



Nikon Coolpix W300 Compact Digital Camera (Orange)

Technical Specifications

Type	Compact digital camera
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
Lens	NIKKOR lens with 5x optical zoom
Focal length	4.3 to 21.5 mm (angle of view equivalent to that of 24 -120 mm lens in 35 mm [135] format)
F-number	f/2.8 to 4.9
Lens construction	12 elements in 10 groups (2 ED lens elements)
Magnification	Up to 4x (angle of view equivalent to that of approx. 480 mm lens in 35 mm [135] format)
Vibration reduction	Lens shift and electronic VR
Autofocus	Contrast-detect AF
Focus range	[W]: Approx. 50 cm (1 ft 8 in.) to infinity, [T]: Approx. 50 cm (1 ft 8 in.) to infinity, Macro 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	Face priority, manual with 99 focus areas, center, subject tracking, target finding AF

Monitor	7.5 cm (3-in.) diagonal Approx. 921k-dot, wide viewing angle TFT LCD with anti-reflection coating and 5-level brightness adjustment
Frame coverage	Approx. 97% horizontal and vertical (compared to actual picture)
Frame coverage (playback mode)	Approx. 100% horizontal and vertical (compared to actual picture)
Storage media	SD, SDHC, SDXC, Internal memory (approx. 99 MB)
File system	DCF and Exif 2.31 compliant
Storage file formats	Still images: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size (pixels)	16 M (High) 4608 x 3456, 16 M 4608 x 3456, 8 M 3264 x 2448, 4 M 2272 x 1704, 2 M 1600 x 1200, VGA 640 x 480, 16:9 12 M 4608 x 2592, 1:1 3456 x 3456
Movie - frame size (pixels) and frame rate	2160/30p (4K UHD), 2160/25p (4K UHD), 1080/30p, 1080/25p, 1080/60p, 1080/50p, 720/30p, 720/25p, 480/30p, 480/25p, HS 480/4x, HS 1080/0.5x ¹
ISO sensitivity	ISO 125 to 1600, ISO 3200, 6400 (available when using Auto mode)
Exposure metering	Matrix, center-weighted (digital zoom less than 2x), spot (digital zoom 2x or more)
Exposure control	Programmed auto exposure and exposure compensation (–2.0 to +2.0 EV in steps of 1/3 EV)
Shutter type	Mechanical and CMOS electronic shutter
Shutter speed	1/1500 to 1 s, 1/4000 s (maximum speed during high-speed continuous shooting), 25 s (Star trails in Multiple exp. Lighten scene mode)
Self-timer	10 s, 2 s, 5 s (self-portrait timer)
Aperture	Electronically-controlled preset aperture (–1 AV) and ND filter (–2 AV) selections
Aperture range	3 steps (f/2.8, f/4.1, f/8.2 [W])
Built-in flash	Yes
Flash range (approx.)	[W]: 0.5 to 5.2 m (1 ft 8 in. to 17 ft), [T]: 0.5 to 4.5 m (1 ft 8 in. to 14 ft) (ISO sensitivity: Auto)
Flash control	TTL auto flash with monitor preflashes
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)
HDMI output	HDMI micro connector (Type D)

Wi-Fi (Wireless LAN) standards	IEEE 802.11b/g (standard wireless LAN protocol)
Wi-Fi (Wireless LAN) operating frequency	2412 to 2462 MHz (1 to 11 channels)
Wi-Fi (Wireless LAN) maximum output power	11.3 dBm (EIRP)
Wi-Fi (Wireless LAN) security	Open system, WPA2-PSK
Bluetooth standards	Bluetooth Specification Version 4.1
Electronic compass	16 cardinal points (position correction using 3-axis acceleration sensor, automatic correction for the deviated angle, and automatic offset adjustment)
GPS - location data	GPS: Receiving frequency: 1575.42 MHz, Geodetic system: WGS 84 GLONASS: Receiving frequency: 1598.0625 to 1605.3750 MHz, Geodetic system: WGS 84
Barometer	Display range: Approx. 500 to 4600 hPa
Altimeter	Display range: Approx. -300 to +4500 m (-984 to +14,760 ft)
Depth gauge	Display range: Approx. 0 to 35 m (0 to 114 ft)
Waterproof	JIS/IEC protection class 8 (IPX8) equivalent (under our testing conditions) Capacity to shoot images underwater up to a depth of 30 m (100 ft) and for 60 minutes
Dustproof	JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions)
Shockproof	Cleared our testing conditions ⁴ compliant with MIL-STD 810F Method 516.5-Shock
Supported languages	Arabic, Bulgarian, 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), Romanian, Russian, Serbian, Spanish, Swedish, Thai, Turkish, Ukrainian
Power sources	One EN-EL12 Rechargeable Li-ion Battery (included), EH-62F AC Adapter (available separately)
Charging time	Approx. 2 h 20 min (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)
Battery life	Approx. 280 shots when using EN-EL12 ²

Actual battery life for movie recording	Approx. 1 h (1080/30p) when using EN-EL12 ²³ Approx. 1 h (1080/25p) when using EN-EL12 ²³
LED light	Built-in
Tripod socket	1/4 (ISO 1222)
Dimensions (W x H x D)	Approx. 111.5 x 66.0 x 29.0 mm (4.4 x 2.6 x 1.2 in.) (excluding projections)
Weight	Approx. 231 g (8.2 oz) (including battery and memory card)
Operating environment - temperature	-10°C to +40°C (14°F to 104°F) (for land use), 0°C to 40°C (32°F to 104°F) (for underwater use)
Operating environment - humidity	85% or less (no condensation)
Supplied accessories	Camera strap for land use, EN-EL12 Rechargeable Li-ion Battery, EH-73P Charging AC Adapter ⁵⁶ , UC-E21 USB Cable, Brush ⁷

- ¹ *Waterproof: clears Nikon testing conditions that are equivalent to JIS/IEC Protection Class 8 (IPX8). Shooting at depths up to 30 m is possible for approx. 60 minutes*

² *Freeze-proof/dustproof: clears Nikon testing conditions that are equivalent to JIS/IEC Protection Class 6 (IPX6).*

³ *Shockproof: clears Nikon testing conditions that conform to MIL-STD 810F Method 516.5-Shock (dropped onto plywood of 5 cm thickness from a height of 240 cm).*

⁴ *Magnification of Dynamic Fine Zoom is calculated from the maximum wide-angle position of optical zoom.*

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