

Specifications

Lens	11 elements in 9 groups plus 1 prism
Focal Length	5.0 mm to 25 mm (equivalent to 28 mm to 140 mm on a 35-mm camera)
Shooting Distance	Normal shooting: Approx. 30 cm to 8 (Wide-angle) or 50 cm to 8 (Telephoto) (from the front of the lens) Macro shooting: Approx. 1 cm to 8 (Wide-angle), 15 cm to 8 (Telephoto) or 1 cm to 8 (Zoom macro mode) (from the front of the lens)
Aperture	F3.5 to F5.5
Number of Effective pixels	Approx. 16.00 million effective pixels
Image Sensor	1/2.3" CMOS (Approx. 16.76 total million pixels)
Zoom	Optical zoom at 5.0 ×, Digital zoom at 4.0 ×, Auto resize zoom at approx. 7.2 × (VGA image)
Focus Modes	Multi AF (using contrast AF)/Spot AF (using contrast AF)/MF/Snap/8 (with AF Auxiliary Light)
Blur Reduction	Digital image stabilizer
Shutter Speed	Still Image: 8, 4, 2, 1 to 1/1500 seconds (The upper and lower limits differ for each shooting mode and flash mode.) Movie: 1/30 to 1/10000 seconds
Exposure Control	Exposure Metering Mode: Multi Light Metering (256 segments)/Center-weighted Light Metering/Spot Metering (TTL metering performed by camera image sensor) Exposure Mode: Program AE Exposure Compensation: Manual exposure compensation (+2.0 to -2.0 EV in 1/3 EV Steps), Auto bracket function (-0.5 EV, ±0, +0.5 EV) Exposure Range (auto mode, center-weighted metering): Wide angle: 1.7-15.4 EV, Telephoto: 3.0-15.6 EV (Exposure range for auto ISO calculated using values for ISO 100.) Note: At 6.0 EV or lower, each drop of 1.0 EV is associated with a 0.25 EV drop in brightness. Brightness drops by no more than 1.0 EV.
ISO Sensitivity	Auto (ISO 100-3200 in normal mode, ISO 100-6400 in high-sensitivity mode), manual (ISO 100-25600)
White Balance	Auto/Outdoors/Cloudy/Incandescent 1/Incandescent 2/Fluorescent/Manual/Ring Light, White balance bracket function
	Flash Mode: Auto flash (fires automatically in low-light conditions and when the subject is backlit)/Anti Red-eye/Flash On/FLASH ON (10M)/Flash Synchro./Flash Off

	Built-in flash Range: Approx. 20 cm to 10.0 m (Wide-angle), approx. 40 cm to 6.2 m (Telephoto) (ISO AUTO/ISO 1600, from the front of the lens) Charging Time: Approx. 8 seconds
Flash	
Displays	3.0" Transmissive LCD, approx. 920,000 dots
Shooting modes	Auto shooting mode/Scene mode (Watermark Options/Movie/High Sens/Firefighting/Skew Correct Mode/Text Mode/Zoom Macro)/My settings modes/CALS mode/DX mode
Picture Quality Mode*1	F(Fine), N(Normal)
Number of Recorded pixels	Still Image: 4608×3456, 4608×3072, 3456×3456, 3648×2736, 2592×1944, 2048×1536, 1600×1200, 1280×960, 640×480 Movie: 1920×1080, 1280×720, 640×480 Text: 4608×3456, 2048×1536
Recording Media	SD, SDHC, and SDXC memory cards (256 GB max.); Eye Fi cards (X2 series); internal memory (approx. 6.5 GB)
File formats	Still Image: JPEG(Exif ver2.3)*2 Movie: MOV (Images: MPEG-4 AVC/H.264; Audio: Linear PCM) Compression Format: JPEG Baseline Format Compliant (photographs); Baseline Profile Level 4.1 Compliant (movies)
Other Major Shooting	Continuous mode, Self-timer (operation time: approx. 10 seconds, approx. 2 seconds), Intervalshooting (shooting interval: 5 seconds to 3 hours, in increments of 5 seconds)*3, AE/AF target shift, Histogram display, Grid guide display, Electronic level
Other Major Playback	Thumbnail view, Enlarged view (maximum 16×), Resize, Contrast Correction, Skew Correction, Trim, Slide show, DPOF
Interface	USB2.0 (High-Speed USB) Micro-B, Mass storage-compatible, HDMI Micro connector (type D)
Battery Life	DB-65: approx. 400 shots AAA alkaline: 40 shots *5 (When [LCD Auto Dim] is set to [On])
Dimensions	118.8 mm × 71.0 mm × 41.0 mm (excluding projections; measured according to CIPA guidelines)
Weight	Approx. 318 g (including memory card and supplied battery) Approx. 290 g (camera only)
Tripod Hole Shape	1/4-20UNC
Date Maintain Time	Approx. 3 days

Operating Temperature	-10°C to 40°C
Operating Humidity	90% or less
Storage Temperature	-20°C~60°C
Water proof / Dust proof	Camera only: JIS/IEC Class 8 water resistance, JIS/IEC Class 6 dust resistance (IP68)

**Consumables and Yields
(Accessories):**

Power Supply	Rechargeable Battery (DB-65): 3.6 V AAA alkaline batteries (×2)