

▼ Type

Type	Advanced Camera with Interchangeable Lenses
Lens Mount	Nikon 1 mount

▼ Image Sensor

Picture Angle	Approx. 2.7x lens focal length (Nikon CX format)
Effective Pixels (Megapixels)	20.8 million
Sensor Size	13.2 mm x 8.8 mm
Image Sensor Format	CX
Image Sensor Type	CMOS
Dust-reduction system	Dust Shield
Image Area (pixels)	Normal Panorama, horizontal pan (120:23 aspect ratio) 4,800 x 920 Normal Panorama - vertical pan (8:25 aspect ratio) 1,536 x 4,800 Wide Panorama - horizontal pan (240:23 aspect ratio) 9,600 x 920 Wide Panorama - vertical pan (4:25 aspect ratio) 1,536 x 9,600 Still Images (3:2 aspect ratio) 5,568 x 3,712 4,176 x 2,784 2,784 x 1,856 Still images (taken during movie recording; aspect ratio 3:2) Motion Snapshot (16:9 aspect ratio) 5,568 x 3,136

▼ File System

File Format	Compressed 12-bit NEF (RAW) JPEG: JPEG-Baseline compliant with fine (approx 1:4), normal (approx 1:8) NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Storage Media	microSD (micro Secure Digital) microSDHC microSDXC memory cards
Card Slot	1 micro secure digital
File System	Compliant with DCF (Design Rule for Camera File System) 2.0 EXIF 2.3 (Exchangeable Image File Format for Digital Still Cameras) PictBridge

▼ Lens

Lens Aperture	electronically controlled
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▼ Shutter

Shutter Type	Electronic Shutter
Fastest Shutter Speed	Electronic Shutter: 1/16,000 sec.
Slowest Shutter Speed	30 sec.

Flash Sync Speed	Up to 1/60 sec.
Bulb Shutter Setting	Yes
Shutter Release Modes	Single-frame [S] mode Continuous Self-timer mode Interval Timer Shooting
Frame Advance Rate	Approx. 5, 10, 20, 30 or 60 fps
Top Continuous Shooting Speed at full resolution	20 frames per second
Self-timer	2, 10 sec. <i>Timer duration electronically controlled</i>

▼ Exposure

Exposure Metering System	TTL metering using image sensor
Metering Method	Matrix Center-weighted: Meters 4.5 mm circle in center of frame Spot: Meters 2 mm circle centered on select focus area
Exposure Modes	Programmed Auto with flexible Program (P) Shutter-Priority Auto (S) Aperture-Priority Auto (A) Manual (M) Scene Auto Selector
Scene Modes	Portrait Landscape Night Landscape Night Portrait Close-up Auto
Shooting Modes	Advanced movie mode (includes HD movie, 4K movie, time-lapse movie, slow motion, jump cut, fast motion and 4-second movie) Auto Photo mode HDR, easy panorama, soft, miniature effect, selective color, cross process, toy camera effect, cross screen, fisheye, skin softening, night landscape, night portrait, landscape, close-up, and portrait) Motion Snapshot (16:9) P programmed auto with flexible program, S shutter-priority auto, A aperture-priority auto, M manual Best Moment Capture mode (includes Slow View, Active Selection, and Smart Photo Selector)
Exposure Compensation	±3 EV in increments of 1/3EV
Exposure Lock	Luminosity locked at metered value when shutter-release button is pressed halfway
Picture Control	Standard Neutral Vivid Monochrome Portrait Landscape Selected Picture Control can be modified User-customizable Settings

▼ Sensitivity

ISO Sensitivity	160 - 12800
Active D-Lighting	On Off

▼ Autofocus

Autofocus System	Hybrid autofocus (phase detection/contrast-detect AF) AF assist illuminator
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AF-assist illuminator	
AF-area mode	Single-point AF: 171 focus areas; the center 105 areas support phase-detection AF Subject tracking Face-priority AF
Focus Lock	Focus can be locked by pressing shutter-release button halfway (single AF)
Focus Modes	Auto (AF) Auto AF-S/AF-C selection (AF-A) Single-Servo AF (AF-S) Continuous-Servo (AF-C) Full-time Servo (AF-F) Manual Focus (MF)
▼ Flash	
Built-in Flash	Yes
Guide Number	5/16 (m/ft ISO 100, 20°C/68°F) Approx. At ISO 160, Guide Number is approx. (6.3/20.7)
Flash Control	i-TTL flash control using image sensor available
Flash Mode	Auto Auto with red-eye reduction Fill-flash Fill-flash with slow sync Red-eye reduction Red-eye reduction with slow sync Rear curtain sync Rear curtain with slow sync Slow sync with red-eye reduction Off
Flash Compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when built-in flash unit is fully charged
White Balance	Auto Incandescent Fluorescent Direct Sunlight Flash Cloudy Shade Preset Manual All except preset manual with fine tuning
▼ Movie	
Movie Metering	TTL exposure metering using main image sensor
Movie Metering Method	Matrix Center-weighted: Meters 4.5 mm circle in center of frame Spot: Meters 2 mm circle centered on select focus area
Movie File Format	MOV
Movie Video Compression	H.264/MPEG-4 Advanced Video Coding
Movie Audio recording format	PCM
Movie Audio recording device	Built-in stereo microphone; sensitivity adjustable
Movie	HD: 1920 x 1080/60p HD: 1920 x 1080/30p HD: 1280 x 720/60p HD: 1280 x 720/30p Slow-motion: 1280 x 720/120 fps Slow-motion: 800 x 296/100 fps

	Slow-motion: 600 x 250/400 fps Slow-motion: 400 x 144/1200 fps 4K movies: 3840 x 2160/15p (14.99 fps) Audio file format: ACC Movie file format: MOV
▼ Monitor	
Monitor Size	3.0 in. diagonal
Monitor Resolution	1,037,000 Dots
Monitor Type	Tilting TFT-LCD with brightness adjustment
▼ Interface	
Interface	USB: Hi-speed USB HDMI output: Type D mini-pin HDMI connector
▼ Menus	
Supported Languages	Arabic Bengali Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish French German Greek Hindi Hungarian Indonesian Italian Japanese Korean Norwegian Persian Polish Portuguese (European and Brazilian) Russian Serbian Spanish Swedish Thai Turkish Ukrainian Vietnamese
Date, Time and Daylight Savings Time Settings	Yes
World Time Setting	Yes
▼ Power	
Battery / Batteries	EN-EL24 Lithium-ion Battery
Battery Life (shots per charge)	250 shots (CIPA) Movies: Approx. 60 minutes (1080/30p)
AC Adapter	EH-5b AC Adapter Requires EP-5F Power Supply Connector (available separately)
▼ Miscellaneous	
Tripod Socket	1/4 in.
Approx. Dimensions (Width x Height x Depth)	3.9 in. (98.3 mm) x 2.4 in. (59.7 mm) x 1.3 in. (31.5 mm) <i>Excluding projections.</i>

Approx. Weight	8.2 oz. (231 g) <i>camera body only</i>
Operating Environment	32 to 104°F (0 to 40°C) <i>Less than 85% humidity (no condensation)</i>