

Type	
Type	Compact Digital Camera
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	30x optical Zoom-NIKKOR ED glass lens
Lens Focal Length	4.5-135.0mm (angle of view equivalent to that of 25-750mm lens in 35mm [135] format)
Lens f/-number	f/3.7-6.4
Lens Construction	13 elements in 11 groups
Lens Zoom	30 x
Digital Zoom	Up to 4x (angle of view equivalent to that of approx. 3,000mm lens in 35mm [135] format)
Vibration Reduction	Combination of Lens-shift VR Electronic VR
Aperture	Electronically-controlled 3-blade iris diaphragm
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	[W]: Approx. 1 ft. 8 in. (50 cm.) to infinity [T]: Approx. 6 ft. 7 in. (2 m.) to infinity Macro mode: Approx. 0.4 in. (1 cm) (wide-angle position) (All distances measured from center of front surface of lens)
Focus Lock	Yes
Monitor	
Monitor Size	3.0 in. diagonal
Monitor Type	Vari-Angle Wide Viewing Angle TFT-LCD with Anti-reflection coating 6-level brightness adjustment
Monitor Resolution	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. 473 MB
<b>Storage File System</b>	DCF EXIF 2.3 compliant
<b>Storage File formats</b>	Still pictures: JPEG Movies: MOV (Video: MPEG-4 AVC/H.264, Audio: LPCM stereo)

## Movie

<b>Movie</b>	Full HD: 1920x1080/ 30p Full HD: 1920x1080/ 25p Full HD: 1920x1080/ 60i Full HD: 1920x1080/ 50i HD: 1280x720/ 30p HD: 1280x720/ 25p HS 1920x1080/ 15p HS 1920x1080/ 12.5p 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>	100
<b>Highest ISO Sensitivity</b>	6400

## Exposure

<b>Exposure Metering</b>	Matrix Center-weighted Spot
<b>Exposure Control</b>	Programmed auto exposure with flexible program aperture-priority auto manual shutter priority auto Exposure compensation (-2.0 to +2.0 EV in steps of 1/3 EV)
<b>Exposure Modes</b>	Aperture-Priority Auto (A) Auto Manual (M) Programmed Auto (P) Scene Scene Auto Selector Smart Portrait Special Effects Shutter-Priority Auto (S)

<b>Scene Modes</b>	Backlighting Beach Close Up Dusk/Dawn Easy Panorama Fireworks Show Food
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	Landscape Night Landscape Party/Indoor Pet Portrait Portrait Scene Auto Selector Snow Sports Sunset Time Lapse Movie
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In-Camera Image Editing	Crop D-Lighting Filter Effects Glamour Retouch Quick Retouch Red-eye Correction Small Picture
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Exposure Compensation	± 2 EV in steps of 1/3
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White Balance	
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White Balance	Auto Cloudy Daylight Flash Fluorescent Incandescent White Balance Preset
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Shutter	
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Shutter	Mechanical and CMOS electronic shutter
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Shutter Speed	1/2000-1 sec. 1/2000-8 sec. (when ISO sensitivity is fixed at ISO 125 or 200 in P, S, A*, or M mode) *When the aperture value is f/5.6-8 at the wide-angle position 1/4000 sec. (maximum speed during high-speed continuous shooting)
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Top Continuous Shooting Speed at full resolution	Up to 5 shots at approx. 7 frames per second
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Continuous Shooting Options	Best Shot Selector Continuous H Continuous H 60 Continuous H 120 Continuous L Interval Timer Pre-shooting cache Single
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Self-timer	Can be selected from 10 or 2 seconds duration
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Flash	
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Built-in flash Range (approx.) (ISO sensitivity: Auto)	[W]: 0.5 to 6.0m (1 ft. 8 in. to 19 ft.) [T]: 1.5 to 3.5m (4 ft.11 in. to 11 ft.)
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Built-In Flash Control	TTL auto flash with monitor preflashes
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Built-In Flash	Yes
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Interface	
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Interface	Hi-speed USB
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Interface Data transfer protocol	MTP PTP
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HDMI Output	HDMI micro connector (Type D)
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I/O terminal	Digital I/O (USB)
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Wi-Fi Functionality	Yes
GPS	Yes (Built-in)

## 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 Portugese (European and Brazilian) Romanian Serbian Spanish Swedish Tamil Telugu Thai Turkish Ukranian Vietnamese
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## Power

Power Sources	One Rechargeable Li-ion Battery EN-EL12 (supplied) AC Adapter EH-62F (available separately)
Charging Time	2 hours 20 minutes (when using Charging AC Adapter EH-71P and when no charge remains) (Approx.)
Battery / Batteries	Rechargeable Li-ion Battery EN-EL12
Battery Life (shots per charge)	Still pictures*: Approx. 300 shots Movies: Approx. 1 hour (1080/30p) *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

Tripod Socket	¼ in. (ISO 1222)
Approx. Dimensions (Width x Height x Depth)	4.5 in. (112.0 mm) x 2.6 in. (66.0 mm) x 1.6 in. (39.5 mm) <i>excluding projections</i>
Approx. Weight	10.2 oz. (289 g) <i>with battery and SD memory card</i>
Operating environment	Temperature: 0 to 40°C (32 to 104°F)