

Type	
Compact digital camera	Compact digital camera
Effective pixels	
16.0 million (Image processing may reduce the number of effective pixels.)	16.0 million (Image processing may reduce the number of effective pixels.)
Image sensor	
1/2.3-in. type CMOS, total pixels: approx. 16.79 million	1/2.3-in. type CMOS, Total pixels: approx. 16.76 million
Lens	
NIKKOR lens with 125x optical zoom	NIKKOR lens with 83x optical zoom
Focal length	
4.3 to 539 mm (angle of view equivalent to that of 24 to 3000 mm lens in 35 mm [135] format)	4.3 to 357 mm (angle of view equivalent to that of 24 to 2000 mm lens in 35 mm [135] format)
F-number	
f/2.8 to 8	f/2.8 to 6.5
Lens construction	
17 elements in 12 groups (5 ED lens elements and 1 super ED lens element)	16 elements in 12 groups (5 ED lens elements and 1 super ED lens element)
Magnification	
Up to 4x (angle of view equivalent to that of approx. 12000 mm lens in 35 mm [135] format); Up to 3.6x when recording movies with 2160/30p (4K UHD) or 2160/25p (4K UHD)	Up to 4x (angle of view equivalent to that of approx. 8000 mm lens in 35 mm [135] format)
Vibration reduction	
Lens shift (still images), combination of lens shift and electronic VR (movies)	Lens-shift VR (still images), Lens shift and electronic VR (movies)
Autofocus	

Contrast-detect AF	Contrast-detect AF
Focus range	
[W]: Approx. 30 cm (1 ft) to infinity, [T]: Approx. 7.0 m (23 ft) to infinity, Macro close-up mode: Approx. 1 cm (0.4 in.) to infinity (wide-angle position), Approx. 7.0 m (23 ft) to infinity (telephoto position), (All distances measured from center of front surface of lens)	[W]: Approx. 50 cm (1 ft 8 in.) to infinity, [T]: Approx. 5.0 m (16 ft 5 in.) to infinity, Macro close-up mode: Approx. 1 cm (0.4 in.) to infinity (wide-angle position) (All distances measured from center of front surface of lens)
AF-area mode	
Target finding AF, face priority, manual (spot), manual (normal), manual (wide), subject tracking	Target finding AF, face priority, manual (spot), manual (normal), manual (wide), subject tracking
Viewfinder	
Electronic viewfinder, 1 cm (0.39-in.), approx. 2359k-dot OLED with the diopter adjustment function (-3 to +3 m-1)	Electronic viewfinder 0.5 cm (0.2-in.) approx. 921k-dot LCD with the diopter adjustment function (-3 to +1 m-1)
Frame coverage	
Shooting mode: approx. 99% horizontal and vertical (compared to actual picture); Playback mode: Approx. 100% horizontal and vertical (compared to actual picture)	Approx. 100% horizontal and vertical (compared to actual picture)
Monitor	
8.1 cm (3.2-in.) diagonal; Approx. 921k-dot (RGB), wide viewing angle TFT LCD with anti-reflection coating and 5-level brightness adjustment, vari-angle TFT LCD	7.5 cm (3-in.) diagonal, Approx. 921k-dot, (RGBW), wide viewing angle TFT LCD with anti-reflection coating and 6-level brightness adjustment, vari-angle TFT LCD
Storage media	
SD, SDHC, SDXC	SD, SDHC, SDXC
File system	
DCF and Exif 2.31 compliant	DCF and Exif 2.3 compliant
Storage file formats	
Still images: JPEG, RAW (NRW) (Nikon's own format); Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)	Still images: JPEG, Movies: MOV (Video: H.264/MPEG-4 AVC, Audio: LPCM stereo)

