

# Olympus E-520 Specifications

Model Name: Olympus E-520

Prices: [Compare Prices](#)

Manufacturer URL: [Manufacturer website](#)

Predecessor:

Successor:

## General

Model Number: E-520

Alternate Model Number(s):

Camera Format: SLR

Currently Manufactured: No

Retail Price: \$699.99

Street Price:

Date Available: 2008-07-15

Tripod Mount: Yes

Weight: 19.4 oz (550 g)

includes batteries

Size: 5.4 x 3.6 x 2.7 in.  
(136 x 91 x 68 mm)

Waterproof: No

Waterproof Depth: n/a

### Image Sensor

Sensor Type: Live MOS

Sensor Manufacturer:

Effective Megapixels: 10.0

Sensor Format: 4/3

Sensor size: 224.9mm<sup>2</sup> (17.3mm x 13mm)

Approximate Pixel Pitch: 4.74 microns

Focal Length Multiplier: 2.0x

Aspect Ratio: 4:3

Color Filter Type: RGBG

Anti Aliasing Filter: Fixed

Self-Cleaning: Yes

Sensor shift image stabilization: Yes

On-Sensor Phase Detect: No

DxO Sensor Score: 55

DxO Color Depth Score (bits): 21.4

DxO Dynamic Range Score (evs): 10.4

DxO Maximum Effective ISO Score (iso): 548

#### Image Capture

Image Resolution: 3648 x 2736 (10.0 MP, 4:3),  
3200 x 2400 (7.7 MP, 4:3),  
2560 x 1920 (4.9 MP, 4:3),  
1600 x 1200 (1.9 MP, 4:3),  
1280 x 960 (1.2 MP, 4:3),  
1024 x 768 (0.8 MP, 4:3),  
640 x 480 (0.3 MP, 4:3)

Image File Format: JPEG (EXIF 2.2), 12-bit RAW (.ORF)

Continuous-mode frames/second: 3.5

#### Video Capture

Can take movies: No

Movie Resolution:

Movie File Format:

Composite Video Out: Yes

NTSC/PAL Switchable Video: Yes

Video Usable as Viewfinder:

HD Video Out:

HD Video Connection:

#### Lens & Optics

Lens Mount: Four Thirds

Lens: Olympus 14-42mm f/3.5-5.6 Zuiko Digital

Focal Length (35mm equivalent): 28 - 84mm

Focal Length (actual): 14 - 42mm

Zoom Ratio: 3.00x

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

Integrated ND Filter: No

Normal Focus Range: 25 cm to Infinity  
9.8 in to Infinity

Macro Focus Range:

Filter Thread: 58.0mm

Thread Type: n/a

Optical Image Stabilization: No

Digital Zoom: No

Digital Zoom Values: n/a

#### Auto Focus

Auto Focus: Yes

Auto Focus Type: 3-point TTL Phase Difference Detection, 11-point Contrast Detect in Live View mode

Auto Focus Assist Light? Yes

Manual Focus: Yes

#### Viewfinder

Viewfinder: Optical / LCD

Viewfinder Type: SLR type; fixed eye-level pentamirror, 95% coverage, 0.92x mag., 14mm eyepoint, -3.0 to +1.0 diopt.

