

Specifications:

- - Type
 - Single-lens reflex digital camera
- - Lens mount
 - Nikon F mount (with AF contacts)
- - Effective angle of view
 - Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX format angle of view
- - Image sensor format
 - DX
- - Image sensor type
 - CMOS
- - Sensor size
 - 23.5 mm x 15.6 mm
- - Total pixels
 - 24.78 million
- - Dust-reduction system
 - Image Dust Off reference data (Capture NX-D software required)
- - Effective pixels
 - 24.2 million
- - Image size (pixels)
 - (L) 6000 x 4000 (24.0 million) (M) 4496 x 3000 (13.5 million) (S) 2992 x 2000 (6.0 million)
- - File format
 - NEF (RAW): 12 bit, compressed JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
- - Picture Control system
 - Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat ; selected Picture Control can be modified
- - Media

- SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant)
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- Card slot
- 1 Secure Digital (SD) card
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- File system
- DCF 2.0, Exif 2.3, PictBridge
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- Viewfinder
- Eye-level pentamirror single-lens reflex viewfinder
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- Frame coverage
- Approx. 95% horizontal and 95% vertical
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- Magnification
- Approx. 0.85 x (50 mm f/1.4 lens at infinity, -1.0 m(*1))
-
- Eyepoint
- 18 mm (-1.0 m(*1); from center surface of viewfinder eyepiece lens)
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- Diopter adjustment
- -1.7 to +0.5 m(*1)
-
- Focusing screen
- Type B BriteView Clear Matte Mark VII screen
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- Reflex mirror
- Quick return
-
- Lens aperture
- Instant return, electronically controlled
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- Autofocus support
- Autofocus is available with AF-P and type E and G AF-S lenses.
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- Type
- Electronically-controlled vertical-travel focal-plane shutter
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- Speed
- 1/4000 to 30 s in steps of 1/3 EV; Bulb; Time
-
- Flash sync speed
- X=1/200 s; synchronizes with shutter at 1/200 s or slower
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- Modes
- S (single frame), Continuous, QC (quiet continuous shutter-release), Self-timer

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- Approximate frame advance rate
- Up to 5 fps Note: Frame rates assume manual focus, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, and other settings at default values.
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- Self-timer
- 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures
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- Metering system
- TTL exposure metering using 420-pixel RGB sensor
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- Metering method
- Matrix metering: 3D color matrix metering II Center-weighted metering: Weight of 75% given to 8-mm circle in center of frame Spot metering: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point
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- Range
- (ISO 100, f/1.4 lens, 20 °C/68 °F) Matrix or center-weighted metering: 0 to 20 EV
Spot metering: 2 to 20 EV
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- Exposure meter coupling
- CPU
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- Mode
- Auto modes (auto; auto, flash off); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); scene modes (portrait; sports; close up; night portrait); special effects modes (night vision; super vivid; pop; photo illustration; toy camera effect; miniature effect; selective color; silhouette; high key; low key)
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- Exposure compensation
- Can be adjusted by –5 to +5 EV in increments of 1/3 EV in P, S, A, M, scene, and night vision modes
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- Exposure lock
- Luminosity locked at detected value with AE-L/AF-L button
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- ISO sensitivity (Recommended Exposure Index)
- ISO 100 to 25600 in steps of 1 EV Auto ISO sensitivity control available
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- Active D-Lighting
- On, off
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- Autofocus system

- Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection, 11 focus points (including one cross-type sensor), and AF-assist illuminator (range approx. 0.5 to 3m/1 ft 8 in. to 9 ft 10 in.)
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- Detection range
- -1 to +19 EV (ISO 100, 20 °C/68 °F)
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- Lens servo
- 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 (MF): Electronic rangefinder can be used
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- Focus point
- 11 Can be selected from 11 focus points
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- AF-area mode
- Single-point AF, dynamic-area AF, auto-area AF, 3D-tracking (11 points)
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- Focus lock
- Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
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- Built-in flash
- Auto, portrait, close up, night portrait, super vivid, pop, photo illustration, toy camera effect: Auto flash with auto pop-up P, S, A, M: Manual pop-up with button release
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- Guide number
- Approx. 7/22, 8/26 with manual flash (m/ft, ISO 100, 20 °C/68 °F)
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- Control
- TTL: i-TTL flash control using 420-pixel RGB sensor is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR with spot metering
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- Mode
- Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off
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- Flash compensation
- Can be adjusted by -3 to +1 EV in steps of 1/3 EV in P, S, A, M, and scene modes
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- Flash-ready indicator
- Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output

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- Accessory shoe
- ISO 518 hot-shoe with sync and data contacts and safety lock
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- Nikon Creative Lighting System (CLS)
- i-TTL flash control, optical Advanced Wireless Lighting, Color Information Communication, AF-assist for multi-area AF
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- Sync terminal
- AS-15 sync terminal adapter (available separately)
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- White balance
- Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning
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- Lens servo
- Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (MF)
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- AF-area mode
- Face-priority AF, Wide-area AF, Normal-area AF, Subject-tracking AF
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- Autofocus
- Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
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- Automatic scene selection
- Available in auto and auto, flash off modes
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- Metering system
- TTL exposure metering using main image sensor
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- Metering mode
- Matrix
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- Frame size (pixels) and frame rate
- 1920 x 1080; 60p (progressive), 50p, 30p, 25p, 24p 1280 x 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality
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- File format
- MOV
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- Video compression
- H.264/MPEG-4 Advanced Video Coding
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- Audio recording format
- Linear PCM
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- Audio recording device
- Built-in monaural microphone; sensitivity adjustable
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- ISO sensitivity
- ISO 100 to 25600
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- Monitor size
- 7.5 -cm (3 –in.) diagonal
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- Monitor type
- TFT LCD with 170 ° viewing angle, approx. 100% frame coverage, and brightness adjustment
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- Monitor resolution
- Approx. 921 k-dot (VGA)
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- Playback
- Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters)
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- USB connector
- Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended
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- HDMI output connector
- Type C HDMI connector
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- Communication protocols
- Bluetooth Specification Version 4.1
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- Operating frequency
- Bluetooth: 2402 to 2480 MHz Bluetooth Low Energy: 2402 to 2480 MHz
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- Maximum output power
- 1.2 dBm (EIRP)
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- Range (line of sight)
- Approximately 10 m (32 ft) without interference; range may vary with signal strength and presence or absence of obstacles
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- Battery
- One EN-EL14a rechargeable Li-ion battery
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- AC adapter
- EH-5c/EH-5b AC adapter; requires EP-5A power connector (available separately)
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- Tripod socket
- 1/4-in. (ISO 1222)
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- Dimensions (W x H x D)
- Approx. 124 x 97 x 69.5 mm (4.9 x 3.9 x 2.8 in.)
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- Weight
- Approx. 415 g (14.7 oz) with battery and memory card but without body cap; approx. 365 g/12.9 oz (camera body only)
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- Operating environment
- Temperature: 0 °C to 40 °C (+32 °F to 104 °F) Humidity: 85% or less (no condensation)
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- Supplied accessories
- AN-DC3 Strap, DK-25 Rubber Eyecup (comes attached to camera), BF-1B Body Cap, EN-EL14a Rechargeable Li-ion Battery (with terminal cover), MH-24 Battery Charger (plug adapter supplied in countries or regions where required; shape depends on country of sale)