

▼ Image Sensor

Effective Pixels	16.0 million
Image Sensor	CMOS
Sensor Size	1/2.3 in.
Total Pixels	16.79 million (approx.)
Image Size (pixels)	4608 x 3456 (16M)

▼ Lens

Lens	10x optical Zoom, NIKKOR ED glass lens
Lens Focal Length	4.5-45.0mm (angle of view equivalent to that of 25-250 mm lens in 35mm [135] format)
Lens f/-number	f/3.2-5.8
Lens Construction	8 elements in 8 groups
Lens Zoom	10x
Digital Zoom	Up to 4x (angle of view equivalent to that of approx. 1,000mm lens in 35mm [135] format)
Vibration Reduction	Combination of Lens-shift and Electronic VR (still pictures)
Aperture	Electronically controlled ND filter (-2.0 AV) insertion

▼ Autofocus

Autofocus (AF)	Contrast-detect TTL AF
Autofocus (AF) Focus-area selection	Auto (9-area automatic selection) Center Face priority Subject tracking
Focus Range	[W]: Approx. 1 ft. 8 in. (50 cm.) to infinity [T]: Approx. 3 ft. 4 in. (1 m.) to infinity Macro close-up mode: Approx. 4 in. (10 cm.) to infinity
Focus Lock	Yes

▼ Monitor

Monitor Size	3.5 in. diagonal
Monitor Type	OLED with Anti-reflection coating Touch screen control
Monitor Resolution	819,000-dots
Monitor Frame coverage (shooting mode)	98% horizontal (Approx.) 98% vertical (Approx.)

Monitor Frame coverage (playback mode)	100% horizontal (Approx.)
▼ File System	
Storage Media	SD memory card SDHC memory card
Internal Memory	Approx. 1.7GB
Storage File System	DCF EXIF 2.3 DPOF compliant
Still File Format	Still File: JPEG Audio files: WAV Movies: MOV (Video: MPEG-4 AVC/H.264, Audio: AAC stereo)
▼ Movie	
Movie	Audio file format: AAC stereo Full HD: 1920x1080p / 30fps HD: 1280x720p/ 30fps Movie file format: MPEG-4 AVC H.264 Standard TV: 640x480/ 30fps
▼ Sensitivity	
ISO Sensitivity	ISO 125-3200 ISO 3200 (available when using Auto mode)
Lowest ISO Sensitivity	125
Highest ISO Sensitivity	3200
▼ Exposure	
Exposure Metering	256-segment matrix, center-weighted (digital zoom less than 2X) Spot (digital zoom 2X or more)
Exposure Control	Programmed auto exposure Exposure compensation (-2.0 to +2.0 EV in steps of 1/3 EV)
Exposure Modes	Programmed Auto
Scene Modes	Back Light Beach Black and White Copy Close Up Dusk/Dawn Easy Panorama Food Landscape Night Landscape Night Portrait Party/Indoor Pet Portrait Portrait Snow Sports Sunset
Custom Image Edition	Portrait

In-Camera Image Editing	Border
	Crop
	D-Lighting
	Filter Effects
	Quick Retouch
	Rotate Image
	Skin Softening
	Small Picture
Exposure Compensation	± 2 EV in steps of 1/3
Exposure Lock	Yes
▼ White Balance	
White Balance	Auto Cloudy Daylight Flash Fluorescent Incandescent Preset Manual
▼ Shutter	
Shutter	Mechanical and CMOS electronic shutter
Shutter Speed	1/20000-1 sec. 1/4000 sec. (maximum speed during high-speed continuous shooting) 4 sec. (when scene mode is set to Fireworks show)
Top Continuous Shooting Speed at full resolution	Up to 3 shots at approx. 8 frames per second
Continuous Shooting Options	Best Shot Selector Continuous H Continuous H 60 Continuous H 120 Continuous L Multi-shot 16 Single
Self-timer	Can be selected from 10 or 2 seconds duration
▼ Flash	
Built-in flash Range (approx.) (ISO sensitivity: Auto)	[W]: 0.5 to 5.6m (1 ft. 8 in. to 18 ft.) [T]: 1.0 to 3.1m (3 ft. 4 in. to 10 ft.)
Built-in Flash Control	TTL auto flash with monitor preflashes
Built-in Flash	Yes
▼ Interface	
Interface	Hi-speed USB
Interface Data transfer protocol	MTP PTP
Video Output	NTSC PAL

<b>HDMI Output</b>	Can be selected from: Auto 480p 720p 1080i
<b>I/O terminal</b>	Digital I/O (USB) HDMI Mini Connector (HDMI output)
<b>Wi-Fi Functionality</b>	Yes
<b>GPS</b>	Yes (Built-in)

▼ Supported Languages

<b>Supported Languages</b>	Arabic Brazilian Portuguese Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish French German Greek Hindi Hungarian Indonesian Italian Japanese Korean Norwegian Polish Portugese Romanian Russian Spanish Swedish Thai Turkish Ukranian Vietnamese
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▼ Power

<b>Power Sources</b>	One Rechargeable Li-ion Battery EN-EL12 (supplied)
<b>Charging Time</b>	4 hours when battery is fully discharged (using Charging AC Adapter EH-69P/EH-69C) (Approx.)
<b>Battery / Batteries</b>	Rechargeable Li-ion Battery EN-EL12
<b>Battery Life (shots per charge)</b>	Still pictures*: Approx. 140 shots *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 (16M). Battery life may vary depending on shooting interval and length of time menus and images are displayed.

▼ Miscellaneous

<b>Tripod Socket</b>	¼ in.
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Approx. Dimensions (Width x Height x Depth)	4.4 in. (111.4 mm) x 2.4 in. (60.0 mm) x 1.1 in. (27.2 mm) <i>Excluding projections. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
Approx. Weight	6.5 oz. (184 g) <i>With battery and SD memory card. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
Operating environment	Temperature: 0 to 40°C (32 to 104°F)