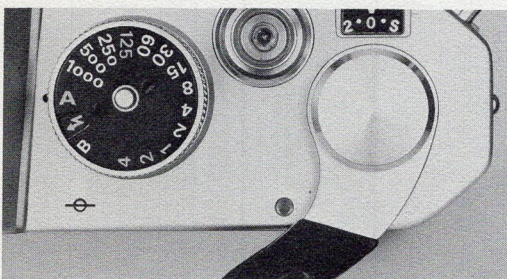


## ONE-BATTERY OPERATION

A single 6-Volt silver oxide battery (Eveready 544) powers both shutter and meter system. Performs reliably in temperatures ranging from about 5° F to 130° F. Battery is housed in bottom of mirror box. Battery check is provided on back of camera. (Note: Shutter works at 1/90th second even when battery is completely exhausted.)

## FILM IS HELD PERFECTLY FLAT

Nikkormat EL uses a system similar to the Nikon F2 to assure true film flatness during exposure: Extra-large pressure plate, film roller and cassette stabilizer, in addition to emulsion-side-out winding onto takeup spool. Result is sharpest possible image on film.



## MULTIPLE-FUNCTION TRANSPORT LEVER

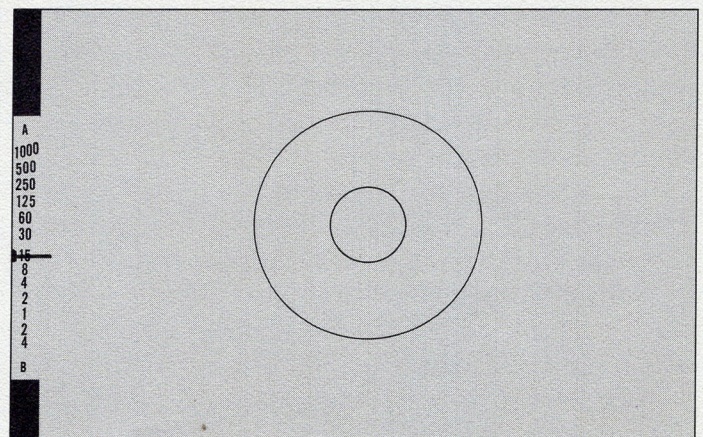
A single, short (135°) swing of the lever advances the film, cocks the shutter, and activates the exposure counter. In addition, the lever action also turns the meter system on and off, eliminating the need for a separate switch. Furthermore, unless the lever is swung out 30°, the shutter release button is locked, preventing accidental exposure. Lever has plastic tip to make operation easy on thumb.

## FULL VISUAL CONTROL THRU FINDER

Thru-the-lens reflex system shows exceptionally bright and parallax-free subject image, with all four corners visible even to eyeglass wearers. Central micropism spot speeds accurate focusing, and 12mm circle outlines "weighted" metering area.

