

▼ Type

Type	Compact Digital Camera
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▼ Image Sensor

Effective Pixels (Megapixels)	16.0 million
Image Sensor	CMOS
Sensor Size	1/2.3 in.
Total Pixels	16.76 million (approx.)
Image Size (pixels)	4608 x 3456 (16M)

▼ Lens

Lens	40x optical Zoom-NIKKOR glass lens
Lens Focal Length	4.0-160mm (angle of view equivalent to that of 22.5–900 mm lens in 35mm [135] format)
Lens f-number	f/3-6.5
Lens Construction	12 elements in 9 groups (3 ED lens elements)
Lens Zoom	40x
Digital Zoom	Up to 4x (angle of view equivalent to that of approx. 3,600mm lens in 35mm [135] format)
Vibration Reduction	Lens shift VR (still pictures) Lens-shift and Electronic VR (movies)
Aperture	Electronically controlled ND filter (-2.0 AV) insertion

▼ Autofocus

Autofocus (AF)	Contrast-detect AF
Autofocus (AF) Focus-area selection	Center Face priority Manual with 99 focus areas Subject tracking Target Finding AF
Focus Range	Approx. 1 ft. (30 cm.) to infinity [T]: Approx. 11 ft. (3.5 m) to infinity Macro mode: Approx. 0.4 in. (1 cm.) to infinity (wide-angle position) (All distances measured from center of front surface of lens)
Focus Lock	Yes

## ▼ Monitor

<b>Monitor Size</b>	3.0 in. diagonal
<b>Monitor Type</b>	TFT-LCD with Anti-reflection coating 5-level brightness adjustment Tilting TFT LCD
<b>Monitor Resolution</b>	921,000-dots
<b>Monitor Frame coverage (shooting mode)</b>	98% horizontal (Approx.) 98% vertical (Approx.) (compared to actual picture)
<b>Monitor Frame coverage (playback mode)</b>	100% horizontal (Approx.) 100% vertical (Approx.) (compared to actual picture)

## ▼ File System

<b>Storage Media</b>	SD memory card SDHC memory card SDXC memory card
<b>Internal Memory</b>	Approx. 20MB
<b>Storage File System</b>	DCF EXIF 2.3 compliant
<b>Storage File formats</b>	Still pictures: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)

## ▼ Movie

<b>Movie</b>	Full HD: 1920x1080/ 30p Full HD: 1920x1080/ 25p Full HD: 1920x1080/ 60i Full HD: 1920x1080/ 50i HD: 1280x720/ 60p HD: 1280x720/ 50p HD: 1280x720/ 30p HD: 1280x720/ 25p HS 1920x1080/ 15p HS 1920x1080/ 12.5p HS 640x480/ 120p HS 640x480/ 100p VGA 640x480/ 30p VGA 640x480/ 25p
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## ▼ Sensitivity

<b>ISO Sensitivity</b>	ISO 125 -1600 ISO 3200, 6400 (available when using P, S, A or M mode)
<b>Lowest ISO Sensitivity</b>	125
<b>Highest ISO Sensitivity</b>	6400

▼ Exposure

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<b>Exposure Metering</b>	Matrix Center-weighted Spot
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<b>Exposure Control</b>	Programmed auto exposure Exposure compensation (-2.0 to +2.0 EV in steps of 1/3 EV)
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<b>Exposure Modes</b>	Auto Creative Mode Scene Scene Auto Selector Smart Portrait
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<b>Scene Modes</b>	Backlighting Bird Watching Beach Close Up Dusk/Dawn Easy Panorama Fireworks Show Food Landscape Moon Night Landscape Party/Indoor Pet Portrait Portrait Scene Auto Selector Short Movie Show Snow Sports Sunset
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<b>In-Camera Image Editing</b>	Copy D-Lighting Filter Effects Glamour Retouch Quick Retouch Red-eye Correction Small Picture
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<b>Exposure Compensation</b>	± 2 EV in steps of 1/3
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▼ White Balance

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<b>White Balance</b>	Auto Cloudy Daylight Flash Fluorescent Incandescent White Balance Preset
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▼ Shutter

<b>Shutter</b>	Mechanical and CMOS electronic shutter
<b>Shutter Speed</b>	1/1500-1 sec. 1/4000 sec. (maximum speed during high-speed continuous shooting) 25 sec. (Star trails in Multiple Exposure Lighten Scene Mode)
<b>Top Continuous Shooting Speed at full resolution</b>	Up to 7 shots at approx. 7.4 frames per second
<b>Continuous Shooting Options</b>	Continuous H Continuous H 60 Continuous H 120 Continuous L Pre-shooting cache Single
<b>Self-timer</b>	Can be selected from 10, 2 and 5 seconds duration (self-portrait timer)

▼ Flash

<b>Built-in flash Range (approx.) (ISO sensitivity: Auto)</b>	[W]: 0.5 to 6.9m (1 ft. 8 in. to 22 ft.) [T]: 3.5m (11 ft.)
<b>Built-in Flash Control</b>	TTL auto flash with monitor preflashes
<b>Built-in Flash</b>	Yes

▼ Interface

<b>Interface</b>	Hi-speed USB
<b>Interface Data transfer protocol</b>	MTP PTP
<b>Video Output</b>	HDMI
<b>HDMI Output</b>	HDMI micro connector (Type D)
<b>I/O terminal</b>	Digital I/O (USB)
<b>Wi-Fi Functionality</b>	Yes
<b>Bluetooth</b>	Yes

▼ Supported Languages

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<b>Supported Languages</b>	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 Portugese (European and Brazilian) Romanian Russian Serbian Spanish Swedish Tamil Telugu Thai Turkish Ukranian Vietnamese
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▼ Power

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<b>Power Sources</b>	Four EN-MH2 rechargeable Ni-MH batteries (available separately) Four FR6/L91 (AA-size) lithium batteries Four LR6/L40 (AA-size) alkaline batteries AC Adapter EH-67 (available separately)
<b>Battery / Batteries</b>	AA (Alkaline, NiMH, Oxyride or Lithium)
<b>Battery Life (shots per charge)</b>	AA Alkaline: 600 shots AA Lithium: 1,240 shots EN-MH2: 750 shots  Movies: AA Alkaline: Approx. 1 hour 30 minutes AA Lithium: Approx. 4 hours 30 minutes EN-MH2: Approx. 2 hours 35 minutes <i>Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23(-/+2)°C (73(-/+4)°F); zoom adjusted with each shot, flash fired with every other shot, image quality set to Normal, image size set to 4608 x 3456 (16.0MP). Battery life may vary depending on shooting interval and length of time menus and images are displayed</i>

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▼ Miscellaneous

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<b>Tripod Socket</b>	¼ in. (ISO 1222)
<b>Approx. Dimensions (Width x Height x Depth)</b>	4.5 in. (113.5 mm) x 3.1 in. (78.3 mm) x 3.8 in. (94.9 mm) <i>excluding projections</i>
<b>Approx. Weight</b>	19.1 oz. (542 g) <i>with battery and memory card</i>
<b>Operating environment</b>	Humidity: Less than 85% (no condensation) Temperature: 0 to 40°C (32 to 104°F)

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