



Digital Camera

OPTIMA 103

12.0
MP

4X
Optical
zoom

Wide
angle

2.7"
LCD

Smile
detection

Face
tracking

Blink
detection

Red eye
removal

HDR
Image

Li-Ion
battery

Metal
body

- 12.0 MegaPixel CCD sensor
- 4x wide angle optical zoom
- 2.7" TFT LCD display
- 28 scene modes
- OSD help-screen
- HDR images (High Dynamic Range)
- Metal body



OPTIMA 103

Technical details

- 12.0 MegaPixel CCD sensor
- 4x wide angle optical zoom
- 2.7" TFT LCD display
- 28 scene modes
- On-screen editing
- OSD help-screen
- HDR images (High Dynamic Range)
- Metal body



Image sensor

Sensor 12.0 MegaPixel CCD sensor

Optics

Lens type 6 elements in 5 groups
 Focal length $f = 5.05$ (W) ~ 20.2 (T) mm
 Equivalent to 35mm camera 28 (W) ~ 112 (T) mm
 Brightness F/ 2.8 (W), 6.3 (T)
 Shutter speed 1/2000 ~ 1 sec.

Zoom

Optical zoom, digital zoom 4x, 5x

Focusing

Focus range (normal) 70 cm ~ infinity (W), 100 cm ~ infinity (T)
 Focus range (macro) 12 cm ~ 100 cm (W), 70 cm ~ 120 cm (T)

Exposure

Exposure compensation -2 EV to +2 EV in 1/3 steps, (-2.0, -1.7, -1.3, -1.0, -0.7, -0.3, 0.0, +0.3, +0.7, +1.0, +1.3, +1.7, +2.0)
 Exposure metering Center-weighted, multi, spot
 Exposure control Automatic/ manual
 ISO Auto, 100, 200, 400, 800, 1600, 3200
 White balance Automatic, daylight, cloudy, tungsten, fluorescent_H, fluorescent_L, customer

LCD

Display 2.7" TFT LCD display
 Resolution 960 (W) x 240 (H)

Memory

Memory (internal) 32 MB
 Memory (external) SD card: up to 4 GB; SDHC card: up to 32 GB

Resolution

Still image 4000 x 3000, 4000 x 2672 (3:2), 3264 x 2448, 2592 x 1944, 2048 x 1536, 1920 x 1080 (16:9), 640 x 480 (VGA)
 Video 1280 x 720 (16:9) only supported SDHC Class (6), 640 x 480 (share YouTube®), 320 x 240
 Video frame rate 30 fps

File formats

Still image JPEG (EXIF 2.2 compatible), DCF format, DPOF compatible
 Video MIPEG w/audio
 Audio WAV

Flash modes

Flash light Automatic, red eye reduction, slow sync, on/ off

Scene modes

Scene modes PASM, automatic, intelligent scene, portrait, landscape, sunset, backlight, kids, night scene, fireworks, snow, sports, party, candlelight, night portrait, soft skin, soft flowing water, food, building, text, foliage, auction, smile detection, blink detection, pre-composition, love portrait, self portrait, HDR image, voice recording

Interfaces

USB 2.0 Full speed
 TV out PAL/ NTSC

Power source

Power supply Lithium-ion battery (NP45)
 Auto power off 1 min., 3 min., 5 min.

Others

Camera dimensions 91.5 x 57.7 x 17.1 mm
 Body Metal
 Weight 100 g

Accessories

Accessories USB cable, lithium-ion battery, battery charger, power cord (EU), hand strap, CD software, quick guide

Logistics

Item number 06966
 Bar code 4004781069665
 UPC code 884375069660
 Packaging size 185 x 146 x 78 mm
 Packaging unit 5
 Weight (packaging) 600 g
 Weight (packaging unit) 3.36 kg
 Dimensions (packaging unit) 412 x 164 x 215 mm

Dealer stamp

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