



Digital Camera
OPTIMA 145

- 14.1 MP
- 5x Optical Zoom with Image Stabilization
- 2.7" Auto Brightness LCD
- Embedded features:
 - Face, Smile and Blink Detection
 - Red Eye Removal
 - Pan Capture Panorama
 - One-Click Upload

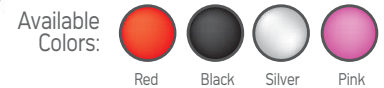
**Engineered
for
Performance**



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Active Image Sensor Pixels	14.1 Megapixels	
Image Sensor	14.48 Megapixels [1 / 2.3" Charge Coupled Device (CCD)] (SONY ICX631SQW)	
Lens	Focal Length F =	5.1 mm (Wide) – 25.5 mm (Tele)
	[35 mm film equivalent]	[28 mm (Wide) – 140 mm (Tele)]
	F number	f / 3.5 (Wide) – f / 5.2 (Tele)
	Lens Construction	10 elements in 10 groups
	Optical Zoom	5x
Focusing Range	Normal: (Wide) 23.6 in. ~ infinite / 60 cm ~ infinite, (Tele) 39.3 in. ~ infinite / 100 cm ~ infinite Macro: (Wide) 1.9 in. ~ infinite / 5 cm ~ infinite	
Anti-Handshake	Digital Image Stabilization	
Digital Zoom	6x Digital Zoom (Combined Zoom: 30x)	
Number of Recording Pixels		
Still Image	14MP: 4320X3240, (3:2) 12MP: 4320X2880, (16:9) 10MP: 4320X2432, 8MP: 3264X2448, 5MP: 2592X1944, 3MP: 2048X1536, 0.3MP: 640X480	
	Movie	1280x720 pixels: 30 fps / 15 fps, 640X480 pixels: 30fps / 15fps, 320X240 pixels: 30fps / 15fps
Image Compression	Best, Fine, Normal	
DCF, DPOF (Ver1.1) Support	Yes	
File Format	Still Image	Exif 2.2 (JPEG)
	Movie	Movie Format: MOV (Motion JPEG), Audio: G.711 (Monaural)
Shooting Modes	Auto, Manual, ASCN, Panorama, Scene (Sport, Landscape, Children, Indoor, Leaf, Beach, Text, Party, ID, Fisheye, Panning Shot, Photo Frame, Sketch Snow, Sunset, Fireworks, Glass, Museum, Night Landscape, Night Portrait.), Imaging Stabilization, Movie, Portrait	
Detection Features	Face, Smile, Blink	
Red-eye Removal	Yes	
LCD Display	2.7 inch (234,400 pixels) TFT-LCD Auto Adjust Brightness LCD	
ISO Sensitivity	Auto, ISO80 / 100 / 200 / 400 / 800 / 1600	
AF Method	Single AF, Multi-AF (TTL 9-point), Face-Detection + Face AE, AF Assist Light (On / Off)	
Exposure Metering Method	Artificial Intelligence AE (Ai AE), Center-weighted Average, Spot (Fixed to center of frame)	
Exposure Control Method	Program AE (AE-lock available)	
Exposure Compensation	± 2 EV in 1/3 Step increments	
Shutter Speed	4 ~ 1/2000 seconds (Manual: 30 seconds)	
Continuous Shooting	Approx. 1.39 fps (Large / Fine Mode)	

Playback Modes	Single Photo, Index (4 / 9 / 16 thumbnails), Slide Show, Movie (Slow-Motion possible), Data Photo Zoom (Approx. 2x ~ 8x), Audio, Histogram Display
White Balance Control	Auto (AWB), Daylight, Cloudy, Fluorescent, CWF, Incandescent, Manual
Internal Flash (Shooting Range)	Auto, Red-Eye Reduction, Forced Flash, No Flash, Slow Synchro, Red-Eye Reduction + Slow Synchro Gno. 5.0 (ISO 100 D=1.5m) Shooting Range: (Wide) Approx 23.6 in. ~ 112.29 in. / Approx. 0.6 m ~ 2.85 m (ISO 400) (Tele) Approx. 31.5 in. ~ 75.64 in. / Approx. 0.8 m ~ 1.92 m (ISO 400)
Recording Media	Internal memory: 64MB SD Card / SDHC Card (Up to 16GB support) *1
Other Features	PictBridge, ExifPrint Support, Multi-language Support (26 languages)
Jacks	USB2.0 *2 / AV-OUT (Integrated Proprietary Connector)
Power	In Camera Rechargeable Lithium-Ion Battery GB-10 700mAh
Shooting Capability (Battery Performance)	Approx. 180 shots (based on CIPA Standards)
Operation Environment	Temperature: 32 ~ 104 F / 0 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W x H x D)	97.7mmx60.5mmx21.58~24mm
Mass	138g (Body only)
Supplied Accessories	Rechargeable Lithium-Ion Battery, AC Adaptor, USB Cable Wrist Strap, CD-ROM Quick Start Guide, Feature Guide, Warranty Card



*1: Nonsupport MMC Card *2: 5pin Macro USB

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