Focus Peaking: No

EVF Resolution: n/a

Viewfinder Magnification (35mm equivalent): 0.46x

Viewfinder Magnification (nominal/claimed): 0.92x

## Display

Eye-level Viewfinder: Yes

Rear Display: Yes

Rear Display Size (inches): 2.7

Rear Display Resolution: 230,000 dots

Touchscreen: No

Articulating Screen: No

Tilt Swivel Screen: No

Selfie Screen: No

Max Playback Zoom: 14.0x

Top Deck Display: No

## Exposure

Maximum ISO (native):	1600
Minimum ISO (native):	100
ISO Settings:	Auto, 100 - 1600 (1/3EV steps)
Auto ISO Mode:	Yes
White Balance Settings:	Auto, Lamp, Fluorescent 1, Fluorescent 2, Fluorescent 3, Daylight, Cloudy, Shade, Flash, Custom, One-Touch
Shutter Speed Range:	60 - 1/4000
Bulb Mode:	Yes
Exposure Compensation:	+/- 5.0EV in 0.3EV steps
Metering Modes:	49-zone Digital ESP, Center Weighted Average, Spot / Highlight Spot / Shadow Spot (Spot Approx. 2%)
Program Auto Exposure:	Yes
Aperture Priority:	Yes
Shutter Priority:	Yes
Full Manual Exposure:	Yes
Creative Exposure Modes:	Portrait, Landscape, Landscape + Portrait, Night Scene, Night + Portrait, Children, Sport, High Key, Low Key, DIS mode, Macro, Nature Macro, Candle, Sunset, Fireworks, Documents, Panorama* (* Available with the Olympus xD-Picture Card), Beach & Snow, Underwater Wide, Underwater Macro

Self Timer: 2 or 12 seconds

Time Lapse (intervalometer):

High Resolution Composite: No

## Flash

Built-in Flash: Yes

Flash Modes: Auto, Red-eye reduction, Red-eye reduction slow sync., Slow sync at 1st curtain, Slow sync at 2nd curtain, Fill-in, Manual (1/4, 1/16, 1/64), Off.

Flash Guide Number (ISO 100): 12.0 m / 39.4 ft.

Flash Range Description: Depends on lens aperture

Max Flash Sync: 1/180

Flash Exposure Compensation: +/- 2.0 EV in 0.3EV steps

External Flash Connection: Hot Shoe, Wireless

Built-In Wireless Flash Control:

## Image Storage

Usable Memory Types: CF1 / CF2 / Microdrive / xD

UHS Support:



Other Memory:

Dual Card Slots: No

RAW Capture Support: Yes

Uncompressed Format: 12-bit RAW (.ORF)

Movie File Format:

Included Memory: No memory included

Included Memory Type:

#### Connectivity

Built-In Wi-Fi: No

NFC: No

Bluetooth: No

Built-In GPS: No

Microphone Jack: No

Headphone Jack: No

External Connections: USB 2.0 High Speed

PictBridge Compliant: Yes

DPOF Compliant: Yes

Remote Control: Yes

Remote Control Type: RM-UC1 cable or RM-1 IR

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

### Performance Timing

Cycle time for JPEG shooting in single shot mode (seconds per frame, max resolution): 0.51

Cycle time for RAW shooting in single shot mode (seconds per frame): 0.51

Buffer size for RAW shooting in single shot mode (frames): 14

Cycle time for RAW+JPEG shooting in single shot mode (seconds per shot):

Camera penalizes early shutter press? No

JPEG shooting speed in burst mode (fps, max resolution): 3.5

Buffer size for JPEG shooting in burst mode (frames, max resolution): 12

RAW shooting speed in burst mode (fps):

Buffer size for RAW shooting in burst mode (frames):

RAW+JPEG shooting speed in burst mode (fps):

Buffer Size for RAW+JPEG shooting in burst mode (frames):

Shutter lag (full AF, wide/mid): 0.14 seconds

Shutter lag (full AF, tele): 0.13 seconds

Shutter lag (full AF, live view - DSLR):

Shutter lag (prefocused, live view - DSLR):

Shutter Lag (manual focus): 0.115 seconds

Shutter lag (full AF, with flash): 0.19 seconds

Shutter Lag (prefocused): 0.080 seconds

Shutter Lag (notes): Live View Full Autofocus: Imager AF = 2.548s AF Sensor = 0.718s Hybrid AF = 1.256s  
Live View Prefocused: Imager AF = 0.566s AF Sensor = 0.548s Hybrid AF = 0.551s

Startup Time: 1.4 seconds

Play -> Record Time: 0.3 seconds

Flash cycle time, full power: 3.4 seconds

## Power

Battery Life, Stills (CIPA Rating  
Monitor/Live View):

Battery Life, Still (CIPA Rating OVF/EVF): 650 shots

Battery Life, Video:

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 (dedicated  
charger or AC/USB adapter): Yes

Dedicated Battery Charger Included:

Internal Charging Supported:

## Software

Included Software: OLYMPUS Master Software CD-ROM

OS Compatibility: MS Windows, Mac OS

## Miscellaneous

Notes & Features: Enhanced 3-mode In-Body Image Stabilization, Live View, New and Improved HyperCrystal II LCD, Face Detection Technology, Shadow Adjustment Technology,

Perfect Shot Preview, Wireless Flash support.