



At the heart of the image

D3



Defy Limitations — the ultimate in Nikon FX-format performance.

- Nikon's original FX-format CMOS image sensor with 36.0 (H) x 23.9 (V) mm image size; 12.1 effective megapixels
- Compatible with three image-sensor formats – FX format (36 x 24), 5:4 (30 x 24) and DX format (24 x 16)
- Sensitivity range ISO 200 to 6400 at normal setting for exceptionally high-quality images; can be set to ISO-equivalent 25,600
- Incorporates Nikon's original EXPEED digital image processing concept
- Nikon's original Scene Recognition System, utilizing the 1,005-pixel RGB sensor, greatly improves autofocus, auto exposure and auto white balance performance
- New 51-point autofocus system features 15 cross-type sensors that maximize the potential of lenses with apertures as small as f/5.6
- High-speed continuous shooting at approx. 9 frames per second [FX format (36 x 24)/5:4 (30 x 24)]/approx. 11 fps [DX format (24 x 16)] *1
- Newly employed Picture Control System enables creation of desired picture with preferred tones
- Accurate focal-plane contrast AF*2 available with built-in Liveview mode
- Wireless Transmitter WT-4*3 (optional) enables wireless connection of the camera to a PC, with thumbnail display (of up to five images), and downloading of selected images.
- Active D-Lighting optimizes tone reproduction in both shadows and highlights
- CF card double slot accepts two CF cards
- Quick response with approx. 0.12 sec. startup time and 37 ms shutter-release time lag
- Viewfinder with approx. 100% frame coverage and approx. 0.7x magnification in FX format
- High-definition (920,000 dots), 170° viewing angle, 3-inch VGA LCD monitor with tempered glass

More information available Fall 2007.

*1 With Continuous-servo AF, S or M exposure mode, shutter speed 1/250 sec. or faster; other settings are set at "Default".

*2 When Tripod mode is selected.

*3 Specifications differ depending on country or area.

