

Specifications [Collapse All](#)

Metrics –

Dimensions (W x H x D)	110.6 x 64.3 x 34.4 mm / (4.35 x 2.53 x 1.35 inch)
Weight	Approx. 214 g without Battery and SD Memory Card (0.472 lb) / Approx. 240 g with Battery and SD Memory Card (0.529 lb)

Optics –

Pixels	
Camera Effective Pixels	18.1 Megapixels
Sensor	
Sensor Size / Total Pixels / Filter	1/2.3-inch High Sensitivity MOS Sensor / Total Pixel Number 18.9 Megapixels / Primary Color Filter
Lens	
Aperture	F3.3 - 6.4 / Multistage Iris Diaphragm (F3.3 - 8.0 (W), F6.4 - 8.0 (T))
Optical Zoom	30x
Focal Length	f = 4.3 - 129mm (24 - 720mm in 35mm equiv.) / (28 - 840mm in 35mm equiv. in 16:9 video recording / Level Shot function Off) / (30 - 900mm in 35mm equiv. in 16:9 video recording / Level Shot function On)
Extra Optical Zoom (EZ)	36.7x (4:3 / 12M), 45.0x (4:3 / 8M), 57.4x (4:3 / 5M), 71.7x (4:3 / under 3M)
Intelligent Zoom	60x
2- Speed Zoom	Yes
Optical Image Stabilizer/Five Axis Correction	HYBRID O.I.S. + (On / Off) / Yes
Digital Zoom	Max. 4x
Conversion Lens Compatibility	-
Focus	
Focusing Area	Normal: Wide 50cm - infinity / Tele 200cm - infinity / AF Macro / MF / Intelligent Auto / Motion Picture: Wide 3 cm - infinity / Tele 200 cm - infinity
AF Assist Lamp	Yes (On/Off)
AF Metering	Face / AF Tracking / 23-area / 1-area (flexible / scalable)
Shutter	
Shutter Speed	Approx. 4 - 1/2,000 sec / Starry Sky Mode: 15, 30 sec
Finder	
Viewfinder	0.20" 1.15 (Live View Finder) (200K dots equiv.) Field of View: Approx. 100% Lens 18.6x / Magnification: Approx. 2.56x / 0.46x (35 mm camera equivalent)

Recording –

File	
File Format	Still Image: JPEG (DCF/Exif2.3) / RAW, DPOF / 3D Image: MPO / Motion Picture: AVCHD, MP4
Recording Modes	
Mode Dial / Mode Button	Intelligent Auto, P, A, S, M, C1 (Custom), C2 (Custom), Panorama Shot, Scene, Creative Control
Creative Control mode	Expressive, Retro, Old Days, High Key, Low Key, Sepia, Dynamic Monochrome, Impressive Art, High Dynamic, Cross Process, Toy Effect, Miniature Effect, Soft Focus, Star Filter, One Point Color (15 filters)
Still Image Scene Mode	Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Handheld Night Shot, Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Glass Through, HDR, Starry Sky, High Speed Video, 3D Photo
Continuous Shooting Mode	Full-Resolution Image: 10 frames/sec, Max. 6 images / with AF Tracking: 5 frames/sec, 2 frames/sec / Intelligent Burst Shooting / High-speed Burst: Approx. 60 frames / sec / (recorded in 2.5M / 0.3M for 4:3, 3M / 0.3M for 3:2, 3.5M / 0.2M for 16:9, 2M / 0.2M for 1:1) / Flash Burst Shooting / Approx. 40 frames / sec / (recorded in 5M / 3M / 0.3M for 4:3, 4.5M / 2.5M / 0.3M for 3:2, 3.5M / 2M / 0.2M for 16:9, 3.5M / 2.5M / 0.2M for 1:1) / Flash Burst Shooting
Motion Picture Recording (*2)	
HD Video	1920 x 1080 pixels, 60p (FHD: 28Mbps / AVCHD) (Sensor Output is 60fps) / 1920 x 1080 pixels, 60i (FHD: 17Mbps / AVCHD) (Sensor Output is 60fps) / 1280 x 720 pixels, 60p (HD: 17Mbps / AVCHD) (Sensor Output is 60fps) / 1920 x 1080 pixels, 30p (FHD: 20Mbps / MP4) (Sensor Output is 30fps) / 1280 x 720 pixels, 30p (HD: 10Mbps / MP4) (Sensor Output is 30fps)
STD Video	640 x 480, 30p (VGA: 4Mbps / MP4) (Sensor Output is 30fps)
High Speed Video	1280 x 720 pixels, 30p (HD: MP4) (Sensor Output is 120fps) / 640 x 480 pixels, 30p (VGA: MP4) (Sensor Output is 240fps)
Continuous recordable time (motion pictures)	
AVCHD	Approx. 75 min (FHD/60p), Approx. 80 min (FHD/60i)
MP4	Approx. 90 min (FHD)
Actual recordable time (motion pictures)	
AVCHD	Approx. 30 min (FHD/60p), Approx. 35 min (FHD/60i)
MP4	Approx. 40 min (FHD)
Exposure Parameters	
Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation	1/3 EV step, +/-2 EV
Auto (AE) Bracketing	1/3-1EV step, Max. +/-1 EV, 3 frames
Light Metering	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity	Auto / i.ISO / 100 / 200 / 400 / 800 / 1600 / 3200/ 6400* (* Extended ISO) / High Sensitivity Mode (ISO1600 - 6400)
Picture Quality	

