

Nikon digital means unbeatable system versatility.

■ Lens System

With the D100, you can shoot with any one of the more than 40 AF Nikkor lenses available.



■ Exclusive Nikon Software System

Nikon View 5 and Nikon Capture 3 software make post-production workflow smoother and provide many ways to perfect your images once you've clicked the shutter.



■ Speedlight System

Nikon's advanced Speedlight system defines intelligent flash performance.



■ Remote Control System

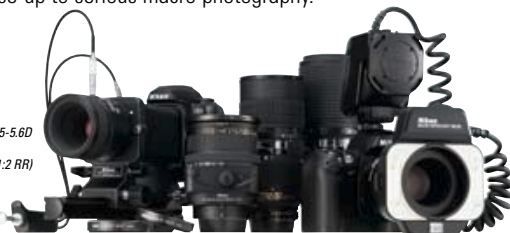
Nikon's remote shooting tools include the Cable Release AR-3, which offers one-hand shutter release. With the optional Multi-Function Battery Pack MB-D100, you can use an array of Nikon 10-pin remote connected accessories



■ Close-up System

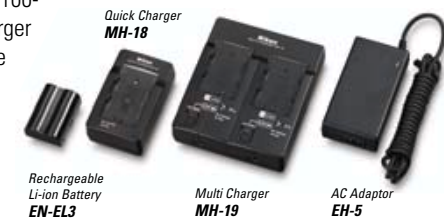
Nikon offers a close-up system for every photographic need, from general close-up to serious macro photography.

AF Zoom-Nikkor 24-85mm f/2.8-4D IF, 28-105mm f/3.5-4.5D IF (up to 1:2 RR)
AF Micro Nikkors 60mm f/2.8D, 105mm f/2.8D, 200mm f/4D IF-ED (up to 1:1 RR)
AF Zoom-Micro Nikkor 70-180mm f/4.5-5.6D ED (up to 1:1.3 RR)
PC Micro-Nikkor 85mm f/2.8D (up to 1:2 RR)
Bellows focusing attachment system (up to 1:1 RR)
TTL Macro Speedlight SB-29s
Close-up attachment lenses



■ Power Sources

When the Li-ion Battery Pack EN-EL3 is fully charged, you can take up to 1,600 images with the D100. To recharge the battery pack, Nikon offers Quick Charger MH-18 (100-240V AC) or Multi Charger MH-19 (12V DC; can be plugged into an automobile cigarette lighter). AC Adaptor EH-5 (100-240V AC) is also available.



■ Multi-Function Battery Pack MB-D100

Attaching the optional Multi-Function Battery Pack is an easy way to add shooting capability to your D100. It provides an alternative shutter release button, Main and Sub Command Dials, and an AE-L/AF-L/Focus area select button — all of which make it easier to shoot vertical-format pictures. The MB-D100 also features a voice recording/playback function and a 10-pin remote accessory terminal.



■ LCD Monitor Cover BM-2 (supplied)



■ Semi Soft Case CF-D100



Lens Compatibility Chart (IX-Nikkor lenses cannot be used)

| Lens | Focusing | | Exposure mode | | | | Exposure metering mode | | |
|--|----------------|------------------------|---------------|--------|----------------|----------------|------------------------|-----------------|----------------|
| | AF | Electronic Rangefinder | P mode | S mode | A mode | M mode | Matrix | Centre-Weighted | Spot |
| AF-S & D-/G-type AF Nikkors ⁵ | ✓ | ✓ | ✓ | ✓ | ✓ ² | ✓ ² | ✓ ³ | ✓ | ✓ ⁴ |
| AF-S & AF-I Teleconverters ⁵ | ✓ ¹ | ✓ | ✓ | ✓ | ✓ ² | ✓ ² | ✓ ³ | ✓ | ✓ ⁴ |
| Non-D-type AF Nikkors | ✓ | ✓ | ✓ | ✓ | ✓ ² | ✓ ² | ✓ | ✓ | ✓ ⁴ |
| AI-P-type Nikkors | — | ✓ | ✓ | ✓ | ✓ ² | ✓ ² | ✓ | ✓ | ✓ ⁴ |
| AI-type Nikkors | — | ✓ | — | — | — | ✓ ¹ | — | — | — |
| Reflex-Nikkors | — | — | — | — | — | ✓ ¹ | — | — | — |
| PC-Nikkor | — | ✓ ⁵ | — | — | — | ✓ ¹ | — | — | — |
| D-type PC-Nikkor ⁶ | — | ✓ ¹⁰ | — | — | — | ✓ | ✓ | ✓ | ✓ |
| AI-type Teleconverters | — | ✓ | — | — | — | — | — | — | — |

Usable lenses with built-in Speedlight

20mm to 300mm CPU lenses
Vignetting occurs at the edges of the frame resulting in underexposure with the following zoom lenses, which have limitations in usable focal length or shooting distance. AF-S 17-35mm f/2.8D IF-ED: 24mm focal length at 0.8m or longer shooting distance. AF 20-35mm f/2.8D: 20mm focal length at 1.0m or longer shooting distance. AF-S 28-70mm f/2.8D IF-ED: 28mm focal length at 2.0m or longer shooting distance, 35mm at 0.7m or longer.

