

Type of camera: Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter

Exposure modes: Programmed Auto (Flexible Program possible), Shutter-Priority Auto, Aperture-Priority Auto and Manual

Picture format: 24 x 36mm (standard 35mm film format)

Lens mount: Nikon F mount (with AF coupling, AF contacts)

Lenses usable: Nikkor and Nikon lenses having Nikon F mount

Viewfinder: Fixed eye-level pentaprism, built-in diopter adjustment (-2.0 to +1m⁻¹)

Eye point: 18mm (at -1.0m⁻¹)

Focusing screen: B-type BriteView Clear Matte Screen II, interchangeable with six other optional focusing screens

Viewfinder frame coverage: Approx. 100%

Finder magnification: Approx. 0.74x with 50mm lens set to infinity at -1.0m⁻¹

Viewfinder information: See page 3

Autofocus: TTL phase detection, Nikon Multi-CAM2000 autofocus module

Autofocus detection range: Approx. EV -1 to EV 19 (ISO 100, at normal temperature)

Focus modes: Single Servo AF and Continuous Servo AF, and Manual

Focus Tracking: Automatically activated in Single Servo AF or Continuous Servo AF

Focus area: One — or a group — of 11 focus areas can be selected

AF Area Modes: Single Area AF, Dynamic AF, Group Dynamic AF or Dynamic AF with Closest-Subject Priority selectable

Focus lock: Focus is locked by pressing AE/AF-L button or lightly pressing shutter release button in Single Servo AF

Exposure metering: Three built-in exposure meters — 3D Color Matrix, Center-Weighted and Spot

Metering range (ISO 100, f/1.4 lens): EV 0 to EV 20 in 3D Color Matrix and Center-Weighted, EV 2 to EV 20 in Spot

Exposure compensation: With exposure compensation button; ±5 EV range, in 1/3, 1/2 or 1 steps

Auto Exposure Bracketing: Number of shots: 2-7; compensation steps: 1/3, 1/2, 2/3, or 1 EV steps

Auto Exposure Lock: By pressing AE/AF-L button

Film speed setting: DX or Manual selectable (manual setting has priority over DX detected film speed); DX: ISO 25-5000, Manual: ISO 6-6400 in 1/3 steps

Shutter: Electronically controlled vertical-travel focal-plane shutter with built-in Shutter Monitor

Shutter speeds: 30 to 1/8,000 s (1/3 steps in S and M modes); Bulb setting available in M mode (Shutter speed can be prolonged to 30 minutes in M mode)

Accessory shoe: ISO518 hot-shoe contact digital data communication (sync contact, ready-light contact, TTL auto flash contact, monitor contact, GND), safety lock provided

Sync contact: X-contact only; flash synchronization up to 1/250 s (up to 1/8,000 s possible in AUTO FP High-Speed Sync)

Flash control: TTL flash control by combined five-segment TTL Multi Sensor with single-component IC and 1,005-pixel RGB sensor; i-TTL Balanced Fill-Flash with SB-800/600; Film speed range in TTL auto flash: ISO 25-1000

Flash sync modes: Front-curtain sync (normal sync), Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Slow Sync, Rear-Curtain Sync

Flash ready-light: Lights up when the compatible Nikon Speedlight attached is fully charged; blinks (3 seconds after flash) for full output warning

Sync terminal: ISO519 terminal, lock screw provided

Creative Lighting System: Advanced Wireless Lighting, AUTO FP High-Speed Sync, Modeling flash, FV Lock and Wide Area AF-Assist Illuminator available with SB-800/600 Speedlights

Self-timer: Electronically controlled; timer duration: 10 seconds

Depth-of-field preview button: Press to stop-down lens aperture

Mirror lockup: Set using film advance mode selector

Film loading: Film automatically advances to first frame when camera back is closed

Film advance modes: Automatic advance with built-in motor; three modes available (S: One-frame advance, CL: Continuous low-speed shooting, CH: Continuous high-speed shooting, CS: Continuous silent-low-speed shooting)

Film advance speed: (With Continuous Servo AF (C), Manual exposure mode, shutter speed of 1/250 s or faster, 36-exposure film, CR123A-type lithium batteries [AA-size alkaline-manganese or Rechargeable Li-ion Battery EN-EL4 in Multi-Power High Speed Battery Pack MB-40]) CL: Approx. 2 fps [4 fps]; CH: Approx. 5.5 fps [8 fps]; CS: Approx. 1 fps [2 fps]

