

<b>Image Sensor</b>		<b>Movie Recording System</b>	
Effective pixels	12 Megapixels	Recording format	QuickTime Motion JPEG®
Filter array	Primary colour filter (RGB)	Image Stabilisation Mode	Multi-motion Movie IS
Full resolution	12.7 Megapixels	HD Movie quality	1080P Recording time: 29min. 720P Recording time: 29min.
Type	1/2.3" CMOS	Movie quality	VGA Recording time: Up to card capacity QVGA Recording time: Up to card capacity Note: maximum file size 4GB When shooting 1080P/720P movies, use SDHC / SDXC class 6 or higher.
<b>Lens</b>		Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Water color, Reflection, Miniature, Dramatic
Optical zoom	5x (WIDE)	<b>Sound Recording System</b>	
Focal length	5.0 - 25.0mm	Voice playback	Yes
Focal length (equiv. 35mm)	28 - 140mm	Sound recording	Yes, format: PCM
Structure	11 lenses / 8 groups	Internal microphone	Yes
Aspherical glass elements	4	Image footage	4s
ED glass elements	2	Speaker	Yes
Maximum aperture	3.9 - 5.9	<b>Memory</b>	
<b>Digital Zoom</b>		Removable Media	SD / SDHC / SDXC (UHS speed class not supported)
Enlargement factor	4x / 20x	Internal memory	46.8MB
Super Resolution Zoom	2x / 10x	Eye-Fi Card compatible	Yes
<b>Monitor</b>		<b>Image Size</b>	
Monitor type	HyperCrystal III LCD	12M	3968 x 2976
Monitor size	7.6cm / 3.0"	8M	3264 x 2448
Resolution	1030000 dots	5M	2560 x 1920
Brightness adjustment	+/- 2 levels	3M	2048 x 1536
Frame assistance	Yes	2M	1600 x 1200
Protection panel	Yes	1M	1280 x 960
<b>Focusing System</b>		VGA	640 x 480
Method	TTL iESP auto focus with contrast detection	16:9	3968 x 2976 1920 x 1080
Modes	iESP, Face Detection AF, Spot, AF Tracking	<b>View Images</b>	
Standard mode	0.6m - ∞ (wide) / 0.6m - ∞ (tele)	Modes	Single, Index, Zoom, Slide show, Event, Photo Surfing
Macro mode	0.2m - ∞ (wide) / 0.5m - ∞ (tele)	Index	5 x 4 frames
Super Macro mode	Closest focusing distance: 3cm	Zoom	Yes, 1.1 - 10x
<b>Light Metering</b>		Auto rotation	Yes
Histogram in shooting mode	Yes	Image protect mode	Yes
Modes	ESP light metering, Spot metering	Histogram in playback mode	Yes
<b>Exposure System</b>		<b>View Movie</b>	
Shutter speed	1/4 - 1/2000s / < 4s(Night scene)	Modes	Frame by frame, Fast forward, Reverse playback
Exposure compensation	+/- 2EV / 1/3 steps	<b>Internal Flash</b>	
Enhancement function	Mechanical Image Stabiliser Advanced Face Detection Technology Shadow Adjustment Technology Pet Detection	Modes	AUTO, Red-eye reduction, Fill-in, Off
Modes	i-Auto, Programme automatic, Magic Filter, Panorama, Scene Modes, Movie, Beauty & Make-up	Working range (wide)	0.2 - 3.3 m (ISO 800)
<b>Scene Modes</b>		Working range (tele)	0.5 - 2.1 m (ISO 800)
Number of scene modes	22	<b>Power Supply</b>	
Modes	Portrait, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Underwater Snapshot, Underwater Wide 1, Underwater Wide 2, Underwater Macro, Pet (cat), Pet (dog), Snow, 3D, Backlight HDR	Battery	LI-50B Lithium-Ion Battery
<b>Magic Filter</b>		Internal Charging	Yes
Types	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle, Water color, Reflection, Miniature, Fragmented, Dramatic	<b>Interface</b>	
<b>Sensitivity</b>		HDMI™	Yes, Micro connector (Type D)*
Auto	AUTO / High AUTO	SNS upload	Yes
Manual	ISO 100, 200, 400, 800, 1600, 3200, 6400	DC input	Yes
<b>White Balance</b>		Combined A/V & USB output	Yes
AUTO WB system	Yes	USB 2.0 High Speed	Yes
Preset values	Overcast, Sunlight, Tungsten, Underwater, Fluorescent 1	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.	
One-touch white balance	1 custom settings can be registered		
<b>Sequence Shooting</b>			
Sequential shooting mode (high speed)	60 fps / 100 frames (in 3MP mode)		
	15 fps / 100 frames (in 3MP mode)		
Sequential shooting mode	5 fps / 25 frames (Full Image Size)		
<b>Image Processing</b>			
Pixel mapping	Yes		
Noise reduction	Yes		
Engine	TruePic VI		
Distortion compensation	Yes		
Shading compensation	Yes		
Image Editing	Resize, Trimming, Correction of saturation, Beauty Fix, Red-eye reduction, Shadow Adjustment		

#### Other Features

Shock resistant	Shock-proof from heights of up to 2m *
Waterproof	Waterproof up to a water pressure equivalent to 10m depth **
Freezeproof	Freezeproof up to -10°C ***
Crushproof	Crushproof up to 100kg ****
Dustproof	Yes
Scratchproof	Yes
Tap Control	Yes
Manometer	Yes
Perfect Shot Preview	Yes
Panorama function	In-Camera Panorama
Self timer	2 / 12 s Pet auto shutter
Menu guide	Yes
In-camera Manual	Yes
Photo Surfing	Yes
Date imprint	Yes
LED Illuminator	Yes

\* Equivalent to MIL Standard (Olympus test conditions)

\*\* According to IEC standard publication 529 IPX8

\*\*\* According to Olympus test conditions

\*\*\*\* According to IEC standard publication 529 IPX6

#### Size

Dimensions (W x H x D)	101.4 x 65.2 x 26.0mm
Weight	206g (including battery and memory card)