Still Picture Recording	[4:3] 4896x3672 (18M) / 4000x3000 (12M EZ) / 3264x2448 (8M EZ) / 2560x1920 (5M EZ) / 2048x1536 (3M EZ) / 1640x1280 (0.3M EZ) / [3:2] 4896x3264 (18M) / 4000x2672 pixels (10.5M EZ) / 3264x2176 (7M EZ) / 2560x1712 (4.5M EZ) / 2048x1360 (2.5M EZ) / 1640x1224 (0.3M EZ) / [16:9] 4896x2752 (13.5M) / 4000x2248 (9M EZ) / 3264x1840 (6M EZ) / 2560x1440 (3.5M EZ) / 1920x1080 (2M EZ) / 1640x1360 (0.2M EZ) / [1:1] 3664x3664 (13.5M) / 2992x2992 (9M EZ) / 2448x2448 (6M EZ) / 1920x1920 (3.5M EZ) / 1536x1536 (2.5M EZ) / 1280x1280 (0.2M EZ)
Image Quality	RAW / RAW+Fine / RAW+Standard / Fine / Standard / (3D Mode: MPO+Fine / MPO+Standard)
White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / White Set / White Balance Adjustment (Except Auto)
Photo Style / Film Mode	-
Color Mode / Color Effect / My color	-
Picture Adjustment	-
Aspect Bracketing	-
Other	
Digital Red Eye Correction (Red-Eye Removal)	Yes (On/Off)
GPS	Yes (GPS / GLONASS) / GPS Log
Wi-Fi	IEEE 802.11b/g/n / 2412 MHz – 2462 MHz (1-11 ch) / WPA / WPA2 / Infrastructure Mode / WPS / Wi-Fi Direct / Wi-Fi Button
NFC	ISO/IEC 18092 (NFCIP-1) NFC-F
Zoom in Motion Picture	Yes
Self Timer	2 sec / 10 sec
Self Shot Mode	-

Playback –

Display	
Playback Mode	All, Slideshow, Filtering Play (Picture Only, Video Only, 3D Play, GPS Area Play, Travel, Category Selection, Select Date, Favorite), Calendar
Thumbnails / Zoomed Playback	12,30-thumbnails / Yes
Calendar Display / Dual- Image Playback	Yes (Menu / Zoom Lever) / No
Set Favorites / Rotate Image	Yes / No
Show Histogram	Yes
Show Highlights	-
DPOF Print Setting / Set Protection	Yes / Yes
Edit	
Retouch	Auto Retouch / Creative Retouch
Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / No
Copy / Title Edit / Text Stamp	Yes / Yes / Yes
Cut Animation	Yes
Video Divide	Yes
PictBridge Support	Single / Multi / All / DPOF / Favorites

Setup –

OSD language	English, Spanish
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Others –

Monitor	
LCD Monitor	3.0" (7.5cm) TFT Screen LCD Display (920K dots), AR Coating / Field of View: Approx. 100%, Wide Viewing-angle / Power Monitor mode, AUTO Power Monitor mode
Flash	
Built- in- Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off / 0.6 - 6.4m (Wide / ISO Auto), 2.0 - 3.3m (Tele / ISO Auto)
Media	
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
Built- in- Memory	Approx. 12MB
Audio	
Microphone / Speaker	Stereo / Mono
Power	
Battery life (approx.)	300 pictures (CIPA Standard)*1