Nikon Coolpix B500
COOLPIX B500

Effective pixels

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

Image sensor

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

Lens

Lens
NIKKOR lens with 40 x optical zoom

Focal length
4.0-160 mm (angle of view equivalent to that of 22.5-900 mm lens in 35mm [135] format)

f/-number
f/3-6.5

Construction
12 elements in 9 groups (3 ED lens elements)

Digital zoom magnification

Digital zoom magnification
Up to 4x (angle of view equivalent to that of approx. 3600 mm lens in 35mm [135] format)

Vibration reduction

Vibration reduction
Lens-shift VR (still images) , Lens shift and electronic VR (movies)

Autofocus (AF)

Autofocus
Contrast-detect AF

Focus range
[W]: Approx. 30 cm (1 ft)-∞
[T]: Approx. 3.5 m (11 ft)-∞
Macro mode: Approx. 1 cm (0.4 in.)-∞ (wide-angle position)
(All distances measured from center of front surface of lens)

Focus-area selection
Face priority, manual with 99 focus areas, center, subject tracking, target finding AF

Monitor

Monitor
7.5 cm (3-in.), approx. 921k-dot, wide viewing angle TFT LCD   with anti-reflection coating and 5-level brightness   adjustment, tiltable approx. 85° downward, approx. 90° upward

Frame coverage (shooting mode)
Approx. 99% horizontal and vertical (compared to actual picture)

Frame coverage (playback mode)
Approx. 99% horizontal and vertical (compared to actual picture)

Storage

Media
SD , SDHC , SDXC
Internal memory (approx. 20 MB)

File system
DCF and Exif 2.3 compliant

File formats	Still images: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size (pixels)	
Image size (pixels)	16M (High) [4608 x 3456★] 16M [4608 x 3456] 8M [3264 x 2448] 4M [2272 x 1704] 2M [1600 x 1200] - VGA [4608 x 2592] 1:1 [3456 x 3456]
ISO sensitivity (Standard output sensitivity)	ISO 125-1600 ISO 3200, 6400 (available when using Auto mode)
Exposure	
Metering mode	Matrix, center-weighted (digital zoom less than 2x), spot (digital zoom 2x or more)
Exposure control	Programmed auto exposure and exposure compensation (−2.0-+2.0 EV in steps of 1/3 EV)
Shutter	
Shutter	Mechanical and CMOS electronic shutter 1/1500-1 s
Speed	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	
Aperture	Electronically-controlled ND filter (−2 AV) selection
Range	2 steps (f/3 and f/6 [W])
Flash	
Range (approx.) (ISO sensitivity: Auto)	[W]: 0.5-6.9 m (1 ft 8 in.-22 ft) [T]: 3.5 m (11 ft)
Flash control	TTL auto flash with monitor preflashes
Interface	Hi-Speed USB
USB connector	- Supports Direct Print (PictBridge) - Audio/video output connector (NTSC or PAL can be selected)
HDMI output	HDMI micro connector (Type D)

connector	
DC input connector	For EH-67/EH-67s AC Adapter (available separately)
Wi-Fi (Wireless LAN)	
Standards	IEEE 802.11b/g (standard wireless LAN protocol)
Operating frequency	2412-2462 MHz (1-11 channels)
Authentication	Open system, WPA2-PSK
Bluetooth	
Communication protocols	Bluetooth Specification Version 4.1
Supported languages	
Supported languages	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 sources	
Power sources	Four LR6/L40 (AA-size) alkaline batteries Four FR6/L91 (AA-size) lithium batteries Four EN-MH2 Rechargeable Ni-MH batteries (available separately) EH-67/EH-67s AC Adapter (available separately)
Battery life[1]	
Still images	Approx. 600 shots when using alkaline batteries Approx. 1240 shots when using lithium batteries Approx. 750 shots when using EN-MH2 batteries
Movie recording (actual battery life for recording)[2]	Approx. 1 h 30 min when using alkaline batteries Approx. 4 h 30 min when using lithium batteries Approx. 2 h 35 min when using EN-MH2 batteries
Tripod socket	
Tripod socket	1/4 (ISO 1222)
Dimensions / weight	
Dimensions (WxHxD)	Approx. 113.5 x 78.3 x 94.9 mm (4.5 x 3.1 x 3.8 in.) (excluding projections)
Weight	Approx. 542 g (1 lb 3.2 oz) (including LR6/L40 (AA-size) alkaline batteries and memory card)
Operating environment	
Temperature	0°C-40°C (32°F-104°F)
Humidity	85% or less (no condensation)
Supplied accessories[3]	
Supplied accessories	Camera Strap, LR6/L40 (AA-size) Alkaline Batteries (x4)(The included batteries are for trial use only.), LC-CP31 Lens Cap (with cord), UC-E16 USB Cable

- All measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines.
- *1 Battery life does not reflect the use of SnapBridge and may vary with the conditions of use, including temperature, the interval between shots, and the length of time that menus and images are displayed. The supplied batteries are for trial use only. The figures listed for lithium batteries were obtained using commercially-available FR6/L91 (AA-size) Energizer(R) Ultimate Lithium batteries.
- *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.