

D2H Specifications

Type of Camera	Lens-interchangeable digital SLR camera
Effective Pixels	4.1 million
Image Sensor	JFET image sensor LBCAST, 23.3 x 15.5mm size, 4.26 million total pixels
Recording Pixels	[L] 2,464 x 1,632-pixel / [M] 1,840 x 1,224-pixel
Sensitivity	ISO equivalency 200 to 1,600 (variable in 1/2, 1/3, or 1EV steps), Sensitivity can be extended by 1 or 2 steps beyond ISO 1,600
Storage System	NEF (12-bit RAW uncompressed or lossless compression), Exif 2.2 file (uncompressed TIFF-RGB or compressed JPEG)
Storage Media	CompactFlash™ (CF) Card (Type I / II) and Microdrive™
Shooting Modes	1) Single frame shooting [S] mode: advances one frame for each shutter release 2) Continuous high shooting [CH] mode: 8 frames per second (fps) [up to 40 (JPEG) / 25 (RAW:NEF) consecutive shots] 3) Continuous low shooting [CL] mode: 1 to 7 fps (selectable from menus) 4) Self-timer mode: time duration can be set 5) Mirror up mode: first press: mirror up, second press: release 6) Playback mode: Menu mode 7) PC mode: data transfer via personal computer 8) Interval timer (Intervalometer) mode provided
White Balance	1) Auto (hybrid with 1,005-pixel CCD, LBCAST image sensor and external Ambience Light Sensor) 2) Manual (6 steps with fine tuning) 3) Preset (5 settings) 4) Color temperature setting in Kelvin (select from 31steps) 5) White Balance Bracketing (2 to 9 frames adjustable in 10.20.30 MIREd steps)
LCD Monitor	2.5-in., 211,200-dot, low temp. polysilicon TFT LCD with white LED backlighting; Backlight/brightness adjustment available
Playback Function	1) Full frame, 2) Thumbnail (4/9 segments), 3) One-touch zoom, 4) Slideshow, 5) Histogram indication, and Highlight point display
Delete Function	1) Card format, 2) All frames delete, 3) Selected frames delete
Video Output Interface	NTSC or PAL (switchable) USB 2.0 (Hi-Speed) (Mini-B connector) FTP file transfer available with optional Wireless Transmitter WT-1 (IEEE 802.11b)
Voice Memo	Record mode: Automatic or manual recording at shooting or playback, Max. recording time: 60 seconds Playback mode: Built-in speaker or Audio/Video cable File format: Mono WAV file
Text Input	Up to 30 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in Exif header
Usable Lenses	1) AF Nikkor (including AF-S, DX, VR and D-/G-type) : All functions possible 2) D-type Manual-Focus Nikkor: All functions except autofocus and some exposure modes available 3) AF Nikkor other than D-/G-type: All functions except 3D Color Matrix Metering and 3D Multi-Sensor Balanced Fill-Flash possible 4) AI-P Nikkor: All functions except 3D Color Matrix Metering, 3D Multi-Sensor Balanced Fill-Flash and AF possible 5) Non-CPU AI Nikkor : Usable in [A] or [M] mode with Matrix-Metering, Center-Weighted and Spot metering available. Indication of aperture No., after user inputs the aperture f/No. and focal length f=mm by multi-selector operation. Electronic Rangefinder usable with maximum aperture of f/5.6 or faster
Picture Angle	Approx. 1.5x focal length in 35mm [135] format equivalent
Viewfinder	Optical-type fixed eye-level pentaprism; Built-in diopter adjustment(-3 to +1m ⁻¹), Eyepiece shutter provided
Eyepoint	19.9mm (at -1.0m ⁻¹)
Focusing Screen	B-type BrightView Clear Matte Screen III; Interchangeable with optional E-type finder screen with grid
Viewfinder Frame Coverage	Approx. 100%
Viewfinder Magnification	Approx. 0.86x with 50mm f/1.4 lens set to infinity and -1.0m ⁻¹
Reflex Mirror	Automatic, instant-return type
Lens Aperture	Instant-return type, with depth-of-field preview button
Autofocus	TTL phase detection, Nikon Multi-CAM2000 autofocus module; Detection range: EV -1 to +19 (ISO 100 equivalent, at normal temperature)
Lens Servo	1) Single Servo AF [S], 2) Continuous Servo AF [C], 3) Manual focus [M] Focus Tracking automatically activated by subject's status in [S] or [C] AF
Focus Area	Selectable from 11 focus areas
AF Area Mode	1) Single Area AF, 2) Dynamic AF with Focus Tracking and Lock-on™, 3) Closest Subject Priority Dynamic AF, 4) Group Dynamic AF
Focus Lock	Focus is locked by pressing AE/AF Lock button or lightly pressing shutter release button in [S]AF.