✓ Compatible — Incompatible

- With maximum effective aperture of f/5.6 or faster.
- Aperture is selected via Sub-Command Dial.
- 3D Matrix Metering is selected.
- Metering area corresponds to the selected focus area.
- G-type Nikkor has no aperture ring. Aperture should be selected from camera body.
- Compatible with AF-S and AF-I Nikkor lenses except AF-S 17-35mm f/2.8D IF-ED, AF-S 24-85mm f/3.5-4.5G IF-ED and AF-S 28-70mm f/2.8D IF-ED.
- Camera's built-in exposure meter does not work.
- Without shift.
- The camera's exposure metering and flash control system do not work properly when shifting and/or tilting the lens, or when using an aperture other than the maximum aperture.
- Without shifting and/or tilting the lens.

Note: Picture angle approx. 1.5x lens focal length

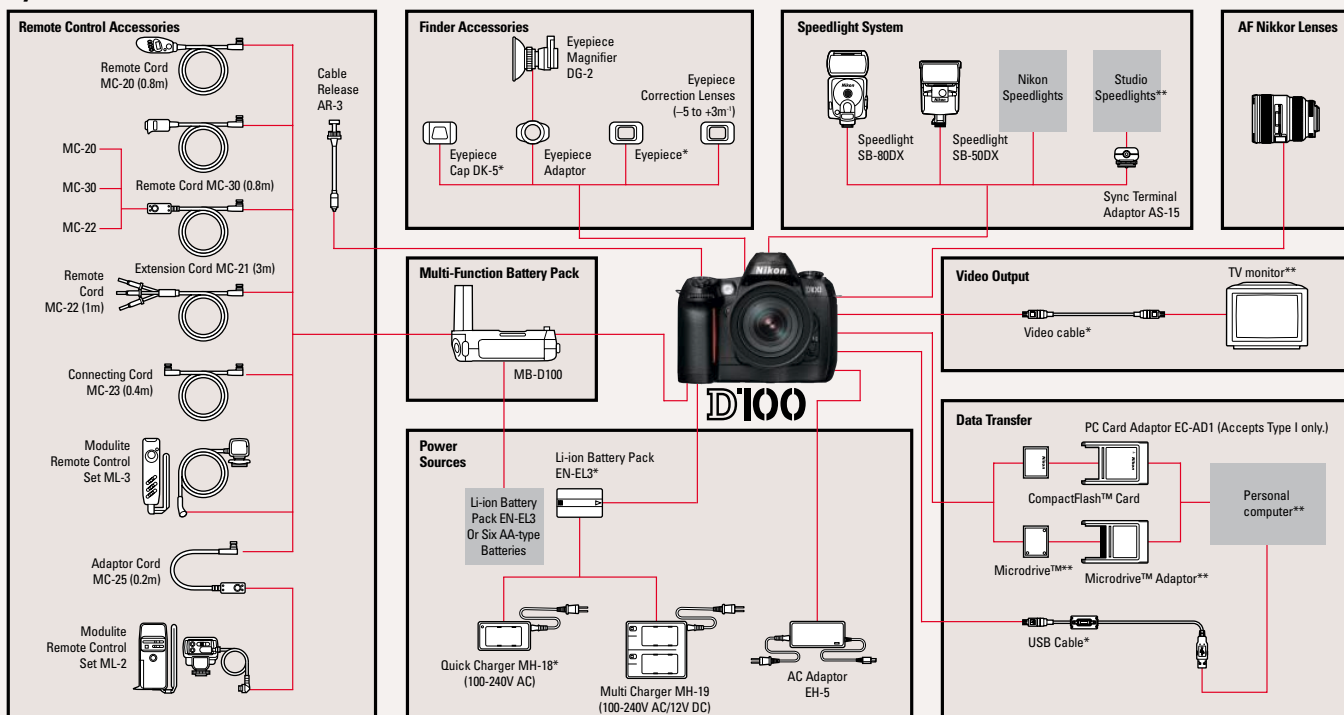
Lens' angle of view does not change; lens' perspective and reproduction ratio at a given distance and aperture is identical to when the lens is used on a 35mm SLR; the difference in viewing is a result of the smaller dimensions of the CCD compared to that of 35mm film. In effect, the image is cropped according to the CCD format.

