










# Tech Specs

	<b>Effective Pixels</b> 24.5 million		<b>ISO Sensitivity</b> ISO 100 to 64,000 in steps of 1/3 and 1 EV. Can also be set to approx. 0.3, 0.7, or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.7, 1 or 1.7 EV (ISO 204,800 equivalent) above ISO 64,000; auto ISO sensitivity control available. Note: ISO sensitivity is limited to 400-64,000 when HLG is selected for tone mode.		<b>Monitor Type</b> Vari-angle TFT touch-sensitive LCD
	<b>Sensor Size</b> 23.9 mm x 35.9 mm				<b>Battery / Batteries</b> EN-EL15c
	<b>Image Sensor Format</b> FX				<b>Approx. Dimensions (Width x Height x Depth)</b> 5.3 in.134 mm x 4 in.100.5 mm x 2.9 in.72 mm
	<b>Storage Media</b> SD (Secure Digital), SDHC, and SDXC memory cards (SDHC and SDXC memory cards are UHS-II compliant)		<b>Monitor Size</b> 3.2 in. diagonal		<b>Approx. Weight</b> 24.7 oz.620 g

Type	
Type	Digital camera with support for interchangeable lenses
Lens Mount	Nikon Z mount

Image Sensor	
Effective Pixels	24.5 million
Sensor Size	23.9 mm x 35.9 mm
Image Sensor Format	FX
Image Sensor Type	CMOS
Total Pixels	25.28 million
Dust-Reduction System	Image sensor cleaning, Image Dust Off reference data (requires NX Studio)
Dust-Off Reference Photo	Yes
Image Area (pixels)	FX-format (L)6,048 x 4,032 (M)4,528 x 3,024 (S)3,024 x 2,016 DX-format (L)3,984 x 2,656 (M)2,976 x 1,992 (S)1,984 x 1,328 1:1 (24 x 24) (L)4,032 x 4,032 (M)3,024 x 3,024 (S)2,016 x 2,016 16:9 (36 x 20) (L)6,048 x 3,400 (M)4,528 x 2,544 (S)3,024 x 1,696

File System	
File Format Still Images	NEF (RAW): 14 bit with lossless, high-efficiency*, and high efficiency options; JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression; size-priority and optimal-quality compression available; HEIF: Supports fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16)

	compression; size-priority and optimal-quality compression available; NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats; NEF (RAW)+HEIF: Single photograph recorded in both NEF (RAW) and HEIF formats
<b>Storage Media</b>	SD (Secure Digital), SDHC, and SDXC memory cards (SDHC and SDXC memory cards are UHS-II compliant)
<b>Card Slot</b>	2 slots (SD and SD)
<b>File System</b>	DCF 2.0, Exif 2.32, MPEG-A MIAF

## Viewfinder

<b>Viewfinder</b>	1.27-cm/0.5-in. approx. 3690k-dot (Quad VGA) OLED electronic viewfinder with colour balance and auto and 18-level manual brightness controls
<b>Viewfinder Frame Coverage</b>	Approx.Approx. 100% horizontal and 100% vertical
<b>Viewfinder Magnification</b>	Approx.Approx. 0.8x (50 mm lens at infinity, -1.0 m-1)
<b>Viewfinder Eyepoint</b>	21 mm (-1.0 m-1; from rearmost surface of viewfinder eyepiece lens)
<b>Viewfinder Diopter Adjustment</b>	-4 – +2 m-1
<b>Eye Sensor</b>	Automatically switches between monitor and viewfinder displays

## Lens

<b>Depth-of-Field Control</b>	Yes
<b>Lens Compatibility at a Glance***</b>	Z mount NIKKOR lenses, F mount NIKKOR lenses with mount adapter; restrictions may apply
<b>Compatible Lenses</b>	Z mount NIKKOR lenses, F mount NIKKOR lenses with mount adapter; restrictions may apply