Exposure Metering System	TTL full-aperture exposure metering system; 1) D-/G-type Nikkor lenses support 3D Color Matrix Metering using the 1,005-pixel CCD while other AF Nikkor lenses with built-in CPUs support Matrix Metering (Non-CPU lenses require manual input of lens data) 2) Center-Weighted Metering (75% of the meter's sensitivity concentrated on the 8mm dia. circle) 3) Spot Metering (3mm dia. circle, approx. 2% of entire frame); metering position can be linked to the focus area when using Nikkor lenses with built-in CPU
Exposure Metering Range	1) 3D Color Matrix Metering: EV 0 to 20 2) Center-Weighted Metering: EV 0 to 20 3) Spot Metering: EV 2 to 20 [at normal temperature (20°C/68°F), ISO 100 equivalent, f/1.4 lens]
Exposure Meter Coupling	CPU and AI (Automatic maximum aperture Indexing)
Exposure Mode	1) [P] Programmed Auto (Flexible program possible) 2) [S] Shutter-Priority Auto 3) [A] Aperture-Priority Auto 4) [M] Manual
Exposure Compensation	Exposure compensated in ±5.0 EV range in 1/3, 1/2 or 1 EV steps
Auto Exposure Lock	Detected exposure value locked by pressing AE-L/AF-L button
Auto Exposure Bracketing	Number of shots: 2 to 9 frames Compensation steps: 1/3, 1/2, 2/3, or 1EV steps
Shutter	Electromagnetically controlled vertical-travel focal-plane shutter, 30 to 1/8,000 s and bulb
Sync Contact	X-contact only; flash synchronization up to 1/250 s
Flash Control	1) New Creative Lighting System: i-TTL Balanced Fill-Flash controlled by five-segment TTL Multi Sensor with Nikon Speedlight SB-800: Advanced Wireless Lighting, FV (Flash Value) Lock, Flash Color Information Communication for Auto White Balance, Auto FP High-Speed Flash Sync, Modeling Flash 2) D-TTL Balanced Fill-Flash: When used with the Speedlight SB-800DX/50DX and in accordance with the mounted lens, five-segment TTL Multi Sensor control makes available 3D Multi-Sensor Balanced Fill-Flash, Multi-Sensor Balanced Fill-Flash, and Standard D-TTL Balanced Fill-Flash 3) AA (Auto Aperture)-type Flash available when used with SB-800/80DX and lens with built-in CPU 4) Non-TTL Auto Flash (A-type Flash) with a Speedlight such as SB-30/27/22s etc.
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
Ready-light	Lights up when flash fully charged with Speedlight SB-800/80DX/50DX/30/28/27/22s; blinks for full output warning
Accessory Shoe	ISO 518 standard-type hot shoe contact; Safety lock mechanism provided
Sync Terminal	ISO 519 standard terminal, lock screw provided
Self-timer	Electronically controlled; Timer duration: 2, 5, 10, and 20 seconds
Depth-of-field Preview Button	Stop-down lens aperture by pressing depth-of-field preview button
Remote Control	Via 10-pin remote terminal
Power Requirements	Exclusive Rechargeable Li-ion Battery EN-EL4 (11.1V DC), Battery Charger MH-21, Exclusive AC Adapter EH-6
Tripod Socket	1/4 in. (ISO1222)
Battery Monitoring System	The LCD monitor on the camera back displays the following information about the EN-EL4 battery: 1) Remaining charge (%); 2) No. of shots taken since last charge; 3) Calibration status (Recommended/Not required); 4) Battery life (5 stages)
Dimensions (W x H x D)	Approx. 157.5 x 149.5 x 85.5mm (6.2 x 5.9 x 3.4 in.)
Weight (without battery)	Approx. 1,070g (2.4lbs)
Supplied Accessories*	Li-ion Battery EN-EL4, Quick Charger MH-21, Body Cap, Camera Strap AN-D2H, AV Cable EG-D2, USB Cable UC-E4, LCD Monitor Cover BM-3, Nikon View Software CD-ROM
Optional Accessories	Wireless Transmitter WT-1, Extension Antenna WA-E1, AC Adaptor EH-6, E-type Finder Screen, Anti-fog Finder Eyepiece DK-16A, Eyepiece Correction Lens DK-16C series, Speedlight SB-800/80DX/50DX, Nikon Capture 4 software, CompactFlash™ card

*Supplied accessories may differ in each country or area

Note:
DX Nikkor lenses are designed exclusively for Nikon digital SLRs and their DX format Sensor. When selecting a lens for use on a Nikon D-Series SLR, pay special attention to the angle of view that is possible with each selected focal length.
All Nikon D-Series SLRs will provide the same angle of view with each DX Nikkor and AF Nikkor lens. The shorter focal length DX Nikkor optics provide the widest available angle of view.

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



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THE OPEN CHAMPIONSHIP

Exif Print



En

DIGITAL SLR CAMERA

D2H



At the heart of the image



8 Frames per Second for up to

40 Consecutive Shots

4.1 Effective Megapixels

Nikon Exclusive JFET Image Sensor LBCAST

All New Fast and Accurate 11-area AF System

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IEEE 802.11b Wireless Transmitter (option)

