

▼ Type

Type	Single-lens reflex digital camera
Lens Mount	Nikon F bayonet mount

▼ Image Sensor

Picture Angle	Nikon DX format (Effective picture angle 1.5x [Approx.] conversion factor)
Effective Pixels (Megapixels)	24.2 million
Sensor Size	23.5 mm x 15.6 mm
Image Sensor Format	DX
Image Sensor Type	CMOS
Total Pixels	24.7 million
Dust-Reduction System	Image Dust Off reference data (optional Capture NX-D software required)
Dust-Off Reference Photo	Yes
Image Area (pixels)	DX-format (L) 6,000 x 4,000 (M) 4,496 x 3,000 (S) 2,992 x 2,000

▼ File System

File Format Still Images	Compressed 12-bit NEF (RAW) 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
Storage Media	SD SDHC SDXC
Card Slot	1 Secure Digital (SD)
File System	Compliant with 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)

▼ Viewfinder

Viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder
Viewfinder Frame Coverage	95% Horizontal 95% Vertical (Approx.)
Viewfinder Magnification	0.85x (Approx.)
Viewfinder Eyepoint	18mm (-1.0m ⁻¹)
Viewfinder Diopter Adjustment	-1.7 to + 0.5m ⁻¹
Focusing Screen	Type B BriteView Clear Matte Mark VII screen
Reflex Mirror	Quick-return type

▼ Lens

Lens Aperture	Instant-return type
---------------	---------------------

Lens Compatibility at a Glance***	Autofocus is available with AF-P and type E and G AF-S lenses
Compatible Lenses	<p>This camera supports autofocus with AF-P and type E and G AF-S lenses only. AF NIKKOR for F3AF not supported.</p> <p>AI-P NIKKOR: All Functions supported except autofocus and 3D Color Matrix Metering II.</p> <p>Electronic rangefinder can be used if Maximum Aperture is f/5.6 or Faster. IX NIKKOR lenses cannot be used.</p> <p>Non-CPU: Autofocus not supported. Can be used in mode M, but exposure meter does not function.</p> <p>Other AF NIKKOR: All Functions Supported Except 3D Color Matrix Metering II.</p> <p>Type D PC NIKKOR: All Functions Supported Except Autofocus and some Shooting Modes.</p> <p>Type G or D AF NIKKOR not equipped with an autofocus motor: all functions supported except autofocus.</p>

▼ Shutter

Shutter Type	Electronically controlled vertical-travel focal-plane
Shutter Speed	1/4000 to 30 sec.
Fastest Shutter Speed	1/4000 sec.
Slowest Shutter Speed	30 sec.
Flash Sync Speed	Up to 1/200 sec.
Shutter Release Modes	<p>Continuous</p> <p>Delayed Remote</p> <p>Quick Response Remote Mode</p> <p>Quiet shutter-release</p> <p>Self-timer Mode</p> <p>Single-frame [S] mode</p>
Frame Advance Rate	Up to 5 fps (manual focus, mode M or S, shutter speed 1/250 sec or faster, and other settings at default values)
Top Continuous Shooting Speed at full resolution	5 frames per second
Self-timer	<p>2, 5, 10, 20 sec.; 1 to 9 exposures</p> <p><i>Timer duration electronically controlled</i></p>

▼ Exposure

Exposure Metering System	TTL exposure metering using 420-pixel RGB sensor
Metering Method	<p>Center-weighted: Weight of 75% given to 8 mm circle in center of frame</p> <p>Matrix: 3D color matrix metering II (type E and G lenses); color matrix metering II (other CPU lenses)</p> <p>Spot: Meters 3.5 mm circle (about 2.5% of frame) centered on selected focus point</p>
Metering Range	<p>0 to 20 EV (Matrix or center-weighted metering at ISO 100 equivalent, f/1.4 lens, at 20°C/68°F)</p> <p>2 to 20 EV (Spot metering at ISO 100 equivalent, f/1.4 lens at 20°C/68°F)</p>
Exposure Meter Coupling	CPU
Exposure Modes	<p>Aperture-Priority (A)</p> <p>Auto</p> <p>Auto (flash off)</p> <p>Manual (M)</p> <p>Programmed Auto with flexible Program (P)</p> <p>Shutter-Priority Auto (S)</p>
Scene Modes	<p>Auto</p> <p>Auto [Flash Off]</p> <p>Child</p> <p>Close-up</p> <p>Landscape</p> <p>Night Portrait</p> <p>Portrait</p> <p>Sports</p> <p>Special Effects Modes (night vision; super vivid; pop; photo illustration; toy camera effect; miniature effect; selective color; silhouette; high key; low key)</p>

Exposure Compensation	±5 EV in increments of 1/3 EV in P, S, A, M, Scene, and Night Vision modes
Exposure Lock	Luminosity locked at detected value with AE-L/AF-L button
Picture Control	Landscape Monochrome Neutral Portrait Selected Picture Control can be modified Standard Vivid

▼ Sensitivity

ISO Sensitivity	ISO 100 - 25,600
Lowest Standard ISO Sensitivity	100
Highest Standard ISO Sensitivity	25,600
High ISO Noise Reduction	Low Normal High Off
Active D-Lighting	On Off

