



*At the heart of the image*

DIGITAL SLR CAMERA

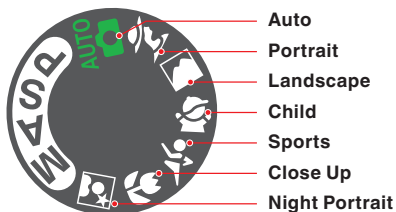
# D50



## Quality that makes every occasion special — Nikon digital SLR

• The next evolution of Nikon's scene-optimized **Digital Vari-Program** modes produces great results for the intended shot, while freeing you to concentrate on the moment. New "**Child**" mode makes it easier to take memorable pictures of the little ones with the right amount of vivid color and contrast straight from the camera.

### Digital Vari-Program modes



• **6.1 effective megapixel** Nikon DX Format CCD image sensor delivers vivid color and sharp detail with high resolution for great pictures and enlargements.

• **High-performance digital processing** employs exclusive Nikon technology to render vivid color and clear details with all the speed necessary to freely capture those precious moments as they unfold.

• **Refined 5-area autofocus system** features speed, precision, and broad frame coverage, as well as an automatic AF illuminator that maximizes performance and shooting ease in low light.

• **Continuous shooting at 2.5 frames per second** combines with shutter speeds from 30 to 1/4,000 sec. and flash sync speeds up to 1/500 sec. to provide shooting capability available only with an SLR camera.

• **3D Color Matrix Metering II** automatically compares each scene to a large onboard database of scenes from actual photography to ensure accurate exposure control in all types of lighting situations.

• **From the compact and lightweight design** that makes it easy to carry everywhere to its inviting body contours and easily accessible controls, the D50 makes picture taking satisfying and fun.

• **Large 2.0-inch LCD** provides immediate feedback when viewing images and aids smooth operation with a new easy-to-view, easy-to-understand menu design and instructive help dialogs.

• **The long-life rechargeable lithium-ion battery** lets you shoot as many as 2,000 images per charge for extended shooting freedom that doesn't add extra weight to your kit.





Menus can be displayed in a choice of 13 different languages: English, German, French, Spanish, Italian, Japanese, Dutch, Swedish, Simplified Chinese, Traditional Chinese, Korean, Russian, Portuguese

## Nikon Digital SLR Camera D50 Specifications

Type of Camera	Single-lens reflex digital camera
Effective Pixels	6.1 million
Image Sensor	RGB CCD, 23.7 x 15.6mm; total pixels: 6.24 million
Image Size (pixels)	3,008 x 2,000 [L], 2,256 x 1,496 [M], 1,504 x 1,000 [S]
Sensitivity	200 to 1600 (ISO equivalent) in steps of 1 EV
Storage Media	SD Memory Card
Storage System	Compressed NEF (RAW): 12-bit compression, JPEG: JPEG baseline-compliant
File System	Exif 2.21, Compliant DCF 2.0 and DPOF
Storage (Number of frames per 256MB SD Memory Card, image size L)	RAW approx. 33, FINE approx. 70 NORMAL approx. 137 BASIC approx. 258, RAW & BASIC approx. 29
White Balance	Auto (TTL white balance with 420-pixel RGB sensor), six manual modes, preset white balance, white balance bracketing possible
LCD Monitor	2.0-in., 130,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment
Playback Function	1 frame: Thumbnail (4 or 9 segments); Magnifying playback; Slide show; Histogram indication; Highlight point display; Auto image rotation
Delete Function	Card format, All frames delete, Selected frames delete
Video Output	Can be selected from NTSC and PAL
Interface	USB 2.0 (Hi-Speed)
Text Input	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in Exif header
Picture Angle	Equivalent in 35mm [135] format is approx. 1.5 times lens focal length
Viewfinder	Fixed eye-level penta-Dach-mirror type; built-in diopter adjustment (-1.6 to +0.5m <sup>-1</sup> )
Eyepoint	18mm (-1.0m <sup>-1</sup> )
Focusing Screen	Type-B BriteView Clear Matte screen Mark V with superimposed focus bracket
Viewfinder Frame Coverage	Approx. 95%
Viewfinder Magnification	Approx. 0.75x with 50mm lens at infinity; -1.0m <sup>-1</sup>
Viewfinder Information	Focus indications, AE/FV lock indicator, Shutter speed, Aperture value, Exposure/Exposure compensation indicator, Flash output level compensation, Exposure compensation, Number of remaining exposures, Flash-ready indicator
Autofocus	TTL phase detection by Nikon Multi-CAM900 autofocus module with AF-assist illuminator (approx. 0.5m to 3.0m) Detection range: EV -1 to +19 (ISO 100 equivalent, at normal temperature: 20°C)
Lens Servo	1) Autofocus (AF-A): Auto-Servo AF; camera automatically chooses single-servo AF (AF-S) or continuous-servo AF (AF-C); predictive focus tracking automatically activated according to subject status 2) AF-S 3) AF-C 4) Manual focus (M)
Focus Area	Can be selected from 5 focus areas
AF Area Mode	1) Single Area AF, 2) Dynamic Area AF, 3) Closest Subject Priority
Focus Lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
Exposure Metering System	TTL full-aperture exposure metering system (1) 3D Color Matrix Metering II with 420-pixel RGB sensor (2) Center-weighted: Weight of 75% (8mm dia. circle) (3) Spot: Meters 3.5mm dia. circle (about 2.5% of frame) centered on active focus area

