Specifications Collapse All

Metrics –

Dimensions (W x H x D)	130.2 x 97.0 x 118.2 mm / (5.13 x 3.82 x 4.65 inch)
Weight	Approx. 562g without Battery and SD Memory Card (1.24 lb) / Approx. 606g with Battery and SD Memory Card (1.34 lb)

Optics –

Pixels	
Camera Effective Pixels	16.1 Megapixels
Sensor	
Sensor Size / Total Pixels / Filter	1/2.3-inch High Sensitivity MOS Sensor / Total Pixel Number 16.8 Megapixels / Primary Color Filter
Lens	
Aperture	F2.8 - 5.9 / Multistage Iris Diaphragm (F2.8 - 8.0 (W), F5.9 - 8.0 (T))
Optical Zoom	60x
Focal Length	f = 3.58 - 215mm (20 - 1200mm in 35mm equiv.) / (22 - 1320mm in 35mm equiv. in video recording)
Extra Optical Zoom (EZ)	75.8x (4:3 / 10M), 108x (4:3 / 5M), 135x (4:3 / under 3M)
Intelligent Zoom	120x
2- Speed Zoom	Yes
Optical Image Stabilizer	POWER O.I.S. (On with Active Mode (only for Motion Picture) / Off)
Digital Zoom	Max. 5x
Conversion Lens Compatibility	Yes
Focus	
Focusing Area	Normal: Wide 30cm - infinity / Tele 150cm - infinity / AF Macro / MF / Intelligent Auto / Motion Picture: Wide 1 cm - infinity / Tele 150 cm - infinity
AF Assist Lamp	Yes (On/Off)
AF Metering	Face / AF Tracking / 23-area / 1-area (flexible / scalable)
Shutter	
Shutter Speed	Still Image: / Approx. 8 - 1/2,000 sec / Starry Sky Mode: 15, 30, 60 sec / Motion Picture: / Approx. 1/30 - 1/20,000 sec / Creative Video Mode: 1/8 - 1/20,000 sec
Finder	
Viewfinder	0.20" Color EVF (202K dots equiv.), Field of View: Approx. 100%, Lens 19.6x

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, Creative Video, C, 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, Panning, Night Portrait, Night Scenery, Handheld Night Shot, / Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Glass Through, HDR, Starry Sky, 3D Photo
Continuous Shooting Mode	Full-Resolution Image: 9 frames/sec, Max. 3 images with AF Tracking: 5 frames/sec, 2 frames/sec / High-speed Burst: Approx. 10 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1) / Flash Burst Shooting
Motion Picture Recording (*2)	
HD Video	1920 x 1080 pixels, 60i (FSH: 17Mbps / AVCHD) (Sensor Output is 30fps) / 1280 x 720 pixels, 60p (SH: 17Mbps / AVCHD) (Sensor Output is 30fps) / 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	-
Continuous recordable time (motion pictures)	
AVCHD	Approx. 160 min (FSH), Approx. 180 min (SH)
MP4	Approx. 160 min (FHD)
Actual recordable time (motion pictures)	
AVCHD	Approx. 80 min (FSH), Approx. 90 min (SH)
MP4	Approx. 80 min (FHD)
Exposure Parameters	
Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation	1/3 EV step, +/-3 EV
Auto (AE) Bracketing	1/3-3EV step, Max. +/-3 EV, 3 frames
Light Metering	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity	Auto / i.ISO / 100 / 200 / 400 / 800 / 1600 / 3200 / (Changeable to 1/3 EV step) / High Sensitivity Mode (ISO1600 - 6400)
Picture Quality	
Still Picture Recording	[4:3] 4608x3456 (16M) / 3648x2736 (10M EZ) / 3072x2304 (7M EZ) / 2560x1920 (5M EZ) / 2048x1536 (3M EZ) / 640x480 (0.3M EZ) / [3:2] 4608x3072 (14M) / 3648x2432 (9M EZ) / 3072x2048 (6M EZ) / 2560x1712 (4.5M EZ) / 2048x1360 (2.5M EZ) / 640x424 (0.3M EZ) / [16:9] 4608x2592 (12M) / 3648x2056 (7.5M EZ) / 3072x1728 (5.5M EZ) / 2560x1440 (3.5M EZ) / 1920x1080 (2M EZ) / 640x360 (0.2M EZ) / [1:1] 3456x3456 (12M) / 2736x2736 (7.5M EZ) / 2304x2304 (5.5M EZ) / 1920x1920 (3.5M EZ) / 1536x1536 (2.5M EZ) / 480x480 (0.2M EZ)

Image Quality	(5.5M EZ) / 1920x1920 (3.5M EZ) / 1536x1536 (2.5M EZ) / 480x480 (0.2M EZ) RAW / RAW+Fine / RAW+Standard / Fine / Standard (3D Mode: MPO+Fine / MPO+Standard)
White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1 / White Set 2 / Color Temperature (2-axis adjustable)
Photo Style / Film Mode	Photo Style: Standard, Vivid, Natural, Monochrome, Scenery, Portrait, Custom
Color Mode / Color Effect / My color	Color Mode (only in iA Mode): Standard, Black & White, Sepia, Happy
Picture Adjustment	Contrast, Sharpness, Saturation, Noise Reduction
Aspect Bracketing	-
Other	
Digital Red Eye Correction (Red-Eye Removal)	Yes (On/Off)
GPS	-
Wi-FI	-
NFC	-
Zoom in Motion Picture	Yes
Self Timer	2 sec / 10 sec / 10 sec (3 images)

Playback –

Display	
Playback Mode	All, Slideshow, Filtering Play (Picture Only, Video Only, 3D Play, Category Selection, 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	Yes
DPOF Print Setting / Set Protection	Yes / Yes
Edit	
Retouch	Auto Retouch / Creative Retouch
Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / Yes
Copy / Title Edit / Text Stamp	Yes / Yes / Yes
Cut Animation	Yes
Video Divide	Yes
PictBridge Support	Single / Multi / All / DPOF / Favorites

Others –

Monitor	
LCD Monitor	3.0" (7.5cm) TFT Screen LCD Display (460K 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 / Flash Synchro: 1st / 2nd Slow Sync. / 0.3 - 13.5m (Wide / ISO Auto), 1.5 - 6.4m (Tele / ISO Auto)
Media	
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
Built- in- Memory	Approx. 200MB
Audio	
Microphone / Speaker	Stereo / Mono
Power	
Battery life (approx.)	400 pictures (CIPA Standard)*1