

# COOLPIX P900



## Effective pixels

Effective pixels	16.0 million (Image processing may reduce the number of effective pixels.)
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## Image sensor

Image sensor	1/2.3-in. type CMOS Total pixels: approx. 16.76 million
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## Lens

Lens	NIKKOR lens with 83x optical zoom
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Focal length	4.3-357 mm (angle of view equivalent to that of 24-2000 mm lens in 35mm [135] format)
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Maximum aperture	f/2.8-6.5
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Construction	16 elements in 12 groups (5 ED lens elements and 1 super ED lens element)
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## Digital zoom magnification

Digital zoom magnification	Up to 4x (angle of view equivalent to that of approx. 8000 mm lens in 35mm [135] format)
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## Vibration reduction

Vibration reduction	Lens-shift VR (still images) , Combination of lens shift and electronic VR (movies)
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## Autofocus (AF)

Autofocus system	Contrast-detect AF
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Focus range	[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)
Focus-area selection	Target finding AF, face priority, manual (spot), manual (normal), manual (wide), subject tracking
Viewfinder	
Viewfinder	Electronic viewfinder, 0.5 cm (0.2-in.) approx. 921k-dot LCD with the diopter adjustment function (-3 - +1 m <sup>-1</sup> )
Frame coverage (playback mode)	Approx. 100% horizontal and vertical (compared to actual picture)
Monitor	
Monitor	7.5 cm (3 in.), approx. 921k-dot (RGBW), wide viewing angle TFT LCD with ant-ireflection coating and 6-level brightness adjustment, vari-angle TFT LCD
Storage	
Media	SD , SDHC , SDXC
File system	DCF and Exif 2.3 compliant
File formats	Still images: JPEG Movies: MOV (Video: H.264/MPEG-4 AVC, Audio: LPCM stereo)
Image size (pixels)	
Image size (pixels)	16M 4608 x 3456 8M 3264 x 2448 4M 2272 x 1704 2M 1600 x 1200 VGA 640 x 480 16:9 12M 4608 x 2592 16:9 2M 1920 x 1080 3:2 14M 4608 x 3072 1:1 12M 3456 x 3456
ISO	
ISO sensitivity (Standard output sensitivity)	ISO 100-1600 ISO 3200, 6400 (available when using P, S, A or M mode) Hi 1 (equivalent to ISO 12800) (available when using High ISO monochrome in special effects mode)

Exposure	
Metering method	Matrix, center-weighted, spot
Exposure modes	Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, exposure bracketing, exposure compensation (2.0 EV - +2.0 EV in steps of 1/3 EV)
Shutter	
Shutter type	Mechanical and CMOS electronic shutter
Shutter speed	1/4000* - 1 s 1/4000* - 15 s (when ISO sensitivity is 100 in M mode)  * When the aperture value is set to f/8 (wide-angle position)
Aperture	
Type	Electronically-controlled 6-blade iris diaphragm
Range	10 steps of 1/3 EV (W) (A, M mode)
Built-in flash	
Range (approx.) (ISO sensitivity: Auto)	[W]: Approx. 0.5-11.5 m (1 ft 8 in.-37 ft) [T]: Approx. 5.0-7.0 m (16 ft 5 in.-22 ft)
Control	TTL auto flash with monitor preflashes
Flash exposure compensation	In steps of 1/3 EV in the range between -2 and +2 EV
Interface	
USB connector	Micro-USB connector(Do not use any USB cable other than the UCE21.), Hi-Speed USB  Supports Direct Print (PictBridge)
HDMI output connector	HDMI micro connector (Type D)
Wireless LAN	
Standards	IEEE 802.11b/g/n (standard wireless LAN protocol)
Range (line of sight)	Approx. 10 m (10 yd)
Operating frequency	2412-2462 MHz (1-11 channels)

Authentication	Open system, WPA2-PSK
Access protocols	Infrastructure
Other function	
Location data	GPS Receiving frequency: 1575.42 MHz Geodetic system: WGS 84 GLONASS Receiving frequency: 1598.0625 MHz to 1605.3750 MHz Geodetic system: WGS 84
Supported languages for camera menus	
Supported languages for camera menus	Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
Power source	
Power source	One Rechargeable Li-ion Battery EN-EL23 (included) AC Adapter EH-67A (available separately)
Charging time	Approx. 3 h 40 min (when using Charging AC Adapter EH-71P and when no charge remains)
Battery life* <sup>1</sup>	
Battery life of still shooting	Approx. 360 shots when using EN-EL23
Battery life of movies (actual battery life for recording)* <sup>2</sup>	Approx. 1 h 20 min when using EN-EL23
Tripod socket	
Tripod socket	1/4 (ISO 1222)
Dimensions / weight	
Dimensions (WxHxD)	Approx. 139.5 x 103.2 x 137.4 mm (5.5 x 4.1 x 5.5 in.) (excluding projections)
Weight	Approx. 899 g (1 lb 15.8 oz) (including battery and memory card)
Supplied Accessories	

## Supplied Accessories<sup>\*3</sup>

Camera Strap, Lens Cap LC-67, Rechargeable Li-ion Battery EN-EL23, Charging AC Adapter EH-71P \*, USB Cable UC-E21

\*A plug adapter is included if the camera was purchased in a country or region that requires a plug adapter. The shape of the plug adapter varies with the country or region of purchase.

- Unless otherwise stated, all figures assume a fully-charged battery and an ambient temperature of  $23 \pm 3^{\circ}\text{C}$  ( $73.4 \pm 5.4^{\circ}\text{F}$ ) as specified by the Camera and Imaging Products Association (CIPA).
- \*1 Battery life may vary depending on conditions of use, such as the interval between shots or the length of time that menus and images are displayed.
- \*2 Individual movie files cannot exceed 4 GB in size or 29 minutes in length.  
Recording may end before this limit is reached if camera temperature becomes elevated.
- \*3 Supplied accessories may differ by country or area.

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