

## ▼ Type

Type	Compact Digital Camera
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## ▼ Image Sensor

Effective Pixels	20.1 million
Image Sensor	CCD
Sensor Size	1/2.3 in.
Total Pixels	20.48 million (approx.)
Image Size (pixels)	5152 x 3864

## ▼ Lens

Lens Focal Length	4.6-23.0mm (angle of view equivalent to that of 26-130mm lens in 35mm [135] format)
Lens f/-number	f/3.2-6.5
Lens Construction	6 elements in 5 groups
Lens Zoom	5x
Digital Zoom	Up to 4x (angle of view equivalent to that of approx. 520mm lens in 35mm [135] format)
Motion Blur Reduction	Electronic VR (still pictures) Motion Detection (still pictures)

Aperture	Electronically controlled ND filter (2.6 A/V) insertion
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## ▼ Autofocus

Autofocus (AF)	Contrast-detect AF
Autofocus (AF) Focus-area selection	Center Face priority
Focus Range	[W]: Approx. 1 ft. 8 in. (50 cm.) to infinity [T]: Approx. 2 ft. 8 in. (80 cm.) to infinity Macro close-up mode: [W]: Approx. 4 in. (10 cm.) to infinity
Focus Lock	Yes
Maximum Autofocus Areas/Points	9 area automatic selection

## ▼ Monitor

Monitor Size	3.0 in. diagonal
Monitor Type	TFT-LCD with 5-level brightness adjustment
Monitor Resolution	230,000-dots
Monitor Frame coverage (shooting mode)	98% horizontal (Approx.) 98% vertical (Approx.)

Monitor Frame coverage (playback mode)		98% horizontal (Approx.) 98% vertical (Approx.)
▼ File System		
Storage Media	SD memory card SDHC memory card SDXC memory card	
Internal Memory	Approx. 27MB	
Storage File System	DCF EXIF 2.3 DPOF compliant	
Storage File formats	Still pictures: JPEG Movies: AVI (Motion-JPEG compliant)	
▼ Movie		
Movie	AVI (video: Motion-JPEG, audio: monaural PCM (22.050 kHz, 16 bits) HD: 1280x720p/ 30fps QVGA 320x240/ 30p VGA: 640x480	
▼ Sensitivity		
ISO Sensitivity	ISO 80-1600 Fixed range auto (ISO 80-400, 80-800)	
Lowest ISO Sensitivity	80	
Highest ISO Sensitivity	1600	
▼ Exposure		
Exposure Metering	Matrix Center-weighted (digital zoom less than 2x) Spot (digital zoom 2X or more)	
Exposure Control	Programmed auto exposure (shutter speed, ND filter selection and ISO sensitivity)	
Exposure Modes	Programmed Auto	
Scene Modes	Back Light Beach Black and White Copy Close Up Dusk/Dawn Food Landscape Museum Night Landscape Night Portrait Panorama Assist Party/Indoor Portrait Snow Sports Sunset	
In-Camera Image Editing	Crop D-Lighting Skin Softening	

Small Picture

Exposure Compensation

± 2 EV in steps of 1/3

▼ White Balance

White Balance

Auto  
Cloudy  
Daylight  
Flash  
Fluorescent  
Incandescent  
Preset Manual

▼ Shutter

Shutter

Mechanical and charge-coupled electronic shutter

Shutter Speed

1/2000-1 sec.  
4 sec. (when scene mode is set to Fireworks show)

Top Continuous Shooting Speed at full resolution

Up to 6 shots at approx. 1.1 frames per second

Continuous Shooting Options

Best Shot Selector  
Continuous  
Multi-shot 16  
Single

Self-timer

10s (approx.)

▼ Flash

Built-in flash Range (approx.) (ISO sensitivity: Auto)

[W]: 0.5 to 4.3m (1ft. 8 in. to 14 ft. 4 in.)  
[T]: 0.8 to 2.1m (2 ft. 8 in. to 6 ft. 10 in.)

Built-in Flash Control

TTL auto flash with monitor preflashes

▼ Interface

Voice Memo Function

No

Interface

Hi-speed USB

Interface Data transfer protocol

MTP  
PTP

Video Output

NTSC  
PAL

▼ Supported Languages

Supported Languages

Arabic  
Chinese (Simplified and Traditional)  
Czech  
Danish  
Dutch  
English  
Finnish  
French  
German  
Greek  
Hindi

## Language

Hungarian  
 Indonesian  
 Italian  
 Japanese  
 Korean  
 Marathi  
 Norwegian  
 Persian  
 Polish  
 Portugese (European and Brazilian)  
 Romanian  
 Russian  
 Spanish  
 Swedish  
 Tamil  
 Telugu  
 Thai  
 Turkish  
 Ukranian  
 Vietnamese

## ▼ Power

<b>Power Sources</b>	Two LR6/L40 (AA-size) alkaline batteries or Two FR6/L91 (AA-size) lithium batteries AC Adapter EH-65A (available separately) Two rechargeable EN-MH2 NiMH batteries (available separately)
<b>Battery / Batteries</b>	AA (Alkaline, NiMH, Oxyride or Lithium) Two LR6/L40 (AA-size) alkaline batteries or Two FR6/L91 (AA-size) lithium batteries
<b>Battery Life (shots per charge)</b>	AA Alkaline: 280 shots AA Lithium: 890 shots EN-MH2: 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 5152 x 3864 (20.1MP). Battery life may vary depending on shooting interval and length of time menus and images are displayed. shots

## ▼ Miscellaneous

<b>Tripod Socket</b>	¼ in.
<b>Approx. Dimensions (Width x Height x Depth)</b>	3.8 in. (95.4 mm) x 2.4 in. (59.8 mm) x 1.2 in. (29 mm) <i>Excluding projections. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
<b>Approx. Weight</b>	5.8 oz. (164 g) <i>With battery and SD memory card. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
<b>Operating environment</b>	Humidity: Less than 85% (no condensation) Temperature: 0 to 40°C (32 to 104°F)