Image size	
16 M 4608 x 3456, 8 M 3264 x 2448, 4 M 2272 x 1704, 2 M 1600 x 1200, 16:9 12 M 4608 x 2592, 3:2 14 M 4608 x 3072, 1:1 12 M 3456 x 3456	16 M 4608 x 3456, 8 M 3264 x 2448, 4 M 2272 x 1704, 2 M 1600 x 1200, VGA 640x480, 16:9 12 M 4608 x 2592, 16:9 2 M 1920 x 1080, 3:2 14 M 4608 x 3072, 1:1 12 M 3456 x 3456
Movie - frame size and frame rate	
2160/30p (4K UHD), 2160/25p (4K UHD), 1080/30p, 1080/25p, 1080/60p, 1080/50p, 720/30p, 720/25p, 720/60p, 720/50p, HS 480/4x, HS 720/2x, HS 1080/0.5x	-
Movie - ISO sensitivity	
ISO1001 to 1600	-
Exposure metering	
Matrix, center-weighted, spot	Matrix, center-weighted, spot
Exposure control	
Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, exposure bracketing, exposure compensation (-2.0 to +2.0 EV in steps of 1/3 EV)	Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, exposure bracketing, exposure compensation (-2.0 EV to +2.0 EV in steps of 1/3 EV)
Shutter type	
Mechanical and CMOS electronic shutter	Mechanical and CMOS electronic shutter
Shutter speed	
1/40002 to 1 s, 1/40002 to 30 s (when ISO sensitivity is 100 in M mode)	1/4000 to 1 s, 1/4000 to 15 s (when ISO sensitivity is 100 in M mode) ¹
Flash sync speed	
Synchronizes with all shutter speeds	-
Self-timer	
Can be selected from 10 s and 3 s	Can be selected from 10 s and 2 s
Aperture	
Electronically-controlled 7-blade iris diaphragm	Electronically-controlled 6-blade iris diaphragm
Aperture range	
10 steps of 1/3 EV (W) (A, M mode)	10 steps of 1/3 EV (W) (A, M mode)

Flash range	
ISO sensitivity: Auto, [W]: Approx. 0.3 to 12 m (12 in. to 41 ft) Approx. 5.0–8.0 m (17–26 ft) (focal length equivalent to that of 2000 mm lens in 35 mm [135] format); When focal length is equivalent to that of 3000 mm lens in 35 mm [135] format: Approx. 7.0 to 8.2 m (23 to 26 ft) (ISO sensitivity: 3200), Approx. 7.0 to 11 m (23 to 38 ft) (ISO sensitivity: 6400)	[W]: Approx. 0.5 to 11.5 m (1 ft 8 in. to 37 ft), [T]: Approx. 5.0 to 7.0 m (16 ft 5 in. to 22 ft)
Flash control	
TTL auto flash with monitor preflashes	TTL auto flash with monitor preflashes
Exposure compensation	
In steps of 1/3 EV in the range between -2 and +2 EV	In steps of 1/3 EV in the range between -2 and +2 EV
Accessory shoe	
ISO 518 hot-shoe with sync and data contacts and safety lock	-
USB	
Micro-USB connector (Do not use any USB cable other than the included UC-E21 USB Cable.), Hi-Speed USB Supports Direct Print (PictBridge)	Micro-USB connector (Do not use any USB cable other than the UC-E21.), Hi-Speed USB Supports Direct Print (PictBridge)
HDMI output	
HDMI micro connector (Type D)	HDMI micro connector (Type D)
External microphone connector	
Stereo mini-pin jack (3.5 mm diameter; plug-in power supported)	-
Wi-Fi standards	
IEEE 802.11b/g (standard wireless LAN protocol)	IEEE 802.11b/g/n (standard wireless LAN protocol)
Wi-Fi operating frequency	
2412 to 2462 MHz (1 to 11 channels)	2412 to 2462 MHz (1 to 11 channels)
Wi-Fi maximum output power	
9.2 dBm (EIRP)	-
Wi-Fi security	

Open system, WPA2-PSK	Authentication: Open system, WPA2-PSK
Wi-Fi communications protocols	
Bluetooth Specification Version 4.1	-
Bluetooth standards	
Operating frequency: Bluetooth: 2402 to 2480 MHz, Bluetooth Low Energy: 2402 to 2480 MHz	-
Power sources	
One EN-EL20a Rechargeable Li-ion Battery (included), EH-5b/EH-5c AC Adapter, requires EP-5C Power Connector (available separately)	One Rechargeable Li-ion Battery EN-EL23 (included), AC Adapter EH-67A (available separately)
Charging time	
Approx. 3 h (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)	Approx. 3 h 40 min (when using Charging AC Adapter EH-71P and when no charge remains)
Battery life	
Approx. 250 shots when using EN-EL20a3	Approx. 360 shots when using EN-EL232
Actual battery life for movie recording	
Approx. 1 h 20 min when using EN-EL20a34	Approx. 1 h 20 min when using EN-EL233
Tripod socket	
1/4 (ISO 1222)	1/4 (ISO 1222)
Dimensions	
Approx. 146.3 x 118.8 x 181.3 mm (5.8 x 4.7 x 7.2 in.) (excluding projections)	Approx. 139.5 x 103.2 x 137.4 mm (5.5 x 4.1 x 5.5 in.) (excluding projections)
Weight	
Approx. 1415 g (3 lb 2 oz) (including battery and memory card)	Approx. 899 g (1 lb 15.8 oz) (including battery and memory card)
Operating environment - temperature	
0°C to 40°C (32°F to 104°F)	0 °C to 40 °C (32 °F to 104 °F)
Operating environment - humidity	
85% or less (no condensation)	85% or less (no condensation)