## Shutter

<b>Shutter Type</b>	Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter; electronic shutter
<b>Shutter Speed</b>	1/8000 - 30 s (choose from step sizes of 1/4, 1/2, and 1 EV, extendable to 900 s in mode M), bulb, time. When using an electronic shutter, the shutter speed can be set up to 1/8000s.
<b>Fastest Shutter Speed</b>	1/8000 (mechanical shutter), 1/2000 (electronic shutter) sec.
<b>Slowest Shutter Speed</b>	900 seconds sec.
<b>Flash Sync Speed</b>	Up to: 1/200th sec.
<b>Bulb Shutter Setting</b>	Yes
<b>Shutter Release Modes</b>	Single frame, Continuous L, Continuous H, Continuous high-speed (extended), High-speed frame capture with Pre-Release Capture, Self-timer
<b>Approx. Frame Advance Rate</b>	Continuous L: Approx. 1-7 fps, Continuous high-speed: [Mechanical shutter] Approx. 9.4 fps. (when the shutter type is set to [Electronic front-curtain shutter]) Approx. 10 fps (when silent mode is set to [ON]). Continuous high-speed (extended): Approx. 14 fps, Approx. 15 fps (when silent mode is set to [ON]), High-speed frame capture + (C15): Approx. 15 fps. High-speed frame capture + (C30): Approx. 30 fps. Maximum frame advance rate as measured by in-house tests, Continuous high-speed and Continuous high-speed (extended) specs using an image quality setting other than NEF (RAW) or NEF (RAW) + JPG.
<b>Continuous Shooting Options</b>	Continuous L: 1-7 fps, Continuous H: 1-8.1 fps (up to 16 fps with electronic shutter), Continuous H extended: 14 fps (up to 20 fps with electronic shutter), High-speed frame capture + (C15): Approx. 15 fps. High-speed frame capture + (C30): Approx. 30 fps. Maximum frame advance rate as measured by in-house tests
<b>Top Continuous Shooting Speed at Full Resolution</b>	30 frames per second

Self-Timer	2, 5, 10, 20 sec.; 1-9 exposures at intervals of 0.5, 1, 2, or 3 sec. <i>Timer duration electronically controlled</i>
Silent Shooting	Yes
Top Continuous Shooting Speeds	30 frames per second with JPEG at full resolution

## Exposure

Exposure Metering System	TTL metering using camera image sensor
Metering Method	Matrix metering, Centre-weighted metering: Weight of 75% given to 12 mm or 8 mm circle in centre of frame or weighting can be based on average of entire frame, Spot metering: Meters 4 mm circle centred on selected focus point, Highlight-weighted metering
Metering Range	-4 to +17 EV (ISO 100, f/2.0 lens, 20°C/68°F)
Exposure Modes	Auto, Programmed auto with flexible program (P), Shutter-priority auto (S), Aperture-priority auto (A), Manual (M)
Exposure Compensation	-5 – +5 EV (choose from step sizes of ⅓ and ½ EV)
Exposure Bracketing	Yes
Exposure Lock	Luminosity locked at detected value
Picture Control	Auto, Standard, Neutral, Vivid, Monochrome, Flat Monochrome, Deep Tone Monochrome, Portrait, Rich Tone Portrait, Landscape, Flat; Creative Picture Controls: (Dream, Morning, Pop, Sunday, Somber, Dramatic, Silence, Bleached, Melancholic, Pure, Denim, Toy, Sepia, Blue, Red, Pink, Charcoal, Graphite, Binary, Carbon); Selected Picture Control can be modified, Storage for custom Picture Controls, Note: Choice of Picture Controls is restricted to Standard, Monochrome, and Flat when HLG is selected for tone mode during still photography.
Multiple Exposure	Add, average, lighten, darken
HDR Overlay	Yes
High-frequency flicker reduction	Yes

## Sensitivity

ISO Sensitivity	ISO 100 to 64,000 in steps of 1/3 and 1 EV. Can also be set to approx. 0.3, 0.7, or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.7, 1 or 1.7 EV (ISO 204,800 equivalent) above ISO 64,000; auto ISO sensitivity control available. Note: ISO sensitivity is limited to 400-64,000 when HLG is selected for tone mode.
Lowest Standard ISO Sensitivity	100
Highest Standard ISO Sensitivity	64000
Lowest Expanded ISO Sensitivity	50
Expanded ISO Sensitivity Options	204800
Long Exposure Noise Reduction	Yes
High ISO Noise Reduction	Yes
Active D-Lighting	Can be selected from: Auto, Extra high, High, Normal, Low, and Off
Active D-Lighting Bracketing	Yes

