



Digital Camera

## OPTIMA 102



- 12.0 MegaPixel CCD sensor
- 3x optical zoom, 5x digital zoom
- 3.0" TFT LCD display
- Face tracking
- Digital stabilizer
- Smile & blink detection



# OPTIMA 102

## Technical details

- 12.0 MegaPixel CCD sensor
- 3x optical zoom, 5x digital zoom
- 3.0" TFT LCD display
- Face tracking
- Digital stabilizer
- Smile & blink detection
- Intelligent scene
- HD image resolution (1920 x 1080)



### Image sensor

Sensor 12.0 MegaPixel CCD sensor

### Optics

Lens type 6 elements in 5 groups  
 Focal length  $f = 6.2$  (W) ~  $18.6$  (T) mm  
 Brightness F/ 3 (W), 5.6 (T)  
 Shutter speed 1/2000 ~ 8 sec.

### Zoom

Optical zoom, digital zoom 3x, 5x

### Focusing

Focus range (normal) 80 cm ~ infinity (W/T)  
 Focus range (macro) 5 cm ~ 100 cm (W), 30 cm ~ 100 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, 6400 (VGA)  
 White balance Automatic, daylight, cloudy, tungsten, fluorescent\_H, fluorescent\_L, customer

### LCD

Display 3.0" 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  
 Video 720 x 400 (16:9), 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 MJPEG w/audio  
 Audio WAV

### Flash modes

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

### Scene modes

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

### Interfaces

USB 2.0 Full speed  
 TV out PAL/ NTSC

### Power source

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

### Others

Camera dimensions 90 x 56.8 x 18.8 mm  
 Body Metal  
 Weight 105 g

### Accessories

Accessories USB/ AV cable, pouch, lithium-ion battery, battery charger, power cord, hand strap, CD software, quick guide

### Logistics

Item number 06942  
 Bar code 4004781069429  
 UPC code 884375069424  
 Packaging size 87 x 161 x 225 mm  
 Packaging unit TBD  
 Weight (packaging) TBD  
 Weight (packaging unit) TBD  
 Dimensions (packaging unit) TBD

Dealer stamp

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