

Nikon

D100

DIGITAL SLR CAMERA



Digital Performance Redefined

6-megapixel high-definition images

The camera features **6.1 million effective pixels** which produce ultrahigh-definition **3,008 x 2,000-pixel images**. Quality in fact that rivals film printing itself. In addition, the D100's new **one-chip system LSI** provides super-fast image processing in a compact and lightweight body capable of handling this rich, high-resolution data, while keeping power consumption to a minimum.

Quality digital images — automatically

The Nikon D100 makes your introduction to Nikon digital SLR imaging quality easier than ever. The secret is Nikon's **3D Digital Matrix Image Control** that features a refined image-processing algorithm to ensure astonishingly **faithful colour reproduction** with exceptionally **smooth gradations**. The three components of this highly effective image-control function are **3D Matrix Metering** for precise exposure control, **TTL White Balance** for precise colour temperature determination, and **Tone Compensation** for optimal contrast whatever the lighting situation. Moreover, the camera's built-in Speedlight features **D-TTL Flash** operation to provide advanced flash control. The D100 handles it all automatically.

High-performance Nikon SLR features

Those acquainted with Nikon SLRs will find the Nikon D100 controls and operation intuitive. The D100 features the same control system and advanced features of field-proven Nikon SLRs — including the acclaimed **Five-Area Autofocus system**, **10-segment Matrix Metering sensor** and **TTL Multi-Sensor**. And as you'd expect, the camera accepts the full range of **AF Nikkor lenses**, as well as a variety of **Speedlights** including the latest **SB-80DX**. You'll enjoy the same high level of performance and capability that you'd expect from a Nikon SLR. It's the best of Nikon SLR advances made digital.

Digital photography that completes your vision

You can fully explore the advantages of digital SLR photography with the Nikon D100 and exclusive Nikon software. **Nikon View 5** software (supplied) enables easy transfer and viewing of images — including those taken in Nikon 'NEF' RAW file format — on your computer. The new optional **Nikon Capture 3** software features versatile image manipulation tools that allow you to fine-tune images. It even lets you control the camera remotely from your computer. With the D100 and this software at your command, you can truly take what is in your mind's eye and make it real, digitally.

More features

- Compact and lightweight (weighs approx. 700g)
- 6.1 effective megapixels for 3,008 x 2,000-pixel images
- 3D Digital Matrix Image Control for precise exposure control, adaptive auto white balance, and optimal colour accuracy
- High-performance built-in Speedlight with D-TTL flash control — offers results equal to Nikon's field-proven 3D Multi-Sensor Balanced Fill-Flash
- Three colour modes offered for different workflow environments
- Five-Area Autofocus with Dynamic AF operation
- High-speed image processing provided by new one-chip system LSI
- Top shutter speed of 1/4,000 sec. and flash sync speed up to 1/180 sec.
- Plug-and-play USB 1.1 interface for quick computer connection
- On-Demand Grid Lines can be displayed in viewfinder
- Custom Settings can be selected in the LCD monitor
- Compatible with CompactFlash™ cards Type I and Type II including 512MB/1GB IBM MicroDrive™
- Nikon View 5 software (supplied) enables easy transfer and viewing of images on your computer
- Optional Multi Function Battery Pack MB-D100 accepts six 1.5V LR6 (AA-size alkaline) batteries, or one or two Li-ion batteries for extended shooting capability. Features voice memo recording/playback function, vertical shutter release button, Main and Sub Command Dials, AF start button and a 10-pin remote terminal.

Nikon D100 Specifications

Type of Camera Lens-interchangeable digital SLR camera Nikon D100

Effective Pixels 6.1 million

CCD 23.7 x 15.6mm RGB CCD; 6.31 million total pixels

Image Size L (3,008 x 2,000); M (2,240 x 1,488); S (1,504 x 1,000)

Sensitivity ISO equivalency 200–1600 in 1/3 steps (can be boosted to higher ISO equivalency)

Storage System: Exif 2.2 file (uncompressed TIFF or compressed JPEG); uncompressed RAW (12-bit) or compressed RAW (12-bit lossless compression)

Media: CompactFlash™ (CF) Card (Type I/II) and 512MB/1GB IBM Microdrive™

Number of frames per 96MB CF card (Image size: L)

RAW	TIFF	FINE	NORMAL	BASIC
approx. 9	approx. 5	approx. 28	approx. 55	approx. 106

Shooting Modes 1) Single frame shooting (S) mode; 2) Continuous shooting (C) mode: approx. 3 frames per sec. (up to 6 consecutive shots with JPEG or TIFF format, 4 shots with RAW format); 3) Self-timer mode: time duration can be set

White Balance 1) Auto (TTL control using image sensor), 2) Manual (6 settings with fine tuning), 3) Preset

White Balance Bracketing Captures images at three different white balance settings

Colour Modes 3 modes available

Colour Adjustment +3 to -3 step for each colour setting

LCD Monitor 1.8-in., 120,000-dot, low-temp. polysilicon TFT LCD with LED backlighting

Playback Function 1 frame; Thumbnail (4 or 9 segments); Magnifying playback; Slide show; Histogram indication; Highlight point display

Delete Function Card format, All frames delete, Selected frames delete

Video Output NTSC or PAL (switchable)

Interface USB 1.1

Viewfinder Optical-type fixed-eyelevel pentaprism; built-in dioptre adjustment (-2 to +1 m⁻¹);

Eyepoint 24mm (at -1.0 m⁻¹)

Focusing Screen B-type Bright View Clear Matte screen II

Viewfinder Frame Coverage Approx. 95%

Viewfinder Magnification Approx. 0.8x with 50mm lens set to infinity and -1.0 m⁻¹

