



At the heart of the *image*™

D40™

INCREDIBLE PICTURES... EVEN EASIER! NIKON'S SMALLEST DIGITAL SLR EVER



Includes 3x 18-55mm
f/3.5-5.6G ED II AF-S
DX Zoom-Nikkor lens

Features/Highlights

- Extraordinary Nikon image quality
- Easy operation with intuitive controls
- Nikon's smallest digital SLR ever!
- High-performance 6.1-megapixel Nikon DX format CCD imaging sensor
- Complete with 3x 18-55mm f/3.5-5.6G ED II AF-S DX Zoom-Nikkor lens
- Fast startup with instant shutter response
- Shoot at up to 2.5 frames per second
- 2.5-inch color LCD monitor with 3 colorful display options
- Built-in Speedlight with i-TTL automatic flash control
- Bright, accurate SLR viewfinder
- Automatic exposure with 8 Digital-Vari Program modes
- In-Camera Image Editing
- New Nikon high-resolution Image Processing Engine
- New advanced HELP menu system with Assist Images
- Nikon 3D Color Matrix Metering II
- Fast, accurate 3-Area autofocus
- Image Optimization options
- Up to 470 images* per battery charge

*Based on CIPA battery testing standards

For more information visit nikondigital.com

Nikon Digital SLR Camera D40 Specifications

Type of Camera	Single-lens reflex digital camera
Effective Pixels	6.1 million
Image Sensor	RGB CCD, 23.7 x 15.6 mm; 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]
ISO Sensitivity	200 to 1600 in steps of 1 EV with additional setting one step over 1600
Storage Media	SD memory card, SDHC compliant
Storage System	Compressed NEF (RAW): 12-bit compression, JPEG: JPEG baseline-compliant
File System	Exif 2.21, Compliant DCF 2.0 and DPOF
White Balance	Auto (TTL white-balance with 420-pixel RGB sensor), six manual modes with fine-tuning and preset white balance
LCD Monitor	2.5-in., 230,000-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 Interface	NTSC or PAL
Text Input	USB: Mass Storage and PTP selectable
Compatible Lenses**	Up to 36 characters of alphanumeric text input available with LCD monitor and multi selector; stored in Exif header
	Nikon F mount with AF coupling and AF contacts
	Type G or D AF Nikkor
	1) AF-S, AF-I: All functions supported, 2) Other Type G or D AF Nikkor: All functions supported except autofocus, 3) PC Micro-Nikkor 85mm f/2.8D: Can only be used in mode M; all other functions supported except autofocus, 4) Other AF Nikkor*/AI-P Nikkor: All functions supported except autofocus and 3D Color Matrix Metering II, 5) Non-CPU: Can be used in mode M, but exposure meter does not function; electronic range finder can be used if maximum aperture is f/5.6 or faster
	*1. IX Nikkor lenses can not be used
	*2. Excluding lenses for F3AF
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 (-1.7 to +0.5m ⁻¹)
Eyepoint	18mm (-1.0 m ⁻¹)
Focusing Screen	Type B BriteView Clear Matte screen Mark V with superimposed focus brackets
Viewfinder Frame Coverage	Approx. 95% (vertical/horizontal)
Viewfinder Magnification	Approx. 0.8x with 50mm lens at infinity; -1.0 m ⁻¹
Viewfinder Information	Focus indications, AE/FV lock indicator, Shutter speed, Aperture value, Exposure/Exposure compensation indicator, Exposure mode, Flash output level compensation, Exposure compensation, Number of remaining exposures, Flash-ready indicator
Autofocus	TTL phase detection by Nikon Multi-CAM530 autofocus module with AF-assist (range approximately 1ft. 8in.-9ft. 10in.); Detection range: -1 to +19 EV (ISO 100 at 68°F)
Lens Servo	1) Autofocus (AF): Instant single-servo AF (AF-S); continuous servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking automatically activated according to subject status, 2) Manual focus (M)
Focus Area	Can be selected from 3 focus areas
AF Area Modes	1) Single Area AF, 2) Dynamic Area AF, 3) Dynamic Area AF with 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 (type G and D lenses); Color Matrix Metering II (other CPU lenses); metering performed by 420-segment RGB sensor
	2) Center-weighted: Weight of 75% given to 8mm circle in center of frame
	3) Spot: Meters 3.5mm circle (about 2.5% of frame) centered on active focus area
Exposure Metering Range	1) 0 to 20 EV (3D Color Matrix or center-weighted metering), 2) 2 to 20 EV (spot metering)
Exposure Modes	Digital Vari-program (Auto, Auto [Flash Off], Portrait, Landscape, 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 EV
Exposure Lock	Exposure locked at detected value with AE-L/AF-L button
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, bulb
Sync Contact	X-contact only; flash synchronization at up to 1/500th sec.