## Focus/Autofocus

Single-Point AF Mode	Yes
Dynamic AF Mode	Yes

<b>Auto-Area AF Mode</b>	Yes
<b>Autofocus System</b>	Hybrid phase-detection/contrast AF with AF assist
<b>Detection Range</b>	-10 – +19 EV. Measured in photo mode at ISO 100 and a temperature of 20°C/68°F using single-servo AF (AF-S) and a lens with a maximum aperture of f/1.2
<b>Lens Servo</b>	Autofocus (AF), Single-servo AF (AF-S), Continuous-servo AF (AF-C), Full-time AF (AF-A) available only in photo mode, Full-time AF (AF-F) available only in video mode, Manual focus (M); Electronic rangefinder can be used
<b>Focus Point</b>	273 focus points (single-point AF), 299 focus points (auto-area AF), Number of focus points available in photo mode with FX selected for image area
<b>AF-Area Mode</b>	Pinpoint, Single-point, Dynamic-area (S), Dynamic-area (M), Dynamic-area (L), Wide-area AF (S), Wide-area AF (L), Wide-area AF (C1), Wide-area AF (C2), Auto-area AF, 3D-tracking, Subject-tracking AF, Pinpoint (available in photo mode only); Single-point, dynamic-area (S, M, and L; available in photo mode only); wide-area (S, L, C1, and C2), and auto-area AF; 3D-tracking (available in photo mode only); Subject-tracking AF (available in video mode only)
<b>Focus Lock</b>	Focus can be locked by pressing shutter-release button halfway (single-servo AF/AF-S) or by pressing the centre of the sub-selector
<b>Focus Modes</b>	AF-S, AF-C, AF-A (photo), AF-F (video), MF
<b>Maximum Autofocus Areas/Points</b>	299
<b>Vibration Reduction</b>	5-axis image sensor shift, lens shift (available with VR lenses)
<b>Autofocus Fine Tune</b>	Yes

## Flash

<b>Flash Bracketing</b>	Yes
<b>X-Sync Speed</b>	1/200th sec. sec.
<b>Top FP High Speed Sync</b>	Up to:Up to 1/8000 sec. sec.
<b>Flash Control</b>	TTL: i-TTL flash control; i-TTL balanced fill-flash is used with matrix, centre-weighted, and highlight-weighted metering, standard i-TTL fill-flash with spot metering
<b>Flash Sync Modes</b>	Front-curtain sync, Rear-curtain sync, Red-eye reduction, Red-eye reduction with slow sync, Slow sync, Off
<b>Flash Compensation</b>	-3 to +1 EV (choose from step sizes of ⅓ and ½ EV)
<b>Flash-ready Indicator</b>	Lights when optional flash unit is fully charged; flashes as underexposure warning after flash is fired at full output.
<b>Accessory Shoe</b>	ISO 518 hot-shoe with sync and data contacts and safety lock
<b>Nikon Creative Lighting System (CLS)</b>	i-TTL flash control, optical Advanced Wireless Lighting, modelling illumination, FV lock, Colour Information Communication, auto FP high-speed sync
<b>Flash Sync Terminal</b>	No

## White Balance

<b>White Balance</b>	Auto (3 types), Choose colour temperature (2500K-10000K), Cloudy, Direct sunlight, Flash, Fluorescent (3 types), Incandescent, Natural light auto, Shade, Preset manual (up to 6 values can be stored), all with fine-tuning
<b>White Balance Bracketing</b>	Yes