## Nikkor Lenses & Speedlights

Support for Nikon's Total Imaging System includes compatibility with a wide variety of high-quality Nikkor lenses and the Speedlights SB-800 or SB-600 of Nikon's Creative Lighting System.



New AF-S DX Zoom-Nikkor  
18-55mm f/3.5-5.6G ED

New AF-S DX Zoom-Nikkor  
55-200mm f/4-5.6G ED

Speedlight  
SB-600

Exposure Metering Range	1) EV 0 to 20 (3D Color Matrix or center-weighted metering) 2) EV 2 to 20 (spot metering) (ISO 100 equivalent, f/1.4 lens, 20°C)
Exposure Mode	Digital Vari-Program (P Auto, S Portrait, L Landscape, C Child, Sports, Close up, Night portrait), Programmed Auto [P] with flexible program; Shutter-Priority Auto [S]; Aperture Priority Auto [A]; Manual [M]
Exposure Compensation	±5 EV in increments of 1/3 or 1/2 EV
Auto Exposure Lock	Luminosity locked at detected value with AE-L/AF-L button
Auto Exposure Bracketing	Three frames ±2 EV in 1/3 or 1/2 steps
Shooting Modes	1) Single frame shooting mode 2) Continuous shooting mode: approx. 2.5 frames per second 3) Self-timer mode 4) Delayed remote mode: 2 sec. delay 5) Quick-response remote mode
Shutter	Combined mechanical and CCD electronic shutter, 30 to 1/4000 sec. in steps of 1/3 or 1/2 EV, bulb
Sync Contact	X-contact only; flash synchronization at up to 1/500 sec.
Flash Control	1) TTL: TTL flash control by 420-pixel RGB sensor Built-in Speedlight: i-TTL Balanced Fill-Flash or standard i-TTL flash (spot metering) SB-800 or 600: i-TTL Balanced Fill-Flash or standard i-TTL flash (spot metering) 2) Auto aperture: Available with SB-800 with CPU lens 3) Non-TTL Auto: Available with Speedlights such as SB-800, 80DX, 28DX, 28, 27, and 22s 4) Distance-priority manual available with SB-800
Flash Sync Mode	1) Front-curtain Sync (normal sync), 2) Red-eye Reduction, 3) Red-eye Reduction with Slow Sync, 4) Slow Sync, 5) Rear-curtain Sync
Built-in Speedlight	Auto flash with auto pop-up [P], [S], [A], [M]: manual pop-up with button release Guide number (ISO 200/ISO 100, m): approx. 15/11 (manual full 17/12)
Flash Compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Accessory Shoe	Standard ISO hot-shoe contact with safety lock provided
Self-timer	Electronically controlled timer with 2 to 20 seconds duration
Remote Control	Wireless Remote Control ML-L3 (optional)
Power Source	One Rechargeable Li-ion Battery EN-EL3, AC Adapter EH-5 (optional)
Tripod Socket	1/4 in. (ISO1222)
Dimensions (W x H x D)	Approx. 133 x 102 x 76mm
Weight	Approx. 540g without battery, memory card or body cap
Supplied Accessories*	Rechargeable Li-ion Battery EN-EL3, Quick Charger MH-18a, Video Cable, USB Cable UC-E4, Strap, Body cap, Eyepiece Cap DK-5, Rubber Eyecup DK-20, Accessory shoe cover, PictureProject CD-ROM
Optional Accessories	Rechargeable Li-ion Battery EN-EL3, Multi Charger MH-19, Quick Charger MH-18a, AC Adapter EH-5, Speedlight SB-800/600, Eyepiece Magnifier DG-2, Angle Finder DR-6, Nikon Capture 4 (Ver. 4.3) Software, Wireless Remote Control ML-L3, Semi-Soft Case CF-D50

\*Supplied accessories may differ in each country or area.

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**WARNING**

**TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.**



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