Flash Control

Flash Sync Modes

Built-in Flash

Flash Compensation

Accessory Shoe

Self-timer

Remote Control

Power Source

Tripod Socket

Dimensions (W x D x H)

Weight

Supplied Accessories*

Optional Accessories

1) TTL: TTL flash control by 420-segment RGB sensor. i-TTL balanced fill-flash for digital SLR and standard i-TTL fill-flash for digital SLR available when CPU lens is used with Built-in Flash, SB-800, SB-600, and SB-400, 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) Range-priority manual available with SB-800

Flash Sync Modes
 Auto, Auto, Auto, Auto: Auto, auto with red-eye reduction; fill-flash and red-eye reduction available with optional Speedlight
 Auto, Auto, Auto, Auto: Auto, auto slow sync, auto slow sync with red-eye reduction; slow sync and slow sync with red-eye reduction available with optional Speedlight
 Auto, Auto, Auto, Auto: Fill-flash and red-eye reduction available with optional Speedlight
 P, A: Fill flash, rear-curtain with slow sync, slow sync, slow sync with red-eye reduction, red-eye reduction
 S, M: Fill flash, rear-curtain sync, red-eye reduction
 Auto, Auto, Auto, Auto: Auto flash with auto pop-up
 P/S/A/M: Manual pop-up with button release
 Guide number (ISO 200/ISO 100, ft.): approx. 55/39 (manual full 59/42)

Built-in Flash
 P/S/A/M: Manual pop-up with button release
 Guide number (ISO 200/ISO 100, ft.): approx. 55/39 (manual full 59/42)

Flash Compensation
 -3 to +1 EV in increments of 1/3 EV

Accessory Shoe
 Standard ISO hot-shoe contact with sync, signal, and ground contacts and safety lock

Self-timer
 Electronically controlled timer with duration of 2, 5, 10 or 20 s.

Remote Control
 Via Wireless Remote Control ML-L3 (optional)

Power Source
 One Rechargeable Li-ion Battery EN-EL9; charging voltage (Quick Charger MH-23): 7.4V DC, AC Adapter EH-5 (available separately; requires optional AC Adapter Connector EP-5)

Tripod Socket
 1/4 in. (ISO 1222)

Dimensions (W x D x H)
 Approx. 5.0 x 3.7 in. x 2.5

Weight
 Approx. 1lb. 1oz. without battery, memory card or body cap

Supplied Accessories*
 Rechargeable Li-ion Battery EN-EL9, Quick Charger MH-23, USB Cable UC-E4, PictureProject, Rubber Eyecup DK-16, Camera Strap, Body Cap BF-1A, Eyepiece Cap DK-5, Accessory Shoe Cap BS-1

Optional Accessories
 Wireless Remote Control ML-L3, Capture NX, Camera Control Pro, AC Adapter Connector EP-5, AC Adapter EH-5, Video Cable EG-D100, Semi-Soft Case CF-DC1, Speedlight SB-800/600/SB-400/R1C1

*Supplied accessories may differ depending on country or area.

The following SD memory cards have been tested and approved for use in the D40:

- SanDisk 64MB, 128MB, 256MB, 512MB, 1GB, 2GB*, 4GB*^{1,2}
- Toshiba 64MB, 128MB, 256MB, 512MB, 1GB, 2GB*
- Panasonic 64MB, 128MB, 256MB, 512MB, 1GB, 2GB*, 4GB*^{1,2}
- Lexar 128MB, 256MB, 512MB, 1GB, 2GB*

- *1. If card will be used with card reader or other device, check that device supports 2GB and 4GB cards.
- *2. SDHC compliant. If card will be used with card reader or other device, check that device supports SDHC.

Memory Card Capacity and Image Quality/Size

The following table shows the approximate number of pictures that can be stored on a 512MB Panasonic Pro HIGH SPEED memory card at different image quality and size settings.

Image quality	Image size	File size* ¹	Number of available shots* ¹	Number of consecutive shots available* ^{1,2}
RAW	—	5.0MB	65	5
	L	2.9MB	137	100
FINE	M	1.6MB	235	100
	S	0.8MB	503	100
	L	1.5MB	260	100
NORMAL	M	0.8MB	444	100
	S	0.4MB	839	100
	L	0.8MB	503	100
BASIC	M	0.4MB	755	100
	S	0.2MB	1200	100
RAW+BASIC	—/L	5.8MB* ³	58	4

*1. All figures are approximate and assume average file size; actual file size and memory card capacity may vary with scene recorded and make of memory card.

*2. Maximum number of frames that can be taken before shooting stops. Actual number of photos that can be taken before buffer fills may vary with make of memory card. Additional photographs can be taken as soon as enough memory is available in buffer.

*3. Total file size of NEF (RAW) and JPEG images.

Online Video Tutorial - Digitutor
http://www.nikondigitutor.com/index_eng.html

● Macintosh®, Mac OS, and QuickTime are trademarks of Apple Computer, Inc.. ● Microsoft® and Windows® are registered trademarks of Microsoft Corporation. ● The SD logo is a trademark of the SD Card Association. ● The SDHC logo is a trademark. ● Adobe, Acrobat and Adobe Reader are registered trademarks of Adobe Systems Inc.. ● PictBridge is a trademark. ● All other products and brand names are trademarks or registered trademarks of their respective companies. ● Images on LCDs and monitors shown in this brochure are simulated.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. November 2006
 ©2006 NIKON INC.



WARNING

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



NIKON INC.

1300 Walt Whitman Road, Melville, N.Y.

11747-3064, U.S.A.

www.nikondigital.com



DSLR-D40-01