



At the heart of the image™

D7000™



Performance Concentrated

- 16.2 effective megapixels with the newly developed Nikon DX-format CMOS image sensor
- New image-processing engine EXPEED 2 achieves higher image quality, higher-speed processing and multiple functions, with lower energy consumption
- ISO sensitivity range from 100 to 6400 at normal setting; can be set to Hi 2 (ISO 25600 equivalent)
- Newly developed AF system featuring 39 focus points including 9 cross-type sensors in the center
- New 2,016-pixel RGB sensor delivers more accurate control of metering and features the Scene Recognition System
- Full HD (1080p) D-Movie provides further improved image quality and operability with stereo sound recording capability*
- Viewfinder with approx. 100% frame coverage and approx. 0.94x magnification
- High durability with magnesium alloy top and rear covers
- Double SD card slots, SDXC compatible
- Dedicated Multi-Power Battery Pack MB-D11 (optional) that employs magnesium alloy for the exterior cover enables seamless switching of power supply with the in-camera battery

* With optional external microphone

Nikon Digital SLR Camera D7000 Specifications

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Effective angle of view	Approx. 1.5 × lens focal length (Nikon DX format)
Effective pixels	16.2 million
Image sensor	23.6 × 15.6 mm CMOS sensor; total pixels: 16.9 million
Dust-reduction system	Image Sensor Cleaning, Image Dust Off reference data (optional Capture NX 2 software required)
Image size (pixels)	4,928 × 3,264 [L], 3,696 × 2,448 [M], 2,464 × 1,632 [S]
File format	• NEF (RAW): 12 or 14 bit, lossless compressed or compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available • NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Storage media	SD (Secure Digital), SDHC and SDXC memory cards
Double slots	Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif 2.3 (Exchangeable Image File Format for Digital Still Cameras), PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	Approx. 100% horizontal and 100% vertical
Magnification	Approx. 0.94 × (50mm f/1.4 lens at infinity, -1.0 m ⁻¹)
Eye point	19.5 mm (1.0 m ⁻¹)
Diopter adjustment	-3 to +1 m ⁻¹
Focusing screen	Type B BriteView Clear Matte screen Mark II with AF area brackets (framing grid can be displayed)
Reflex mirror	Quick return
Depth-of-field preview	Pressing depth-of-field preview button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes)
Lens aperture	Instant return, electronically controlled
Compatible lenses	• DX AF NIKKOR: All functions supported • Type G or D AF NIKKOR: All functions supported (PC Micro-NIKKOR does not support some functions); IX-NIKKOR lenses not supported • Other AF NIKKOR: All functions supported except 3D color matrix metering II; lenses for F3AF not supported • AI-P NIKKOR: All functions supported except 3D color matrix metering II • Non-CPU: Can be used in modes A and M; color matrix metering and aperture value display supported if user provides lens data (AI lenses only) Electronic rangefinder can be used if maximum aperture is f/5.6 or faster
Shutter type	Electronically-controlled vertical-travel focal-plane shutter
Shutter speed	1/8,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional Remote Control ML-L3), X250
Flash sync speed	X = 1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s)
Release mode	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), ⌚ (self-timer), ⏻ (remote control), MUP (mirror up)
Frame advance rate	1 to 5 fps (CL) or 6 fps (CH) (CIPA guidelines)
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s
Remote release mode	Delayed remote, quick-response remote, remote mirror-up
Exposure metering	TTL exposure metering using 2,016-pixel RGB sensor
Metering method	• Matrix: 3D color matrix metering II (type G and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10 or 13 mm, or weighting can be based on average of entire frame (fixed at 8 mm when non-CPU lens is used) • Spot: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)
Metering range	• Matrix or center-weighted metering: 0 to 20 EV • Spot metering: 2 to 20 EV (ISO 100, f/1.4 lens, 68°F/20°C)
Exposure meter coupling	Combined CPU and AI
Exposure mode	Auto (auto; auto [flash off]), Scene (Portrait, Landscape, Child, Sports, Close up, Night portrait, Night landscape, Party/indoor, Beach/snow, Sunset, Dusk/dawn, Pet portrait, Candlelight, Blossom, Autumn colors, Food, Silhouette, High key, Low key), programmed auto with flexible program (P), shutter-priority auto (S), aperture-priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2)
Exposure compensation	-5 to +5 EV in increments of 1/3 or 1/2 EV
Exposure bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3 or 1 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity	ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available (Recommended Exposure Index)
Active D-Lighting	Can be selected from Auto, Extra high, High, Normal, Low or Off
ADL bracketing	2 frames using selected value for one frame or 3 frames using preset values for all frames
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors), and AF-assist illuminator (range approx. 1 ft. 8 in. to 9 ft. 10 in./0.5 to 3 m)
Detection range	-1 to +19 EV (ISO 100, 68°F/20°C)
Lens servo	• Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status • Manual focus (M): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area mode	Single-point AF; 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF