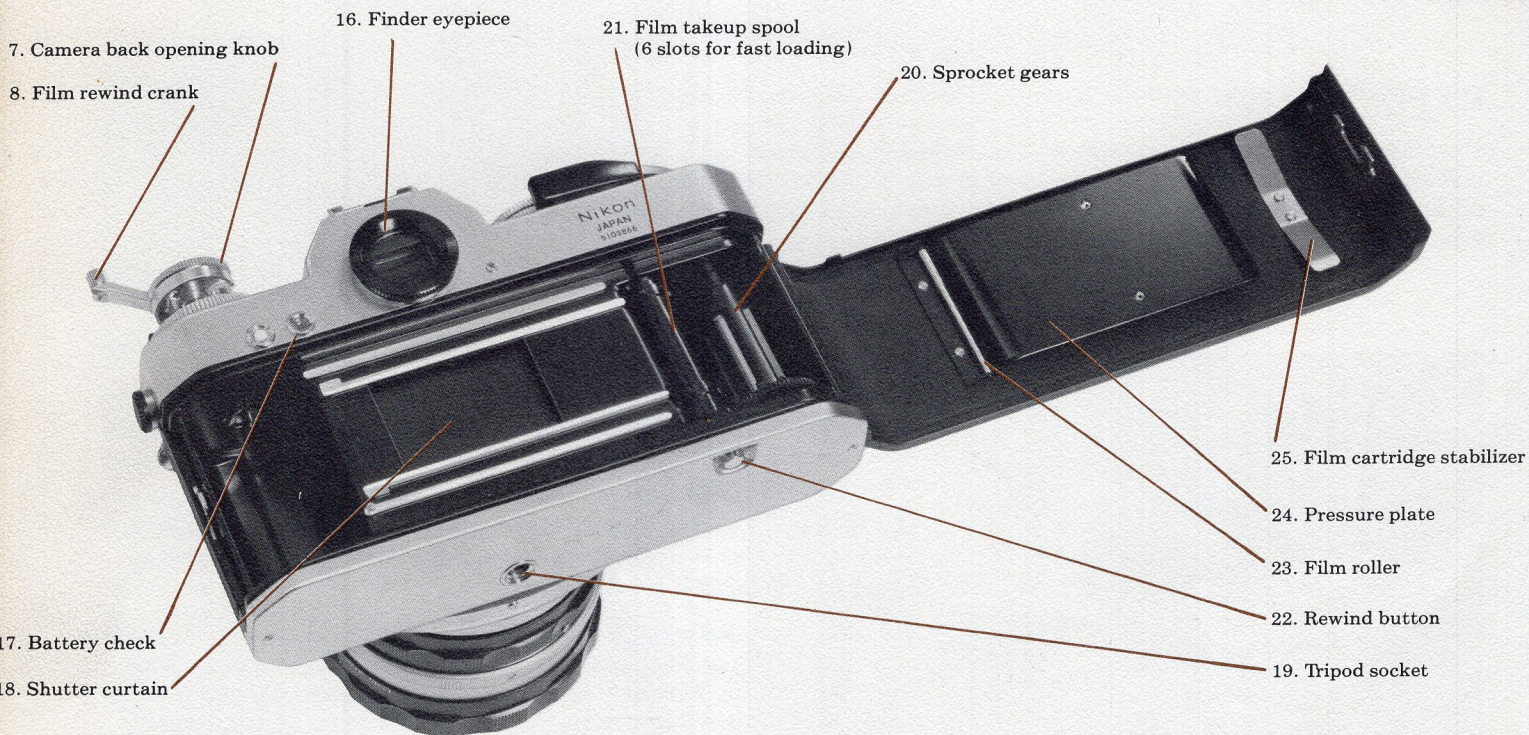
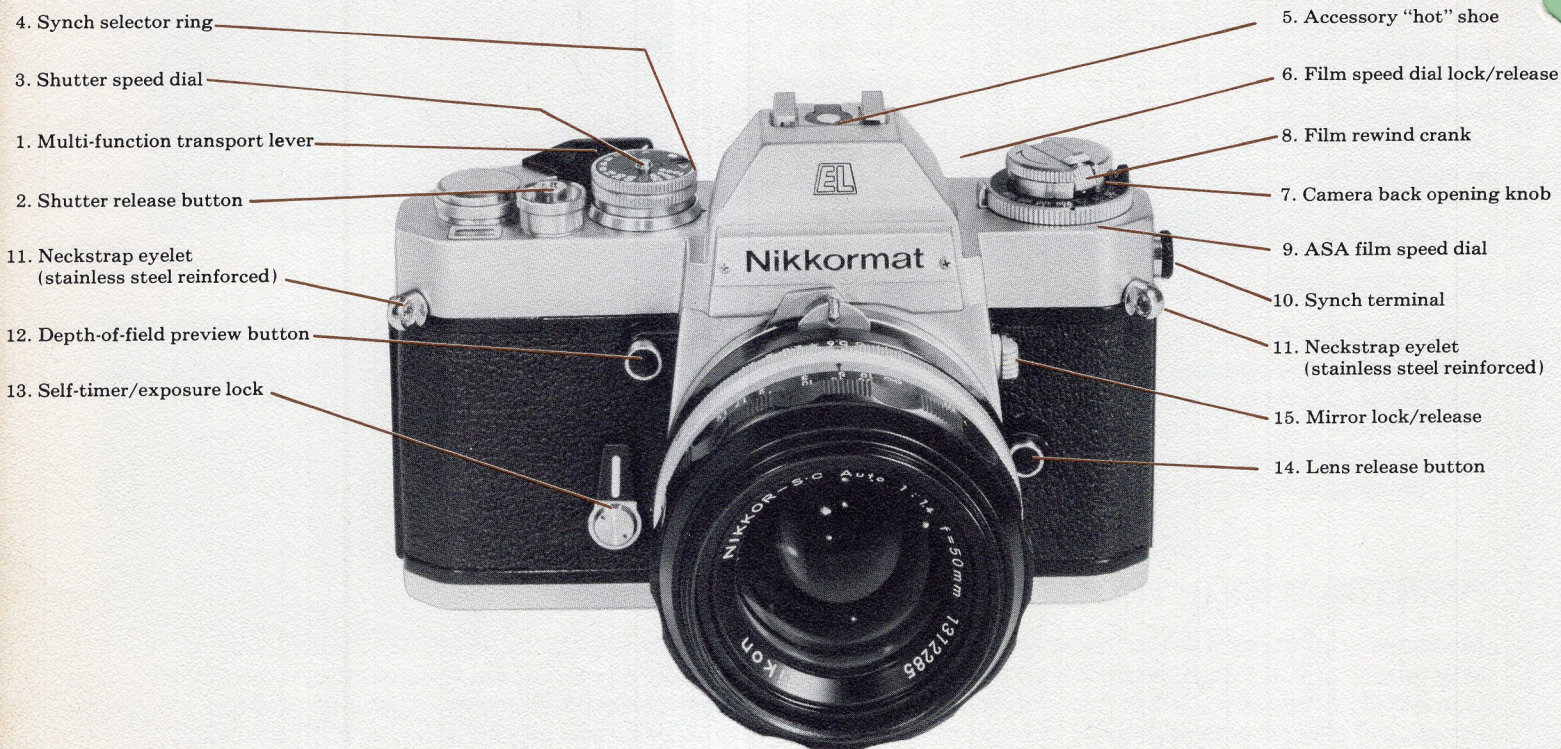
Scale at left of finder field shows all shutter speeds plus "A" (automatic). Moving black needle indicates exposure speed. Green needle points to "A" with automatic operation or may be aligned with black needle for semi-automatic exposure control with manual speed selection.

Finder eyepiece accepts screw-in accessories (diopter-correcting lenses, 2x Magnifier, Right Angle Finder and Flash Ready-Light) and rubber eyecup.





# Nikkormat



Nikkormat EL is available with brushed chrome trim (Product No. 1822) or all-black finish (Product No. 1826).

Specifications subject to change without notice