EXPEED

90th
Anniversary

Nikon Digital SLR Camera D3 Specifications

Type of Camera	Single-lens reflex digital camera																
Effective Pixels	12.1 million																
Image Sensor	CMOS sensor, 36.0 x 23.9 mm; total pixels: 12.87 million; Nikon FX format																
Image Size (pixels)	<table border="1"> <thead> <tr> <th>Image area</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>FX format (36 x 24)</td> <td>4,256 x 2,832</td> <td>3,184 x 2,120</td> <td>2,128 x 1,416</td> </tr> <tr> <td>5:4 (30 x 24)</td> <td>3,552 x 2,832</td> <td>2,656 x 2,120</td> <td>1,776 x 1,416</td> </tr> <tr> <td>DX format (24 x 16)</td> <td>2,784 x 1,848</td> <td>2,080 x 1,384</td> <td>1,392 x 920</td> </tr> </tbody> </table>	Image area	L	M	S	FX format (36 x 24)	4,256 x 2,832	3,184 x 2,120	2,128 x 1,416	5:4 (30 x 24)	3,552 x 2,832	2,656 x 2,120	1,776 x 1,416	DX format (24 x 16)	2,784 x 1,848	2,080 x 1,384	1,392 x 920
Image area	L	M	S														
FX format (36 x 24)	4,256 x 2,832	3,184 x 2,120	2,128 x 1,416														
5:4 (30 x 24)	3,552 x 2,832	2,656 x 2,120	1,776 x 1,416														
DX format (24 x 16)	2,784 x 1,848	2,080 x 1,384	1,392 x 920														
Sensitivity	ISO 200 to 6,400 in steps of 1/3, 1/2, or 1 EV; sensitivity decreases approx. 0.3, 0.5, 0.7, or 1 (ISO 100 equivalent) EV below ISO 200, and increases approx. 0.3, 0.5, 0.7, 1 (ISO 12,800 equivalent), or 2 (ISO 25,600 equivalent) EV over ISO 6,400																
File System	Compliant with DCF 2.0, DPOF and Exif 2.21																
Storage System	Compressed 12/14-bit NEF (RAW, Lossless compressed): approx. 60-80% Compressed 12/14-bit NEF (RAW, Compressed): approx. 45-60% JPEG: JPEG-baseline-compliant; can be selected from Size priority and Optimal quality																
Storage Media	CompactFlash (Type I/II, compliant with UDMA); Microdrives																
Release Modes	1) Single-frame [S] mode, 2) Continuous low-speed [CL] mode: 1-9 frames per second*, 3) Continuous high-speed [CH] mode: 9 fps (9-11 fps with DX format)*, 4) Liveview [LV] mode, 5) Self-timer [Ⓢ] mode, 6) Mirror-up [Mup] mode *With Continuous-servo AF, S or M exposure mode, shutter speed 1/250 s or faster; other settings are set at "Default".																
White Balance	• Auto (TTL white balance with main image sensor and 1,005-pixel RGB sensor); • Seven manual modes can be preset with fine-tuning; color temperature setting; white balance bracketing: 2 to 9 exposures in increments of 1, 2 or 3																
Liveview	Handheld mode: TTL phase-difference AF with 51 focus areas (15 cross-type sensors) Tripod mode: focal-plane contrast AF on a desired point within a specific area																
LCD Monitor	3-in., approx. 920,000-dot (VGA), 170-degree wide-viewing-angle, 100% frame coverage, low-temperature polysilicon TFT LCD with brightness adjustment																
Playback Function	1) Full frame, 2) Thumbnail (4 or 9 segments), 3) Zoom, 4) Slideshow, 5) Histogram indication, 6) Shooting data, 7) Highlight point display, 8) Auto image rotation																
Video Output	NTSC or PAL; simultaneous playback from both the video output and on the LCD monitor available																
HDMI Output	Supports HDMI version 1.3a; Type A connector is provided as HDMI output terminal; simultaneous playback from both the HDMI output terminal and on the LCD monitor not available																
Interface	Hi-speed USB																
Lens Mount	Nikon F mount with AF coupling and AF contacts																
Compatible Lenses*1	1) Type G or D AF Nikkor: All functions supported 2) DX AF Nikkor: All functions supported except FX-format (36x24/5:4 (30x24) image size 3) AF Nikkor other than type G or D*: All functions supported except 3D Color Matrix Metering II 4) AI-P Nikkor: All functions supported except autofocus and 3D Color Matrix Metering II 5) Non-CPU AI Nikkor: Can be used in exposure modes A and M; electronic rangefinder can be used if maximum aperture is f/5.6 or faster; Color Matrix Metering and aperture value display supported if user provides lens data *1. IX Nikkor lenses cannot be used *2. Excluding lenses for F3AF																
Picture Angle	Equivalent to angle produced by lens focal length (1.5 times when DX format is selected)																
Viewfinder	SLR-type with fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1 m ⁻¹)																
Eyepoint	18 mm (-1.0 m ²)																
Focusing Screen	Type B BriteView Clear Matte VI screen																
Viewfinder Frame Coverage	Approx. 100% (vertical/horizontal)																
Viewfinder Magnification	Approx. 0.7x (50mm f/1.4 lens at infinity; -1.0 m ⁻¹)																
Reflex Mirror	Quick-return type																
Lens Aperture	Instant-return type, with depth-of-field preview button																
Autofocus	• TTL phase detection, 51 focus points (15 cross-type sensors) by Nikon Multi-CAM 3500FX autofocus module; Detection: -1 to +19 EV (ISO 100 at 20°C/68°F); AF fine adjustment possible • Focal-plane contrast [in Liveview (Tripod) mode]																

• CompactFlash is a registered trademark of SanDisk Corporation. • Products and brand names are trademarks or registered trademarks of their respective companies.

