

Specifications

Camera	
Camera Type	High zoom
Imaging Sensor	
Imaging Sensor	1/2.3" Exmor R® CMOS sensor
Pixel Gross	21.1 MP
Effective Picture Resolution	20.4 MP
Color Filter System	RGB primary color filters
Recording	
Media Type	optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher), optional SDXC Memory Card (Class 4 or higher)
Color Space	RGB
Still Image Max Effective Resolution	Approx. 20.4 Megapixels
Still Image Size 16:9	16:9 mode: 15M (5,184 x 2,920) / 2M (1,920 x 1,080)
Still Image Size 4:3	4:3 mode: 20M (5,184 x 3,888) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA
Panorama Still Image Size	Sweep Panorama: 360 (11,520 x 1,080) / HR (10,480 x 4,096) / Wide (7,152 x 1,080/4,912 x 1,920) / Standard (4,912 x 1,080/3,424 x 1,920)
Video Format	AVCHD Ver2.0 / MP4
Video Mode	AVCHD 60i/60p: 28M PS (1,920x1,080/60p) / 24M FX / 17M FH (1,920x1,080/60i) / 9M HQ (1,440x1,080/60i), MP4: 12M (1,440x1,080/30fps) / 6M (1,280x720/30fps) / 3M VGA (640x480/30fps)
Dual Record	Yes
Audio Format	AC3 (Stereo)
Microphone/Speaker	Stereo / mono
Wind Noise Reduction	Off / On
Optics/Lens	
Lens Type	Carl Zeiss® Vario Sonnar T®
Optical Zoom	50x
Focal Length (35mm equivalent)	Still 4:3: 24-1200mm / Movie 4:3: 32.5-1625mm (SteadyShot Standard) 34.5-2300 (SteadyShot Active) / Still 16:9: 26-1300mm / Movie 16:9: 26.5-1325mm (SteadyShot Standard) 28-1850mm (SteadyShot Active)
Lens Construction	15 elements in 10 groups (including 1 superED glass element, 2 ED glass elements, and 3 aspheric elements)
Minimum Focus Distance	iAuto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx. 240cm (7.87 ft.) to Infinity) / Program Auto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx. 240cm (7.87 ft.) to Infinity)
Steady Shot Mode:Active	Yes
Viewfinder	
Type	None
LCD Display	
LCD Type	3.0" Xtra Fine™ LCD (921K dots) - tiltable
Brightness Control	5 (Bright) / 4 / 3 / 2 / 1 (Dark)
Histogram	Yes (On/Off)
Grid Display	Yes
Focus Control	
AF Modes	Multi Point AF / Center Weighted AF / Spot AF / Flexible Spot AF / Manual / Face Tracking Focus
AF Illuminator	Auto / Off



Exposure System	
Metering Modes	Multi Pattern / Center Weighted / Spot
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step
Scene Mode(s)	High Sensitivity / Soft snap / Soft Skin / Landscape / Night Portrait / Night Scene / Handheld Twilight / Gourmet / Beach / Snow / Fireworks / Pet mode / Anti-motion blur / Backlight Correction HDR / Advanced Sports Shooting
ISO	Auto / 80 / 100 / 125 / 160 / 200 / 250 / 320 / 400 / 500 / 640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200 / 4000*4 / 5000*4 / 6400*4 / 8000*4 / 10000*4 / 12800*4
White Balance Mode	Auto / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push, One Push Set / White Balance Shift
Drive System	
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds	iAuto (4 - 1/4000) / Program Auto (1 - 1/4000) / Aperture Priority (8 - 1/2000) / Shutter Priority (30 - 1/4000) / Manual (30 - 1/4000)
Burst Mode	Approx 10 fps at 20.4MP (Maximum 10 shots)
Flash	
Flash Modes	Auto / Flash On / Slow Synchro / Rear Slow Synchro / Flash Off / Advanced Flash
Flash Coverage	ISO Auto: Approx. 0.5m to 8.5m (1.64 ft. to 27.89 ft.) (W) / Approx. 2.4m to 3.5m (7.87 ft. to 11.48 ft.) (T), ISO3200: up to Approx. 12.0m (39.37 ft.) (W) / Approx. 5.1m (16.73 ft.) (T)
Convenience Features	
Red-Eye Reduction	Auto / On / Off
Erase/Protect	Erase: Single / Select / Date / Folder / AVCHD Protect: Single / Select / Date / Folder / AVCHD
Power Save Mode	Standard / Max / Off
Advanced Features	
Anti Motion Blur	Yes
Sweep Panorama	Intelligent Sweep Panorama (360)
Face Detection	8 faces
Smile Shutter™ technology	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization with 3-way Active mode
In-Camera Editing	Retouch / Trimming / Red Eye Correction / Unsharp Masking / Date View
Intelligent Auto	Yes
Background Defocus	Yes
Superior Auto	Yes
Tracking Focus	Off / Auto
Blink Detection	Yes
Interface	
Memory Card Slot	MS Duo and SD/SDHC compatible
HD Output	Micro HDMI
USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)
Weights and Measurements	
Dimensions (Approx.)	W x H x D: 5 1/8" x 3 3/4" x 4 1/8" (129.6 x 93.2 x 103.2mm)
Weight (Approx.)	1lb 6.9oz (650g)
Weight(Approx) (Main unit only)	1lb 6.0oz (623g)
Power	
Battery Type	LITHIUM ION NP-BX1 3.6V
Battery Capacity	4.5Wh (1240mAh)
Power Consumption (in Operation)	Approx. 1.3W (EVF: Approx. 1.1W)
Power Requirements	AC 100V to 240V, 50/60 Hz, 70mA