Nomenclature



- | | | | | |
|---|---|---|---|--|
| <ul style="list-style-type: none"> 1 Flash sync mode button 2 LCD panel 3 Self-timer/AF-Assist Illuminator/Red-Eye Reduction lamp 4 Accessory shoe 5 Speedlight lock release 6 Function dial (exposure mode/ISO/white balance/image quality/AF area mode) 7 Shooting mode dial 8 Shooting mode dial lock release 9 Lens release button 10 Illuminator/Format button | <ul style="list-style-type: none"> 11 Exposure compensation button 12 Release socket 13 Sub-Command Dial 14 Shutter release button 15 Power switch 16 Depth-of-field preview button 17 Focus mode selector 18 Bracketing button 19 Flash output level compensation/Format button 20 Viewfinder 21 Dioptre adjustment lever | <ul style="list-style-type: none"> 22 AE-L/AF-L button 23 Main-Command Dial 24 Multi selector 25 Memory card cover 26 Focus area lock switch 27 Memory card access lamp 28 Monitor button 29 Menu button 30 Thumbnail button 31 Protect button 32 Enter button 33 Tripod socket | <ul style="list-style-type: none"> 34 LCD monitor 35 Delete button 36 Battery chamber cover lock release 37 DC-in connector 38 Video-out connector 39 USB connector 40 Flexible program 41 Exposure compensation 42 Flash output level compensation 43 Shutter speed/Sensitivity/Compensation value/Bracketing frames 44 Clock | <ul style="list-style-type: none"> 45 Aperture value/Bracketing step 46 Custom 47 Over 1,000 frames 48 Number of exposures remaining 49 Battery indicator 50 Image size 51 Image quality 52 Flash sync mode 53 White balance mode 54 Focus area 55 Bracketing 56 Bracketing analogue display |
|---|---|---|---|--|

System Chart



* Supplied accessories ** Non-Nikon products

Nikon Digital SLR Camera 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) | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>RAW</th> <th>TIFF</th> <th>FINE</th> <th>NORMAL</th> <th>BASIC</th> </tr> </thead> <tbody> <tr> <td>approx. 9</td> <td>approx. 5</td> <td>approx. 28</td> <td>approx. 55</td> <td>approx. 106</td> </tr> </tbody> </table> | RAW | TIFF | FINE | NORMAL | BASIC | approx. 9 | approx. 5 | approx. 28 | approx. 55 | approx. 106 |
| 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); 24mm (at -1.0 m ⁻¹) | | | | | | | | | | |
| Eye point | 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 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) | | | | | | | | | | |
| Exposure Compensation | Exposure can be compensated in ±5 EV range in 1/3 or 1/2 EV steps | | | | | | | | | | |
| Auto Exposure Lock | Detected exposure value locked by pressing AE-L/AF-L button | | | | | | | | | | |

| | |
|--------------------------------------|--|
| Auto Exposure Bracketing | Two or three shots, ± 2 EV in 1/3 or 1/2 steps |
| Shutter Speeds | 30 to 1/4,000 sec. and Bulb |
| Sync Contact | X-contact only; flash synchronisation up to 1/180 sec. |
| Flash Control | 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 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); |

| | |
|--------------------------------|--|
| R: MENU Reset | 14: Assign AE-L/AF-L Button |
| 0: Bank Selection | 15: AE Lock Button |
| 1: Image Review | 16: Illumination |
| 2: No CF Card? | 17: Focus Area Select |
| 3: ISO Auto | 18: Focus Area Illumination |
| 4: Long Exposure NR | 19: Grid Display |
| 5: File Number Sequence | 20: Dynamic AF in Single-Servo |
| 6: Monitor Off Delay | 21: Dynamic AF in Continuous-Servo |
| 7: Auto Meter-Off Delay | 22: AF Assist Illuminator |
| 8: Self-Timer | 23: Flash Mode |
| 9: EV Step | 24: Anti-mirror-shock Mode |
| 10: Easy Exposure Compensation | 25: Battery Pack AF-ON Button (with MB-D100) |
| 11: Bracketing Set | 26: Playback Volume (with MB-D100) |
| 12: Bracketing Order | |
| 13: Assign Command Dial | |

| | |
|---------------------------------|--|
| 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. |

Nikon View 5 System Requirements

| | Windows | Macintosh |
|------------|---|---|
| OS | Pre-installed versions of Windows® XP (Home & Professional), Windows® 2000 Professional, Windows® Me, Windows® 98 Second Edition (SE) | Mac® OS 9.0 - 9.2 (only built-in USB ports are supported), Mac® OS X 10.1.3 or later |
| CPU | MMX® Pentium® 300MHz or higher performance CPU | iMac™, iBook™, Power Macintosh® G3 (Blue/White), Power Mac™ G4 or later, PowerBook® G3 (only built-in USB ports supported) or later |

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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.