## Movie

<b>Movie Metering</b>	TTL metering using camera image sensor
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<b>Movie Maximum Recording Time</b>	2 hours 5 minutes
<b>Movie File Format</b>	NEV, MOV, MP4
<b>Movie Video Compression</b>	N-RAW (12 bit), H.265/HEVC (8 bit/10 bit), H.264/AVC (8 bit)
<b>Movie Audio Recording Format</b>	Linear PCM (48 KHz, 24 bit, for videos recorded in NEV or MOV format), AAC (48 KHz, 16 bit, for videos recorded in MP4 format)
<b>Movie Frame size (pixels) and frame rate (RAW Video)</b>	FX: 4,032 x 2,268: 30p/25p/24p. DX: 4,032 x 2,268: 3,984 × 2,240: 30p/25p/24p. 3,984 x 2,240: 120p/100p/60p/50p/30p/25p/24p. Note: Actual frame rates for 30p, 25p, and 24p are 29.97, 25, and 23.976 fps respectively.
<b>4K Ultra High Definition (UHD)</b>	Yes
<b>Full HD Movies (1080p)</b>	Yes
<b>Slow Motion Video</b>	Yes
<b>Movie Audio</b>	Built-in stereo or external microphone can be used; sensitivity adjustable; attenuator, frequency response, and wind noise reduction functions
<b>Movie ISO</b>	Mode M: Manual selection (ISO 100 to 51,200; choose from step sizes of ⅓, ½ and 1 EV); with additional options available equivalent to approximately 0.3, 0.7, 1, or 2 EV (ISO 204,800 equivalent) above ISO 51,200; auto ISO sensitivity control (ISO 100 to Hi 2.0) available with selectable upper limit. Note: ISO sensitivity is limited to 400 to 51,200 when HLG is selected for tone mode. Note: ISO sensitivity is limited to Lo 0.3 to 2.0 and 800 to 51,200 when N-Log is selected for tone mode. Modes P, S, A: Auto ISO sensitivity control (ISO 100 to Hi 2.0) with selectable upper limit. AUTO mode: Auto ISO sensitivity control (ISO 100 to 51,200).
<b>Movie Active D-Lighting</b>	Can be selected from: Extra high, High, Normal, Low, and Off
<b>Time Code</b>	Yes
<b>Movie e-VR</b>	Yes
<b>Movie HDMI Output</b>	Yes
<b>Movie Focus Peaking</b>	Yes
<b>Movie Highlight Display (Zebras)</b>	Yes
<b>Time-Lapse Movie</b>	Yes
<b>AF for Movie</b>	Yes
<b>Raw Video Option</b>	Yes
<b>N-Log and HDR (HLG) video</b>	Yes
<b>Waveform display</b>	Yes
<b>Red REC frame indicator</b>	Yes
<b>Extended shutter speeds (mode M)</b>	Yes
<b>Extended shutter speeds (mode S)</b>	Yes
<b>Dual-format (proxy-video) recording for RAW video</b>	Yes
<b>Extended oversampling available</b>	Yes
<b>Option to view video recording info available via I menu</b>	Yes
<b>Hi-Res Zoom</b>	Yes
<b>Frame size (pixels) and frame rate</b>	3840 × 2160 (4K UHD): 60p/50p/30p/25p/24p. 1920 × 1080: 120p/100p/60p/50p/30p/25p/24p. 1920 × 1080 (slow-motion): 30p ×4 (slow-motion)/25p ×4 (slowmotion)/24p ×5 (slow-motion). Actual frame rates for 120p, 100p, 60p, 50p, 30p, 25p, and 24p are 119.88, 100, 59.94, 50, 29.97, 25, and 23.976 fps respectively

Monitor

Monitor Size	3.2 in. diagonal
Monitor Resolution	2100 k dots
Monitor Type	Vari-angle TFT touch-sensitive LCD
Touchscreen	Yes
Monitor Angle of View	170° viewing angle
Monitor Adjustments	Colour balance. 15-level manual brightness controls.
Virtual Horizon Camera Indicator	Yes

