

F6

The ultimate in film SLR evolution

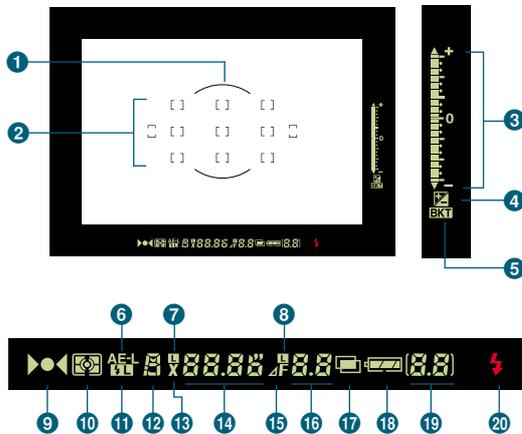
- Top-of-the-line professional camera
- 11-area Wide-Area AF with 9 cross-type sensors (Multi-CAM2000 AF module)
- Choice of four AF Area modes, including Group Dynamic AF
- Improved 3D Color Matrix Metering with 1005-pixel RGB sensor
- Color Matrix Metering works with non-CPU AI-type Nikkor lenses
- i-TTL Balanced Fill-Flash and Creative Lighting System including Advanced Wireless Lighting and versatile functions
- Continuous high-speed shooting to approx. 5.5 fps (8 fps with optional Multi-Power High Speed Battery Pack MB-40)
- High-precision, durable shutter unit with built-in shutter monitor
- New floating mechanisms minimize operational noise and vibration
- Hybrid metal body employs magnesium alloy for lightweight, superior durability
- Enhanced resistance to moisture, dust and extreme temperatures
- Built-in data back function (for in-frame or between-frame data imprint)
- Custom Settings for 41 functions
- Shooting data can be displayed on large-sized Rear LCD Panel
- Data can be stored as text data on CF cards via optional Data Reader MV-1
- Optional Multi-Power High Speed Battery Pack MB-40 is equipped with Main- and Sub-Command Dials, and shutter release button, AF start button and multi-selector for vertical shooting
- Interchangeable Focusing Screens (seven types available)
- Nikkor/Nikon lens and system compatibility





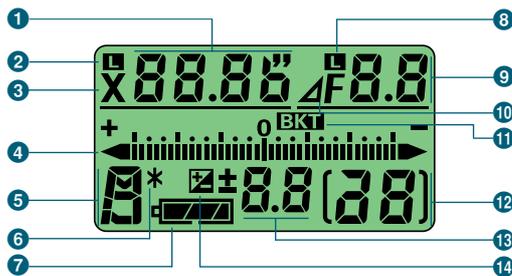
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|---|---|--|---------------------------------|
| 1 Shutter release button | 11 Focus mode selector | 21 INFO button | 31 Film rewind (R1) button |
| 2 Power switch | 12 Eyepiece shutter lever | 22 Metering system selector lock release | 32 Camera strap eyelet |
| 3 Sub-Command Dial | 13 Viewfinder | 23 Metering system selector | 33 Film rewind crank |
| 4 Depth-of-field preview button | 14 Auto Exposure Bracketing/Film rewind (R2) button | 24 Diopter adjustment knob | 34 Film advance mode |
| 5 Function button | 15 Command lock button | 25 AE/AF-L button | 35 Exposure mode button |
| 6 Self-timer indicator LED | 16 Rear LCD panel | 26 AF start button | 36 Exposure compensation button |
| 7 Film advance mode selector lock release | 17 Film confirmation window | 27 Main-Command Dial | 37 Camera strap eyelet |
| 8 Sync terminal | 18 Film speed (ISO) button | 28 Multi-selector | 38 Top LCD panel |
| 9 10-pin terminal | 19 MENU button | 29 Multi-selector lock lever | 39 Accessory shoe |
| 10 Lens release button | 20 Flash sync mode button | 30 AF Area mode selector | |

Viewfinder Information



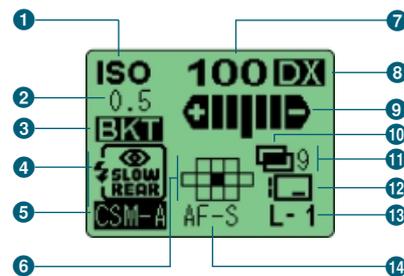
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|--|--|
| 1 12mm-dia. reference circle for Center-Weighted Metering area | 11 FV lock |
| 2 Focus area (focus brackets) | 12 Exposure mode |
| 3 Electronic analog exposure display | 13 Sync speed |
| 4 Exposure compensation | 14 Shutter speed |
| 5 Auto Exposure Bracketing | 15 Aperture stop |
| 6 Auto Exposure Lock | 16 Aperture |
| 7 Shutter speed lock | 17 Multiple exposure |
| 8 Aperture lock | 18 Battery power |
| 9 Focus indicators | 19 Frame counter/Exposure compensation value |
| 10 Metering system | 20 Flash ready-light |

Top LCD Panel Indications



- | | |
|--------------------------------------|--------------------------------|
| 1 Shutter speed | 8 Aperture lock |
| 2 Shutter speed lock | 9 Aperture |
| 3 Sync speed | 10 Aperture stop |
| 4 Electronic analog exposure display | 11 Auto Exposure Bracketing |
| 5 Exposure mode | 12 Frame counter |
| 6 Flexible program | 13 Exposure compensation value |
| 7 Battery power | 14 Exposure compensation |

Rear LCD Panel Shooting Data Indications (Normal*)



- | | |
|--|---|
| 1 ISO | 9 Auto Exposure Bracketing status |
| 2 EV steps in Auto Exposure Bracketing | 10 Multiple exposures |
| 3 Auto Exposure Bracketing | 11 Number of shots in multiple exposure |
| 4 Flash sync mode | 12 Data imprint |
| 5 Custom Setting | 13 Lens number |
| 6 Focus area | 14 AF servo mode |
| 7 Film speed | |
| 8 DX | |

*In addition to Normal display, Detailed and Large displays are available.



Film rewind

You can choose automatic or manual film rewind. Automatic film rewind at the end of film roll is also possible. It takes approximately 9 seconds to rewind a 36-exposure film roll. (Approx. 4 seconds with the MB-40 attached.)



Function button

Customize the Function Button to perform the task you want — including FV Lock, AE-L/AF-L, Flash Cancel and Metering mode.



Multi-selector

Lets you select focus area when shooting; enables quick and easy scrolling and setting of the F6's extensive Menu controls.

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)

Eyepoint: 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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