

# Nikon EL2



- Automatic Exposure Control
- Silicon Photo Diode Meter Accuracy
- Nikon Quality and System Versatility
- Automatic Firepower Capability

The EL2 is truly the automatic Nikon. Its aperture-priority system provides fully automatic exposure setting with any reflex-viewing Nikkor lens and virtually any other image-forming attachment. Yet, it allows the photographer widest possible creative control over the exposure. Add the compact, optional accessory Auto Winder AW-1 and even the film transport becomes automatic. Every detail of the EL2, including its sophisticated electronic system, reveals the Nikon heritage of ingenious design and ultra-precise engineering.

## Automatic Electronic Exposure Control

With the shutter dial set at "A" (automatic), the photographer merely selects the lens aperture, focuses, and shoots. Solid-state electronic circuitry relays the meter's exposure command to the electromagnetically controlled shutter and determines the precise speed required within a stepless range from 8 seconds to 1/1000th. Because the system is based on aperture priority, it works automatically with any reflex-viewing lens (even Reflex Nikkors, which have no diaphragm) as well as with closeup accessories, telescopes and microscopes. Full-aperture metering is provided with all AI-Nikkor lenses; stop-down method is used with other lenses.

## Special Creative Exposure Controls

a. *Exposure Memory Lock*—Pressing the memory lock/self-timer lever toward the lens locks the shutter at the automatically determined setting permitting selective exposure for backlit subjects and other special situations.

b. *Exposure Compensator*—May be programmed for deliberate variations from -1 to +2 EV (e.g., 1 f-stop less to 2 stops more than normal exposure) with automatic operation.

c. *Match-Needle Control*—With shutter dial moved off the "A" setting, either the shutter speed or the lens aperture can be changed to align the meter needles in the finder for correct exposure.

## Automatic Maximum Aperture Indexing

For full-aperture metering with the Nikon EL2, the photographer need only attach the selected AI-Nikkor lens with a quick quarter turn. No further adjustments are required. Stop-down exposure measurements, equally accurate, are used (either in automatic or manual mode) with all reflex-viewing non-AI lenses, attachments and optical instruments. (Note: most previous Auto-Nikkor lenses can be converted for AI operation; please refer to *Nikkor Lens AI Conversion* page in Nikkor Lenses catalog section.)

## Full Flash Capability

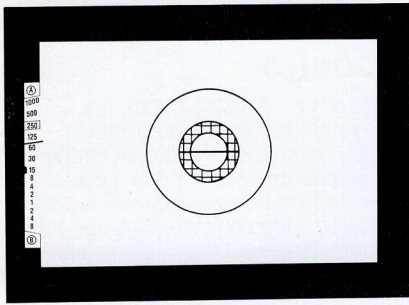
Vertical-travel metal shutter permits "X" synch to 1/125th second, "M" synch to 1/1000th; no adjustments required for different flash types. Built-in hot shoe provides cordless flash synch with Nikon or other hot-shoe units; safety switch activates shoe only when flash is inserted, protects against annoying shock. PC outlet, for cord-type units or off-camera flash, accepts slip-proof Nikon screw-on or conventional flash cords.

## Dual Meter Switches

(a) Moving transport lever 30° from camera body switches meter on; when lever is flush against body, meter is switched off (and shutter release is locked).  
(b) Separate switch around shutter release button controls meter (and overrides release lock) when lever is in flush position, for use with Auto Winder; also convenient for left-eye users at all times.



# Nikon EL2



## Center-Weighted Dual SPD Meter System

Most consistently accurate system for through-the-lens exposure control. Observes entire picture area, but concentrates more than half of its sensitivity on central 12mm-diameter area outlined in viewfinder. Result is correct exposure in the vast majority of shooting situations, whether camera is held in horizontal or vertical position. Advanced Silicon Photo Diode (SPD) cells provide practically instantaneous response and wide-ranging sensitivity, from EV 1 to EV 18.

## Full Visual Control Through Finder

The brilliant EL2 viewfinder shows the shutter speed in use (automatically or manually selected) on a complete shutter speed scale from 8 seconds to 1/1000th second, and auto/manual indicator needle. The finder incorporates the famed Nikon K screen with central split-image rangefinder plus microprism ring and overall matte Fresnel surface for fast, pin-point focusing accuracy with any lens; a circle in the finder outlines the center-weighted meter area.

## Other Nikon EL2 Features

Depth-of-field preview button; memory lock/self-timer; oversize mirror, preventing finder image cutoff with long lenses; independent mirror lock-up; hinged back with safety lock; Nikon 5-point film flatness control.

Nikon EL2 is available in chrome (Product No. 1623) or professional black finish (Product No. 1628).

## Auto Winder AW-1

This compact, cordless accessory screws directly to the EL2 baseplate, without modification—easily attached or removed in seconds. As the photographer eases up on the shutter button, the Auto Winder advances film, cocks shutter, and counts exposures—all in approximately 0.5 seconds, permitting rapid-sequence automatic firepower at up to 2 exposures per second at shutter speeds of 1/125th second or faster. Auto Winder is powered by 6-1.5v AA batteries, good for up to approximately 5000 exposures (150 36-exposure rolls). Built-in LED signal flashes each time film is advanced. Equipped with its own film rewind button and tripod socket, the Nikon Auto Winder measures 5.7 x 1.5 x 1.6" (140x38x41mm) and weighs 9.9 ounces (281g) less batteries. Supplied exclusively in professional black finish, Product No. 8.

## Technical Specifications

**Camera Type:** Automatic 35mm slr with through-the-lens Silicon Photo Diode metering, interchangeable lenses, and accessory Auto Winder.

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

**Exposure Control:** Automatic through-the-lens, with aperture priority; manual match-needle with aperture or shutter priority.

**Meter System:** Silicon 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.

**Automatic Exposure Compensator:** Built-in, adjustable in 0.5 EV increments from -1 EV to +2 EV.

**Automatic Exposure Memory Lock:** Built-in, operated via self-timer lever.

**Shutter:** Electronically-timed, all-metal vertical-travel focal plane; speeds "B", 8, 4, 2, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, and 1/1000th second in manual mode; continuously variable 8—1/1000th second in automatic mode. Shutter operates at 1/90th second in manual mode if battery is depleted.

**Flash Synchronization:** "X" synch at "B" and 8—1/125th second; "M" synch at "B", 8—1/30th, 1/250—1/1000th second; automatic synch adjustment as shutter speed is set.

**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 meter needle, under/over-exposure indicators, auto/manual signal, shutter speed in use, and complete shutter speed scale.

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

**Reflex Mirror:** Oversize instant-return type with independent locking control.

**Film Loading:** Multi-slotted take-up 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 and locks shutter release. Control around shutter release button serves as secondary meter/shutter lock control.

**Film Rewind:** Rewind-release button on camera baseplate; fold-out rewind crank pulls up to open camera back.

**Battery Type:** One 6v silver oxide battery (Eveready 544 or equivalent) powers meter and shutter; battery tester built in.

**Other Features:** Depth-of-field preview; stainless-steel reinforced neckstrap eyelets; built-in self timer with variable delay to approximately 10 seconds; accepts optional Auto Winder AW-1.

**Dimensions:** Camera body, 5.7" x 3.7" x 2.1" (145.2mm x 93.5mm x 54.5mm).

**Weight:** 26.5 oz. (750g).

All specifications subject to change without notice.