Film rewind: Choice of automatic or manual; automatically rewinds at the end of film roll or when two film rewind buttons are pressed; rewind speed with 36-exposure film: Approx. 7 seconds (12 seconds in CS mode)

Multiple exposure: Activated via shooting menu

Interval timer: Activated via shooting menu

Top LCD panel information: See page 3

Rear LCD panel information: See page 3

Data imprint: Activated via shooting menu; in-frame, between-frame and 0-frame imprint possible; film speed range: ISO 50-3200 (DX)

Internal clock: Built-in clock; 24-hour type; leap year adjustment until December 31, 2099

Camera back: Hinged back; film confirmation window, AF area mode selector, multi-selector, MENU button, film speed (ISO) button, flash sync mode button, INFO button, rear LCD panel, built-in data imprint unit

Shooting data: Recordable number of film rolls (36 exposures): Approx. 57 rolls in basic shooting data (13 items), Approx. 31 rolls in detailed shooting data (21 items)

10-pin remote terminal: Equipped

Power source: Battery holder MS-41 provided (two 3V lithium batteries); optional Multi-Power High Speed Battery Pack MB-40 and AA-size battery holder MS-40 available (for eight alkaline-manganese, lithium or Ni-MH batteries, or one Rechargeable Li-ion Battery EN-EL4); built-in backup battery

Power switch: Power ON, OFF and LCD panel illuminator

Exposure meter: Auto meter shut-off 8 seconds after power turned on if no operations are performed; activated by lightly pressing shutter release button or pressing AF start button after power is turned on

Battery power confirmation:  for sufficient power;  indicates batteries are beginning to lose power;  indicates batteries are just about exhausted, prepare fresh batteries; blinking  indicates replacement of batteries is necessary (shutter locks and rear LCD indications disappear)

Usable number of 36-exposure film rolls per set of fresh batteries (Approx.):

The usable number of film rolls was tested under the following conditions by Nikon.

Test 1

Using an AF-S VR 24-120mm f/3.5-5.6G IF-ED lens, Vibration Reduction function on, in Continuous Servo AF with film advance mode at S and shutter speed of 1/250 second. After lightly pressing the shutter release button for 8 seconds, autofocus operation covers the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot. After the exposure meter automatically turns off, the same operation follows for the next shot.

Battery/Temperature	20°C (68°F)	-10°C (14°F)
CR123A 3V lithium	15	6
LR6/AA-size alkaline (with MB-40)	10	1
R6/AA-size Ni-MH (with MB-40)	30	30
FR6/AA-size lithium (with MB-40)	45	35
Rechargeable Li-ion EN-EL4 (with MB-40)	35	25

Test 2

Using an AF-S VR 70-200mm f/2.8G IF-ED lens, Vibration Reduction function on, in Continuous Servo AF with film advance mode at CH and shutter speed of 1/250 second. After lightly pressing the shutter release button for 3 seconds, autofocus operation covers the full range from infinity (∞) to the closest distance and back to infinity (∞) three times before each shot. The same operation follows for the next shot.

Battery/Temperature	20°C (68°F)	-10°C (14°F)
CR123A 3V lithium	35	15
LR6/AA-size alkaline (with MB-40)	55	4
R6/AA-size Ni-MH (with MB-40)	55	50
FR6/AA-size lithium (with MB-40)	95	70
Rechargeable Li-ion EN-EL4 (with MB-40)	65	50

Duration of Long Time (Bulb) exposure (Approx.):

Battery/Temperature	20°C (68°F)	-10°C (14°F)
CR123A 3V lithium	5 hours	3 hours
LR6/AA-size alkaline (with MB-40)	6 hours	1.5 hours
R6/AA-size Ni-MH (with MB-40)	5 hours	4 hours
FR6/AA-size lithium (with MB-40)	8.5 hours	7 hours
Rechargeable Li-ion EN-EL4 (with MB-40)	7 hours	6 hours

Tripod socket: 1/4 (ISO1222)

Custom Settings: 41 Custom Settings are available

Two-Button Reset: Pressing the MENU and INFO buttons simultaneously and holding them for more than 2 seconds resets various settings to their original default settings (with some exceptions)

Dimensions (W x H x D): Approx. 157 x 119 x 78.5mm (6.2 x 4.7 x 3.1 in.)

Weight (without batteries): Approx. 975g (34.4 oz.)

All specifications apply when fresh AA-size batteries are used at normal temperature (20°C/68°F) under test conditions established by Nikon. Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer. April 2005

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