

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

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| <p>Type of Camera Lens-interchangeable digital SLR camera Nikon D100</p> <p>Effective Pixels 6.1 million</p> <p>CCD 23.7 x 15.6mm RGB CCD; 6.31 million total pixels</p> <p>Image Size L (3,008 x 2,000); M (2,240 x 1,488), S (1,504 x 1,000)</p> <p>Sensitivity ISO equivalency 200 – 1600 (can be boosted to higher ISO equivalency)</p> <p>Storage System EXIF file (uncompressed TIFF or compressed JPEG); uncompressed RAW (12-bit), Media: CompactFlash™ (CF) Card (Type I/II) and 512MB/1GB IBM Microdrive™</p> <p>Shooting Modes 1) Single frame shooting (S) mode, 2) Continuous shooting (C) mode, 3) Self-timer mode: time duration can be set</p> <p>White Balance 1) Auto (TTL control using image sensor), 2) Manual (6 settings with fine tuning), 3) Preset</p> <p>Colour Setting 3 modes available</p> <p>Colour Adjustment +3 to -3 step for each colour setting</p> <p>LCD Monitor 1.8-in., 118,000-dot, low-temp. polysilicon TFT LCD with LED backlighting</p> <p>Playback Function 1 frame; Thumbnail (4/9 segments); Magnifying playback; Slide show; Histogram indication; Highlight point display</p> <p>Delete Function Card Format, All frames delete, Selected frames delete</p> <p>Video Output Interface NTSC or PAL (switchable)</p> <p>USB 1.1</p> <p>Viewfinder Optical-type fixed-eye level pentaprism; built-in dioptre adjustment (-2 to +1 m⁻¹)</p> <p>Eyepoint 20mm (at -1.0 m⁻¹)</p> <p>Focusing Screen B-type Bright View Clear Matte screen II</p> <p>Viewfinder Frame Coverage Approx. 95%</p> <p>Viewfinder Magnification Approx. 0.8x with 50mm lens set to infinity and -1.0 m⁻¹</p> <p>Viewfinder Information Focus indications, Shutter speed, Aperture value, Exposure indicator, Exposure compensation, Flash output level compensation, Frame count, etc.</p> <p>On-Screen Information Focus frame, Grid lines, Centre-weighted metering area</p> <p>Autofocus TTL phase detection, Nikon Multi-CAM900 autofocus module; Detection range: EV -1 to EV 19 (ISO 100 equivalent, at normal temperature: 20°C)</p> <p>Lens Servo 1) Single Servo AF (S), 2) Continuous Servo AF (C), 3) Manual focus (M)</p> <p>Focus Area One of five focus areas can be selected</p> <p>AF Area Mode 1) Single Area AF 2) Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)</p> <p>Focus Lock Focus is locked by pressing AE-L/AF-L button or lightly pressing shutter release button in (S) AF</p> <p>Compatible Lenses 1) D-type/G-type AF Nikkor: All functions possible, 2) D-type Manual-Focus Nikkor: All functions except autofocus possible, 3) AF Nikkor other than D-type/G-type: All functions possible except 3D Matrix Metering, 4) AI-P Nikkor: All functions except 3D Matrix Metering and autofocus possible, 5) Non-CPU: Usable in [M] mode (camera's built-in exposure meter does not work) Electronic Rangefinder usable with lens with maximum aperture of f/5.6 or faster IX-Nikkors cannot be used.</p> | <p>Picture Angle Approx. 1.5x focal length in 35mm [135] format equivalent</p> <p>Exposure Metering TTL full-aperture exposure metering system; 1) 3D Matrix Metering with 10-segment SPD, 2) Centre-Weighted, 3) Spot Metering</p> <p>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)</p> <p>Exposure Mode 1) [P] Auto-Multi Program (Flexible Program possible), 2) [S] Shutter-Priority Auto 3) [A] Aperture-Priority Auto, 4) [M] Manual; shutter speed/aperture adjustable in 1/2 or 1/3 EV steps ISO Automatic Control Mode (Custom setting) is available in any exposure mode (P, S, A, M)</p> <p>Exposure Compensation Exposure compensated in ±5 EV range in 1/2 or 1/3 EV steps</p> <p>Auto Exposure Lock Detected exposure value locked by pressing AE-L/AF-L button</p> <p>Auto Exposure Bracketing Number of shots: two or three, Compensation steps: 1/3, 1/2, 2/3 or 1 step</p> <p>Shutter Speeds 30 to 1/4,000 sec. and Bulb</p> <p>Sync Contact X-contact only, flash synchronisation up to 1/180 sec.</p> <p>Flash Control 1) D-TTL Auto Flash (Automatic Balanced Fill-Flash controlled by five-segment TTL Multi Sensor) with a built-in Speedlight or an external Nikon Speedlight such as SB-80DX, 28DX, 50DX: three modes available 2) Non-TTL Auto Flash with an external Speedlight</p> <p>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</p> <p>Built-in Speedlight Manual pop-up type, GN: 11 (ISO 100, m) Sensitivity range: ISO 200 – 800 equivalent Sync flash system with external Speedlight: Not available</p> <p>Ready-light Red LED indicator inside the viewfinder</p> <p>Accessory Shoe Standard ISO-type hot-shoe contact; safety lock provided</p> <p>Sync Terminal Available in optional hot shoe adaptor AS-15</p> <p>Self-timer Electronically controlled; timer duration: 2, 5, 10 (default), 20 sec.</p> <p>Depth-of-field Preview Button Stop-down lens aperture by pressing depth-of-field preview button (Electronically controlled type)</p> <p>Voice Memo Available in optional Multi Function Battery Pack</p> <p>Letter Input Multi selector enables inputting of alphanumeric characters (max. 36)</p> <p>Remote Control 10-pin remote terminal available in optional Multi Function Battery Pack</p> <p>Power Requirements Li-ion Battery Pack EN-EL3 (7.2V DC), AC Adaptor EH-5 (100-240V AC)</p> <p>Tripod Socket 1/4 in. (ISO1222)</p> <p>Custom Settings Can be selected on LCD</p> <p>Dimensions (W x H x D) Approx. 144 x 116 x 80.5mm</p> <p>Weight (without battery) Approx. 700g</p> <p>Optional Accessories Multi Function Battery Pack MB-D100, Li-ion Battery Pack EN-EL3, Charger, MH-18/19, AC Adaptor EH-5, CompactFlash™ Cards, Speedlight SB-80DX/SB-28DX/SB-50DX, "Nikon Capture3" Control Software *Standard accessories may differ in each country or area.</p> |
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FUJI BLDG., 2-3, MARUNOUCHI 3-CHOME, CHIYODA-KU, TOKYO 100-8331, JAPAN

www.nikon-image.com/eng/

Printed in Japan Code No. 6CE41200 (0202-39.92)K