Focus lock	Focus can be locked by pressing shutter-release button halfway (Single-servo AF) or by pressing AE-L/AF-L button
Built-in flash	• : Auto flash with auto pop-up • P, S, A, M, : Manual pop-up with button release
Guide Number	Approx. 39/12, 39/12 with manual flash (ft./m, ISO 100, 68°F/20°C)
Flash control	• TTL: i-TTL balanced fill-flash and standard i-TTL flash for digital SLR using 2,016-pixel RGB sensor are available with built-in flash and SB-900, SB-800, SB-700, SB-600 or SB-400 (i-TTL balanced fill-flash is available when matrix or center-weighted metering is selected) • Auto aperture: Available with SB-900/SB-800 and CPU lens • Non-TTL auto: Supported flash units include SB-900, SB-800, SB-28, SB-27 and SB-22S • Distance-priority manual: Available with SB-900, SB-800 and SB-700
Flash mode	• : Auto, auto with red-eye reduction, off; fill-flash and red-eye reduction available with optional flash units • : Auto slow sync, auto slow sync with red-eye reduction, off; slow sync and slow sync with red-eye reduction available with optional flash units • : Fill-flash and red-eye reduction available with optional flash units • : Fill-flash and red-eye reduction, slow sync with red-eye reduction, rear-curtain with slow sync • S, M: Fill-flash, red-eye reduction, rear-curtain sync
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3 or 1 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit such as SB-900, SB-800, SB-700, SB-600, SB-400, SB-80DX, SB-28DX or SB-50DX is fully charged; blinks for 3 s after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts, and safety lock
Nikon Creative Lighting System (CLS)	Advanced Wireless Lighting supported with built-in flash, SB-900, SB-800, SB-700 or SU-800 as commander and SB-900, SB-800, SB-700, SB-600 or SB-R200 as remotes; Auto FP high-speed sync and modeling illumination supported with all CLS-compatible flash units except SB-400; Flash Color Information Communication and FV lock supported with all CLS-compatible flash units
Sync terminal	Sync Terminal Adapter AS-15 (available separately)
White balance	Auto (2 types), Incandescent, Fluorescent (7 types), Direct Sunlight, Flash, Cloudy, Shade, preset manual (up to 5 values can be stored), choose color temperature (2,500 K to 10,000 K), all with fine tuning; white balance bracketing: 2 to 3 frames in steps of 1, 2 or 3
Live View lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) • Manual focus (M)
AF-area mode	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Movie metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	[NTSC] • 1,920 × 1,080 (24p); 24 (23.976) fps • 1,280 × 720 (30p); 30 (29.97) fps • 1,280 × 720 (24p); 24 (23.976) fps • 640 × 424 (30p); 30 (29.97) fps • 1,920 × 1,080 (24p); 24 (23.976) fps • 1,280 × 720 (25p); 25 fps • 1,280 × 720 (24p); 24 (23.976) fps • 640 × 424 (25p); 25 fps Choice of normal and high quality available
Maximum length	Approx. 20 minutes
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio compression	Linear PCM
Audio recording device	Built-in monaural or external stereo microphone; sensitivity adjustable
Monitor	3-in. (7.5-cm), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment
Playback	Full-frame and thumbnail (4, 9 or 72 images or calendar) playback with playback zoom, movie playback, slide show, highlights, histogram display, auto image rotation and image comment (up to 36 characters)
USB	Hi-Speed USB
Video output	NTSC, PAL; images can be displayed on external device while camera monitor is on
HDMI output	Type C mini-pin HDMI connector; camera monitor turns off when HDMI cable is connected
Accessory terminal	Remote Cord MC-DC2 (available separately), GPS Unit GP-1 (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Battery	One Rechargeable Li-ion Battery EN-EL15
Battery pack	Optional Multi-Power Battery Pack MB-D11 with one Rechargeable Li-ion Battery EN-EL15 or six R6/AA size alkaline, NiMH or lithium batteries
AC adapter	AC Adapter EH-5a; requires Power Connector EP-5B (available separately)
Tripod socket	1/4 in. (ISO 1222)
Dimensions (W x H x D)	Approx. 5.2 × 4.1 × 3.0 in. (132 × 105 × 77 mm)
Weight	Approx. 1 lb. 8.3 oz. (690 g) camera body only; approx. 1 lb. 11.5 oz. (780 g) with battery and memory card but without body cap
Operating environment	Temperature: 32–104 °F/0–40 °C; humidity: less than 85% (no condensation)
Supplied accessories (may differ by country or area)	Rechargeable Li-ion Battery EN-EL15, Battery Charger MH-25, Eyepiece Cap DK-5, Rubber Eyecup DK-21, USB Cable UC-E4, Audio Video Cable EG-D2, Camera Strap AN-DCL, LCD Monitor Cover BM-11, Body Cap BF-1B, Accessory Shoe Cover BS-1, ViewNX 2 ROM

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