▼ Focus/Autofocus

Single-Point AF Mode	Yes
Dynamic AF Mode	Number of AF points: 11 (3D-tracking)
Auto-Area AF Mode	Yes
Autofocus System	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection
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 (MF): Electronic rangefinder can be used
Focus Lock	Focus can be locked by pressing AE-L/AF-L button Focus can be locked by pressing shutter-release button halfway (single-servo AF)
Focus Modes	Auto AF-S/AF-C selection (AF-A) Continuous-servo (AF-C) Face-Priority AF available in Live View only and D-Movie only Full-time Servo (AF-A) available in Live View only and D-Movie only Manual (M) with electronic rangefinder Normal area available in Live View and D-Movie only Predictive focus tracking activated automatically according to subject status Single-servo AF (AF-S) Wide area available in Live View and D-Movie only
Maximum Autofocus Areas/Points	11
Autofocus Sensitivity	-1 to +19 EV (ISO 100, 20°C/68°F)

▼ Flash

Built-in Flash	Yes
X-Sync Speed	1/200
Flash 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

Flash Sync Modes	Auto Auto with red-eye reduction Auto slow sync Auto slow sync with red-eye reduction Fill-flash Rear-curtain sync Rear-curtain with slow sync Red-Eye reduction Red-Eye reduction with slow sync Slow sync Off
Flash Compensation	Can be adjusted by −3 to +1 EV in increments of 1/3 EV in P, S, A, M, and scene modes
Flash-ready Indicator	Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output
Accessory Shoe	Yes
Nikon Creative Lighting System (CLS)	CLS Supported
Flash Sync Terminal	Sync Terminal Adapter AS-15 (available separately)

▼ White Balance

White Balance	Auto Cloudy Direct Sunlight Flash Fluorescent (7 types) Incandescent Preset Manual Shade
---------------	---

▼ Live View

Live View Shooting	Yes
Live View Lens Servo	Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (MF)
Live View AF-Area Mode	Face-priority AF Wide-area AF Normal-area AF Subject-tracking AF
Live View Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Live View Scene Auto Selector	Auto mode Auto (flash off) mode

▼ Movie

Movie Metering	TTL exposure metering using main image sensor
Movie Maximum Recording Time	20 minutes at highest quality 29 minutes 59 seconds at normal quality
Movie File Format	MOV
Movie Video Compression	H.264/MPEG-4 Advanced Video Coding
Movie Audio Recording Format	Linear PCM
Movie	Full HD 1,920x1,080 / 60 fps Full HD 1,920x1,080 / 50 fps Full HD 1,920x1,080 / 30 fps Full HD 1,920x1,080 / 25 fps Full HD 1,920x1,080 / 24 fps HD 1,280x720 / 60 fps HD 1,280x720 / 50 fps

Movie Audio	Built-in microphone, monaural Microphone sensitivity can be adjusted
-------------	---

▼ Monitor

Monitor Size	3.0 in. diagonal
Monitor Resolution	921,000 Dots
Monitor Type	Wide Viewing Angle TFT-LCD
Monitor Angle of View	170-degree wide-viewing angle
Monitor Adjustments	Brightness adjustment

▼ Playback

Playback Functions	Auto Image Rotation Full-Frame and Thumbnail (4, 9, or 72 images or calendar) Highlights Histogram Display Image Comment Location Display Movie Playback Photo Information Picture Rating Playback Face Zoom Playback with Zoom Playback Zoom Cropping Slideshow
In-Camera Image Editing	Color Outline Color Sketch D-Lighting Distortion Control Filter Effects Fisheye Image Overlay Miniature Effect Monochrome NEF (RAW) Processing Painting Perspective Control Photo Illustration Quick Retouch Red-Eye Correction Resize Selective Color Straighten Trim

▼ Interface

Interface	HDMI output: Type C mini-pin HDMI connector Hi-Speed USB; connection to built-in USB port is recommended
Wi-Fi Functionality	Eye-Fi Compatible
Bluetooth	Yes <i>Bluetooth Specification Version 4.1</i>

▼ Menus

Recent Settings	Yes
Supported Languages	Arabic Bengali Brazilian Portuguese Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish

	French
	German
	Greek
	Hindi
	Hungarian
	Indonesian
	Italian
	Japanese
	Korean
	Marathi
	Norwegian
	Persian
	Polish
	Portuguese
	Romanian
	Russian
	Spanish
	Swedish
	Tamil
	Telugu
	Thai
	Turkish
	Ukrainian
	Vietnamese

Date, Time and Daylight Savings Time Settings	Yes
World Time Setting	Yes

▼ Power

Battery / Batteries	EN-EL14a Rechargeable Li-ion Battery
Battery Life (shots per charge)	1,200 shots (CIPA)
AC Adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Battery Charger	MH-24 Quick Charger

▼ Miscellaneous

Tripod Socket	1/4 in.
Approx. Dimensions (Width x Height x Depth)	4.9 in. (124 mm) x 3.9 in. (98 mm) x 3.0 in. (75.5 mm)
Approx. Weight	14 oz. (395 g) <i>camera body only</i>
Operating Environment	0–40 °C (+32–104 °F) Less than 85% (no condensation)