Lens Servo	1) Autofocus: Single-servo AF (S); continuous-servo AF (C); focus tracking automatically activated according to subject status, 2) Manual focus (M) with electronic rangefinder
Focus Point	Single AF point can be selected from 51 or 11 focus points
AF-Area Mode	1) Single-point AF, 2) Dynamic AF [number of AF areas: 9, 21, 51, 51 (3D-tracking)], 3) Automatic-area AF
Focus Lock	Focus can be locked by pressing AE-L/AF-L button or by pressing shutter-release button halfway (single-point AF in AF-S)
Exposure Metering System	TTL full-aperture exposure metering using 1,005-pixel RGB sensor 1) 3D Color Matrix Metering II (type G and D lenses); Color Matrix Metering II (other CPU lenses); Color Matrix Metering (non-CPU lenses if user provides lens data) 2) Center-weighted: Weight of 75% given to 8-, 15- or 20-mm circle in center of frame, or weighting based on average of entire frame 3) Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus area (on center focus area when non-CPU lens is used)
Metering Range	1) 0 to 20 EV (Matrix or center-weighted metering), 2) 2 to 20 EV (Spot metering) (ISO 100 equivalent, f/1.4 lens, at 20°C/68°F)
Exposure Meter Coupling	Combined CPU and AI
Exposure Modes	1) Programmed Auto (P) with flexible program, 2) Shutter-Priority Auto (S), 3) Aperture-Priority Auto (A), 4) Manual (M)
Exposure Compensation	±5 EV in increments of 1/3, 1/2 or 1 EV
Exposure Lock	Exposure locked at detected value with AE-L/AF-L button
Exposure Bracketing	Exposure and/or flash bracketing (2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV)
Picture Control System	Four setting options: Standard, Neutral, Vivid, Monochrome; each option can be adjusted
Shutter	Electronically controlled vertical-travel focal-plane shutter; 1/8,000 to 30 s in steps of 1/3, 1/2 or 1 EV; Bulb
Sync Contact	X = 1/250 s; flash synchronization at up to 1/250 s
Flash Control	1) TTL flash control with 1,005-pixel RGB sensor; i-TTL balanced fill-flash and standard i-TTL fill-flash available with SB-800, 600 or 400 2) Auto aperture (AA): Available with SB-800 and CPU lens 3) Non-TTL auto (A): Available with SB-800, 28, 27 or 22s 4) Range-priority manual (GN): Available with SB-800
Flash Sync Modes	1) Front-curtain sync (normal), 2) Slow sync, 3) Rear-curtain sync, 4) Red-eye reduction, 5) Red-eye reduction with slow sync
Accessory Shoe	Standard ISO 518 hot-shoe contact with safety lock
Sync Terminal	ISO 519 standard terminal
Creative Lighting System	With Speedlights such as SB-800, SB-600, SB-R200, supports Advanced Wireless Lighting, Auto FP High-Speed Sync, Flash Color Information Communication, modeling flash and FV lock
Self-timer	Electronically controlled timer with duration of 2, 3, 10 or 20 s
Depth-of-field	When CPU lens is attached, lens aperture can be stopped down to value selected by user
Preview Button	(A and M modes) or value selected by camera (P and S modes)
10-pin Terminal	1) GPS: NMEA 0183 (Ver. 2.01 and 3.01) interface standard supported with 9-pin D-sub cable and GPS Cable MC-35 (optional) 2) Remote control: via 10-pin terminal
Supported Languages	Chinese (Simplified and Traditional), Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish
Power Source	One Rechargeable Li-ion Battery EN-EL4a/EL4, Quick Charger MH-22, AC Adapter EH-6 (optional)
Tripod Socket	1/4 in. (ISO 1222)
Dimensions (W x H x D)	Approx. 159.5 x 157 x 87.5 mm (6.3 x 6.2 x 3.4 in.)
Weight	Approx. 1,240 g (2.7 lb.) without battery, memory card, body cap or accessory shoe cover
Operating Environment	Temperature: 0-40°C/32-104°F, Humidity: under 85% (no condensation)
Supplied Accessories*	Rechargeable Li-ion Battery EN-EL4a, Quick Charger MH-22, USB Cable UC-E4, Audio Video Cable EG-D2, Camera Strap AN-D3, Body Cap BF-1A, Accessory Shoe Cap BS-2, Eyepiece DK-17, Battery Chamber Cover BL-4, USB Cable Clip, Software Suite CD-ROM *Supplied accessories may differ depending on country or area
Main Optional Accessories	Wireless Transmitter WT-4, Magnifying Eyepiece DK-17M, AC Adapter EH-6, Camera Control Pro 2 Software, Image Authentication Software



Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. August 2007

	WARNING TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT
--	---

©2007 NIKON CORPORATION

Visit the Nikon Europe website at: www.europe-nikon.com



NIKON CORPORATION
Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku,
Tokyo 100-8331, Japan
<http://nikonimaging.com/>

Nikon Nordic AB Danish Branch Office Ørestads Boulevard 67-1, DK-2300 København S, Denmark www.nikon.dk
Nikon U.K. Ltd. NIKON House, 380 Richmond Road, Kingston, Surrey KT2 5PR, U.K. www.nikon.co.uk
Foto Distributors 516 Kyalami Boulevard, Kyalami Business Park, Midrand 1684, South Africa www.nikon.co.za
NIKON CANADA INC. 1366 Aerowood Drive, Mississauga, Ontario, L4W 1C1, Canada www.nikon.ca