Playback

Playback Functions	Full-frame and thumbnail (up to 4, 9, or 72 pictures) playback with playback zoom, playback zoom cropping, histogram display, highlights, video playback, photo information, location data display, auto picture rotation, picture rating, voice memo input and playback, IPTC information embedding and display, Slide shows, Filtered playback, Skip to first shot in series, Series playback, Save consecutive frames, Motion blend
In-Camera Image Editing	RAW processing, Trim, Resize, D-Lighting, Straighten, Distortion Control, Perspective Control, Monochrome, Overlay, Lighten, Darken, Motion Blend
Image Comment	Yes
Voice Memo Function	Yes

Interface

Interface	USB: Type C SuperSpeed USB connector, HDMI: Type D HDMI connector, Audio Input: Stereo mini-pin jack (3.5 mm diameter; plug-in power supported). Audio Output: Stereo mini-pin jack (3.5 mm diameter)/MC-DC3 remote cord can be used. The connector function can be set to either auto switch or fixed to headphones.
Wi-Fi Functionality	Standards: IEEE 802.11b/g/n/a/ac U.S.A., Canada, and Mexico). IEEE 802.11b/g/n/a (other countries in the Americas). Operating frequency: U.S.A., Canada, and Mexico: 2412 to 2462 MHz (channel 11) and 5180 to 5825 MHz (5180 to 5580 MHz, 5660 to 5700 MHz, and 5745 to 5825 MHz). Other countries in the Americas: 2412 to 2462 MHz (channel 11) and 5180 to 5805 MHz (5180 to 5320 MHz and 5745 to 5805 MHz). Maximum output power (EIRP): 2.4 GHz band: 1.6 dBm; 5 GHz band: 6.3 dBm. Authentication: Open system, WPA2-PSK, WPA3-SAE.
Smart Device App Connectivity	SnapBridge
Wireless Connectivity	Yes
Wireless Transfer to PC	Yes
Bluetooth	Communication protocols: Bluetooth Specification Version 5.0. Operating frequency: Bluetooth: 2402-2480 MHz; Bluetooth Low Energy: 2402-2480 MHz. Maximum output power (EIRP): Bluetooth: -3.9 dBm; Bluetooth Low Energy: -5.4 dBm.
Save/Load Camera Settings	Yes
Supported Languages	English, Spanish, French, Portuguese
Date, Time and Daylight Savings Time Settings	Yes
Webcam Utility Compatible	Yes

Menus

Total Custom Settings	84
My Menu	Yes

<b>Recent Settings</b>	Yes
<b>Supported Languages</b>	English, Spanish, French, Portuguese
<b>Date, Time and Daylight Savings Time Settings</b>	Yes

## Power

<b>Battery / Batteries</b>	EN-EL15c
<b>Battery Life (shots per charge)</b>	Photo Mode (Single Frame): Number of Shots • [Viewfinder only] selected for monitor mode with: [ON] selected for [Energy saving (photo mode)] in the setup menu: Approx. 380 shots - [Viewfinder only] selected for monitor mode with: [OFF] selected for [Energy saving (photo mode)] in the setup menu: Approx. 330 shots • [Monitor only] selected for monitor mode with: [ON] selected for [Energy saving (photo mode)] in the setup menu: Approx. 350 shots - [Monitor only] selected for monitor mode with: [OFF] selected for [Energy saving (photo mode)] in the setup menu: Approx. 350 shots Video Mode: Length of Footage: • [Viewfinder only] selected for monitor mode: Approx. 85 minutes • [Monitor only] selected for monitor mode: Approx. 85 minutes
<b>AC Adapter</b>	EH-8P AC charging adapter (available separately); requires UC-E25 USB cable (supplied with camera). EH-5d, EH-5c, and EH-5b AC adapters; requires EP-5B power connector (available separately).
<b>Battery Charger</b>	MH-25A, MH-34

## Miscellaneous

<b>Tripod Socket</b>	(1/4 in., ISO 1,222)
<b>Approx. Dimensions (Width x Height x Depth)</b>	5.3 in.134 mm x 4 in.100.5 mm x 2.9 in.72 mm
<b>Approx. Weight</b>	24.7 oz.620 g
<b>Operating Environment</b>	Temperature: 0°C to 40°C (+14°F to 104°F) Humidity: Less than 85% (no condensation)