

D7000

At the heart of the 'mage TIM



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 incamera battery

Nikon Digital SLR Camera D7000 Specifications

	Single-lens reflex digital camera
	Nikon F mount (with AF coupling and AF contacts)
	Approx. 1.5 × lens focal length (Nikon DX format)
Effective pixels	16.2 million
Image sensor Dust-reduction system	23.6 x 15.6 mm CMOS sensor; total pixels: 16.9 million Image Sensor Cleaning, Image Dust Off reference data (optional Capture NX 2 software
	required)
	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
Distance Court 10	NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats Standard Newton Wild Management Protein Landau and Parket Management (RAW)
	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
	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
	Eye-level pentaprism single-lens reflex viewfinder
	Approx. 100% horizontal and 100% vertical
Magnification	Approx. 0.94 x (50mm f/1.4 lens at infinity, -1.0 m ⁻¹)
Eyepoint Diopter adjustment	19.5 mm (-1.0 m ⁻¹) -3 to +1 m ⁻¹
Focusing screen	Type B BriteView Clear Matte screen Mark II with AF area brackets (framing grid can be
. country out buil	displayed)
	Quick return
	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 • DX AF NIKKOR: All functions supported • Type G or D AF NIKKOR: All functions
Compatible lenses	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 \bullet Non-CPU: Can be used in modes A and M; color matrix metering and
	aperture value display supported if user provides lens data (Al lenses only)
	Electronic rangefinder can be used if maximum aperture is f/5.6 or faster
	Electronically-controlled vertical-travel focal-plane shutter 1/8,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional Remote Control ML-
Shutter speed	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)
	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s 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)
	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
Funnacius brackatina	
	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1 or 2 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
Exposure lock ISO sensitivity	Luminosity locked at detected value with AE-L/AF-L button 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
Exposure lock ISO sensitivity	Luminosity locked at detected value with AE-L/AF-L button 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
Exposure lock ISO sensitivity	Luminosity locked at detected value with AE-L/AF-L button 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
Exposure lock ISO sensitivity Active D-Lighting	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 39 focus points (including 9 cross-type sensors), and AF-assist illuminator (range
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 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)
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus Detection range	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 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) -1 to +19 EV (ISO 100, 68°F/20°C)
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus Detection range Lens servo	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 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) -1 to +19 EV (ISO 100, 68°F/20°C) - Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus Detection range Lens servo	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 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) -1 to +19 EV (ISO 100, 68°F/20°C) - 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
Exposure lock ISO sensitivity Active D-Lighting ADL bracketing Autofocus Detection range Lens servo	Luminosity locked at detected value with AE-L/AF-L button 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) Can be selected from Auto, Extra high, High, Normal, Low or Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, finetuning, 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) -1 to +19 EV (ISO 100, 68°F/20°C) - Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C

Focus lock	Focus can be locked by pressing shutter-release button halfway (Single-servo AF) or by
Built-in flash	pressing AE-L/AF-L button • 雷, 炙, 寒, 型, 溪, 岑 : Auto flash with auto pop-up • P, S, A, M, 村 : 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
ridsii cuittiui	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	• 📆 , Ž , 🏖 , Ѿ , ※ , अ : Auto, auto with red-eye reduction, off; fill-flash and red-eye
	reduction available with optional flash units \bullet \blacksquare : 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 \bullet \blacksquare , \bullet , \blacksquare , \blacksquare , \blacksquare , \blacksquare , \bullet
Floob componenties	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, 1 or 2 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	Advanced Wireless Lighting supported with built-in flash, SB-900, SB-800, SB-700 or
Lighting System	SU-800 as commander and SB-900, SB-800, SB-700, SB-600 or SB-R200 as remotes;
(CLS)	Auto FP high-speed sync and modeling illumination supported with all CLS-compatible
1	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)	[NTSC] • 1,920 × 1,080 (24p); 24 (23.976) fps • 1,280 × 720 (30p); 30 (29.97) fps • 1,280 ×
and frame rate	720 [24p]; 24 [23.976] fps • (640 × 424 [30p]; 30 [29.97] fps [PAL] • 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
1100	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 Accessory terminal	Type C mini-pin HDMI connector; camera monitor turns off when HDMI cable is connected
	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,
Supported languages	Arabic, Chiniese (Simplined and Traditional), Czech, Danish, Dutch, Erighish, Philinish, 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-
, paon	EL15 or six R6/AA size alkaline, NiMH or lithium batteries
AC adapter	AC Adapter EH-5a; requires Power Connector EP-5B (available separately)
	1// in /ISO 1222)
Tripod socket	1/4 in. (ISO 1222)
Tripod socket Dimensions (W x H x D)	Approx. 5.2 × 4.1 × 3.0 in. (132 × 105 × 77 mm)
Tripod socket	Approx. 5.2 × 4.1 × 3.0 in. (132 × 105 × 77 mm) Approx. 1 lb. 8.3 oz. (690 g) camera body only; approx. 1 lb. 11.5 oz. (780 g) with battery
Tripod socket Dimensions (W x H x D) Weight	Approx. $5.2 \times 4.1 \times 3.0$ in. (132 \times 105 \times 77 mm) 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
Tripod socket Dimensions (W x H x D) Weight Operating environment	$\label{eq:approx.} Approx. 5.2 \times 4.1 \times 3.0 \text{ in. (132} \times 105 \times 77 \text{ mm)} \\ Approx. 1 lb. 8.3 oz. (690 g) camera body only; approx. 1 lb. 11.5 oz. (780 g) with battery and memory card but without body cap \\ Temperature: 32–104 °F/0–40 °C; humidity: less than 85% (no condensation)$
Tripod socket Dimensions (W x H x D) Weight Operating environment Supplied accessories	Approx. $5.2 \times 4.1 \times 3.0$ in. $(132 \times 105 \times 77$ mm) 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 Temperature: $32-104$ °C; humidity: less than 85% (no condensation) Rechargeable Li-ion Battery EN-EL15, Battery Charger MH-25, Eyepiece Cap DK-5, Rubber
Tripod socket Dimensions (W x H x D) Weight Operating environment	$\label{eq:approx.} Approx. 5.2 \times 4.1 \times 3.0 \text{ in. (132} \times 105 \times 77 \text{ mm)} \\ Approx. 1 lb. 8.3 oz. (690 g) camera body only; approx. 1 lb. 11.5 oz. (780 g) with battery and memory card but without body cap \\ Temperature: 32–104 °F/0–40 °C; humidity: less than 85% (no condensation)$

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