Viewfinder Information Focus indications, Metering system, AE lock, Shutter speed, Aperture value, Exposure/Exposure compensation indicator, Exposure mode, Flash output level compensation, Exposure compensation, Number of exposures remaining

On-Screen Information Focus brackets, Grid lines, Reference circle for centre-weighted metering area

Autofocus TTL phase detection, Nikon Multi-CAM900 autofocus module with AF-assist illuminator (approx. 0.5m to 3m); Detection range: EV -1 to EV 19 (ISO 100 equivalent, at normal temperature: 20°C)

Lens Servo 1) Single Servo AF (S), 2) Continuous Servo AF (C), 3) Manual focus (M)

Focus Area One of five focus areas can be selected

AF Area Mode 1) Single Area AF, 2) Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)

Focus Lock Focus is locked by pressing AE-L/AF-L button or lightly pressing shutter release button in Single Servo AF (S)

Compatible Lenses AF Nikkor, D-type Manual-Focus Nikkor, AI-P Nikkor; Non-CPU is usable in [M] mode (camera's built-in exposure meter does not work); IX-Nikkors cannot be used.

Picture Angle Approx. 1.5x focal length in 35mm [135] format equivalent

Exposure Metering TTL full-aperture exposure metering system; 1) 3D Matrix Metering with 10-segment SPD, 2) Centre-Weighted Metering (approx. 60% of meter's sensitivity concentrated on the 8mm-dia. circle), 3) Spot Metering (3mm-dia. circle, approx. 2% of entire frame)

Exposure Metering Range 1) Matrix Metering: EV 0-21, 2) Centre-Weighted Metering: EV 0-21, 3) Spot Metering: EV 3-21 (at normal temperature, ISO 100 equivalent, f/1.4 lens)

Exposure Modes 1) [P] Auto-Multi Program (Flexible Program possible), 2) [S] Shutter-Priority Auto, 3) [A] Aperture-Priority Auto, 4) [M] Manual

Exposure Compensation Shutter speed/aperture adjustable in 1/3 or 1/2 EV steps; ISO Automatic Control Mode (Custom setting) is available in any exposure mode (P, S, A, M)

Auto Exposure Lock Exposure can be compensated in ±5 EV range in 1/3 or 1/2 EV steps

Auto Exposure Bracketing Detected exposure value locked by pressing AE-L/AF-L button

Shutter Speeds Two or three shots, ± 2 EV in 1/3 or 1/2 steps

Shutter Contact 30 to 1/4,000 sec. and Bulb

Flash Control X-contact only; flash synchronisation up to 1/180 sec.

Flash Sync Mode 1) D-TTL Flash (Automatic Balanced Fill-Flash controlled by five-segment TTL Multi Sensor) with built-in Speedlight and external Speedlight such as SB-80DX/28DX/50DX, three modes available, Sensitivity range: ISO 200 – 1600 equivalent

Built-in Speedlight 2) Non-TTL Auto Flash with an external Speedlight

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 Manual pop-up type; Guide number (ISO 200/ISO 100, m): 17/12 (D-TTL auto) or 18/12.7 (manual full output); Flash coverage: 20mm or longer lens; Recycling time: approx. 3 sec.; Sensitivity range: ISO 200 – 1600 equivalent

Ready-light Red LED indicator inside the viewfinder

Accessory Shoe Standard ISO-type hot-shoe contact; safety lock provided

Sync Terminal Available in optional sync terminal adaptor AS-15

Self-timer Electronically controlled; timer duration: 2, 5, 10 (default), 20 sec.

Depth-of-field Preview Button Stop-down lens aperture by pressing depth-of-field preview button (Electronically controlled type)

Voice Memo Available in optional Multi-Function Battery Pack MB-D100

Letter Input Multi selector enables inputting of alphanumeric characters (max. 36)

Release Terminal Available on the shutter release button

Remote Control 10-pin remote terminal available in optional Multi-Function Battery Pack MB-D100

Battery Life Approx. 1,600 shots can be taken with a fully charged EN-EL3

* As measured with an AF-S 24-85mm f/3.5-4.5G lens at room temperature (20°C) under standard Nikon test conditions: M image size, BASIC image quality, continuous shooting mode, continuous-servo autofocus, shutter speed 1 / 250 sec.; shutter-release pressed halfway for three seconds and focus cycled from infinity to minimum range three times with each shot; after six shots, monitor turned on for five seconds and then turned off; cycle repeated once exposure meters have turned off.

Power Requirements Rechargeable Li-ion Battery EN-EL3 (7.4V DC), AC Adaptor EH-5 (100-240V AC), Multi-Function Battery Pack MB-D100 [six 1.5V LR6 (AA-size alkaline) or AA-size lithium batteries or one or two Rechargeable Li-ion Battery EN-EL3]

Tripod Socket 1/4 (ISO1222)

Custom Settings Can be selected on LCD monitor, 26 settings (28 settings with the MB-D100 attached)

Dimensions (W x H x D) Approx. 144 x 116 x 80.5mm

Weight (without battery) Approx. 700g


Supplied Accessories* Strap, Body cap, Eyepiece cap, LCD monitor cover, Video cable, USB cable, Rechargeable Li-ion battery EN-EL3, Quick Charger MH-18, Nikon View 5 CD-ROM

Optional Accessories Multi-Function Battery Pack MB-D100, Li-ion Battery Pack EN-EL3, Multi Charger MH-19, AC Adaptor EH-5, CompactFlash™ Cards, Speedlight SB-80DX/SB-50DX, *Nikon Capture 3™ Software

* 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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Exif Print

*Exif Print™ is the industrial term for Exif 2.2, which is a newly established standard for Digital Still Camera Image File Format.