

Olympus EVOLT E-510

As with the E-410 model it is announced alongside, the Olympus EVOLT E-510 offers rather more "traditional" styling than some of the past EVOLT line, but the two don't share identical bodies. Instead, the E-510 is a few millimeters wider and offers a significantly deeper handgrip that adds to the camera's thickness, but should offer a comfortable hand-hold. The larger body also allows more room to fit in a larger battery, with an attendant increase in battery life as compared to the E-410.

{tab=overview}

The Olympus E-510 uses a fixed eye-level pentamirror with a 95% field of view. The E510's LCD displays a high resolution 2.5" wide-view LCD with a 230,000 pixel resolution. As with the previous E-330 model, the E-510 allows images to be framed on the LCD display. Where the E-330 could do this in two different ways (each with certain limitations), the E-510's live view function comes solely courtesy of its ten megapixel Live MOS image sensor. This does mean that autofocus isn't possible without first dropping the reflex mirror, briefly interrupting the live view for the duration of the autofocus process. Still, that small limitation aside, Olympus has certainly found many fans of the ability to have a live LCD preview comparable to those found on compact cameras. The Olympus EVOLT E510 stores images either on xD-Picture cards, or on CompactFlash cards (Type-I or Type-II, inclusive of Microdrives).

The EVOLT E-510 couples its ten effective megapixel N-MOS image sensor with the same Four Thirds lens mount used in previous E-series digital SLRs, and compatible with lenses from all Four Thirds manufacturers. The image sensor is mounted on a platter allowing movement in two directions, so as to mechanically correct for camera shake in longer exposures. Other EVOLT E-510 features include a 49-segment iESP metering system, plus center-weighted average, spot, and two further spot metering modes called "Highlight Spot" and "Shadow Spot". These latter two modes basically bias the camera's metering system for predominantly bright or dark subjects, which would otherwise be incorrectly exposed since spot metering systems aim to expose the metered area as 18% grey.

As you'd expect, the E-510 retains Olympus' unique Supersonic Wave Filter, which couples a high-frequency vibration of the imager to remove dust from its surface, plus a range of seals to stop movement of dust through the camera body. The E-510 also includes the latest iteration of Olympus' TruePic image processor. Dubbed TruePic III, the new processor is said to offer a one stop reduction in image noise over past variants at higher ISO sensitivities, and today's new EVOLTs are the first cameras to include the technology. Other benefits of TruePic III are said to include faster connectivity, faster flash card write speeds, faster startup, and improved image quality (detail, color accuracy, and color transitions).

The Olympus EVOLT E-510 will ship in June 2007, with pricing set at \$799 body-only - a \$100 premium over its sibling the E-410, which seems fair for a camera offering in-body stabilization on all lenses. A kit including an ED 14-42mm f3.5/5.6 Zuiko Digital zoom lens will cost \$899, while a second kit including the same lens plus an ED 40-150mm f4.0/5.6 Zuiko Digital zoom lens will hit the market priced at \$999 - impressively arriving at just under the magic \$1000 point. Both lenses are new releases, and photos of each can be found in the press release at the end of this item.

{tab=specification}

Links

Model Name:
Olympus EVOLT E-510

Check Prices:
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Photo Gallery URL:

Device Forum URL:

Manufacturer URL:
Mfr. Website

General

Model Number:
E-510

Camera Format:
SLR

Currently Manufactured:
Yes

Retail Price:
\$899.00

Street Price:
\$933.32

Date Available:
2007-06-30

Tripod Mount:
Yes

Weight:
460g

16.1oz

Weight With Batteries?
No

Size:

136 x 92 x 68 mm

5.4 x 3.6 x 2.7 in

Image Capture

Image Resolution:

3648x2736, 3200x2400, 2560x1920, 1600x1200, 1280x960

Continuous-mode frames/second:

Movie Resolution:

Movie Frame Rate:

0.00, 0.00

Movie Audio:

CCD Sensor (Megapixels):

10.00

CCD Size (inches):

Four Thirds

Focal Length Multiplier:

n/a

Lens

Focal Length (35mm equivalent):

28 - 84 mm

Zoom Ratio:

3.00x

Digital Zoom:

No

Digital Zoom Values:

n/a

Auto Focus:

Yes

Auto Focus Assist Light?

Yes

Manual Focus:

Yes

Normal Focus Range:

25 cm to Infinity

9.8 in to Infinity

Macro Focus Range:

Aperture Range:

f/3.5 - f/22 (W), f/5.6 - ?? (T)

Lens Thread:

58mm

Lens Thread Type:

Display

Optical Viewfinder:

Yes

LCD Viewfinder:

Yes

LCD Size (inches):

2.5

LCD Resolution (pixels):

230,000

Max Playback Zoom:

10.00x

Exposure

ISO Settings:

100, 1600

White Balance Settings:

Auto, Lamp, Fluorescent 1, Fluorescent 2, Fluorescent 3, Daylight, Cloudy, Shade, Custom, One-Touch

Shutter Speed Range:
60 - 1/4000

Exp Adj Range (EV):
+/- 5.0EV in 0.3EV steps

Metering Modes:
49-zone Digital ESP, Center Weighted Average, Spot/ Highlight Spot/ Shadow Spot (Spot Approx. 1%)

Aperture Priority:
Yes

Shutter Priority:
Yes

Full Manual Exposure:
Yes

Self Timer:
2 or 12 seconds

Flash

Internal Flash:
Yes

Flash Modes:
Auto, Red-eye reduction, Red-eye reduction slow sync., Fill-in, Slow synchronization, Manual, Off.

Flash Guide Number (Meters):
12

Flash Range Description:

Ext Flash Connection:
Hot Shoe

Image Storage

Usable Memory Types:
CF1 / CF2 / Microdrive / xD

Memory Included (MB):

Uncompressed Format:

RAW (.ORF)

CCD Raw Format:
Yes

Movie File Format:

Connectivity

Video Out:
Yes

Video Mode (NTSC/PAL):
Yes

Video Usable as Viewfinder:

External Connections:
USB 2.0 High Speed

Other Connection:
Dedicated multi-connector (Video: NTSC/PAL, Optional Remote cable RM-UC1 is available)

Included Software:
OLYMPUS Master Software CD-ROM

OS Compatibility:

Power

Battery Form Factor:
Proprietary BLM-1

Usable Battery Types:
Lithium Ion rechargeable

Batteries Included:
1 x Proprietary BLM-1 Lithium Ion rechargeable

Battery Charger Included:
Yes

Notes & Features:

Special features: Mechanical Image Stabilization, Live View LCD, Dust Reduction system. Estimated Street Price: EVOLT E-510 body: \$799 EVOLT E-510 with ED 14-42mm f3.5/5.6 Zuiko Digital Zoom Lens: \$899 EVOLT E-510 with both ED 14-42mm f3.5/5.6 and ED 40-150mm f4.0/5.6 Zuiko Digital Zoom Lens: \$999

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