

## E-520

Versatile DSLR with Built-In Image Stabiliser and Autofocus Live View for great images

Name:	Item-no:	EAN code:
E-520 Body	N3126492	4 545350 01610-4
E-520 Kit	N3126592	4 545350 01610-4
E-520 Double Zoom Kit	N3126792	4 545350 01617-3
E-520 Tele Double Zoom Kit	N3126892	4 545350 01620-3
E-520 SE Kit	N3126692	4 545350 01613-5

### Main information

- Built-in image stabiliser for all lenses
- Comfortable viewing with Autofocus Live View
- Excellent dust reduction system
- 100% D-SLR quality
- Professional functions
- 6.9cm / 2.7" HyperCrystal II LCD
- 10 Megapixel Live MOS sensor
- 3.5fps with up to 8 images in RAW buffer
- Built-In flash and wireless flash control
- 32 shooting modes
- Optional Underwater Case available
- Face Detection for perfectly focused and exposed faces
- Shadow Adjustment Technology
- Four Thirds Standard
- Compact and ergonomic design
- Bracketing functions
- ISO 100-1600
- AF / AE lock functionality
- Depth of field preview
- Anti-shock (Mirror lock) function
- One-touch white balance
- Perfect image control
- 100% field of view via LCD
- TruePic III image processor
- Detailed playback info screen with histogram
- Hi-speed USB 2.0

The perfect moment doesn't wait. That's why serious photographers need serious equipment so that they are ready for whatever comes. With its pro features and top image quality, the new Olympus E-520 D-SLR fits the bill perfectly. The next evolution to the EISA Award-winning E-500 series incorporates a built-in image stabiliser to ensure blur-free shots irrespective of the lens attached - no matter if wide-angle or ultra-tele and without the need for a tripod. Matched with the Supersonic Wave Filter dust protection system and improved Live View capabilities, the freedom to frame and take great, crystal-clear photos is virtually limitless. Based upon the forward-looking ?designed for digital? Four Thirds Standard, the 10.0 Megapixel E-520 with Live View ensures uncompromising D-SLR quality. It will become available in June 2008.

### Specifications

#### Type

Lens mount	Four Thirds
Body material	Glass reinforced plastics

#### Image Sensor

Effective pixels	10 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	11.8 Megapixels
Type	4/3" Live MOS sensor
Aspect ratio & area	4:3 / 17.3 x 13.0 mm

#### Engine

Type	TruePic III
------	-------------

#### Filter

LPF filter	Yes Fixed type
IR cut filter	Yes Hybrid type
Dust reduction filter	Yes Supersonic Wave Filter

#### LCD

Resolution	230,000 dots
LCD type	HyperCrystal II LCD
Monitor size	6.9 cm / 2.7"
Brightness adjustment	15 levels
Colour balance	15 levels

#### Viewfinder

Viewfinder type	Eye-level Pentaprism type optical view finder
Field of view	Approx. 95%
Magnification	Approx. 0.92 x with a 50mm lens set to infinity at -1 dioptres
Depth of field preview	Yes Customized Fn button via viewfinder or via LCD in Live View
Eye point	14 mm
Diopter adjustment	Yes -3.0 - +1.0 diopter / built-in type
Focusing screen	Fixed type (Neo Lumi-Micron Mat Screen)
Mirror	Quick return mirror
Viewfinder Information	Yes AF frame (super impose), AE lock, AF confirmation mark, metering mode, exposure mode, shutter speed, aperture value, white balance, exposure compensation value indicator, flash, IS activating mode, battery check
Eye piece shutter	Eye-piece cap EP-4 supplied

#### Super Control Panel

Displayed information	
Metering mode	Yes
Exposure mode	Yes
Aperture value	
Shutter speed	Yes
Exposure level view	Yes
Flash compensation value	Yes
Exposure compensation indication	Yes
AE bracketing	Yes
ISO	Yes
Colour space	Yes
Picture mode	Yes
Gradation	Yes
Colour saturation compensation value	Yes
Sharpness compensation value	Yes
Contrast compensation value	Yes
White balance	Yes
White balance compensation value	Yes
Noise reduction	Yes
AEL notification	Yes
Flash mode	Yes
Focus mode	Yes
AF frame	Yes
Drive mode	Yes
Record mode	Yes
Number of storable frames	Yes
Memory card	Yes
Battery indicator	Yes

#### Super Control Panel (Flash)

Displayed information	
Exposure mode	Yes
Shutter speed	Yes
Aperture value	Yes
Exposure compensation indication	Yes
Flash compensation value	Yes
AEL notification	Yes
Noise reduction	Yes
Bracketing	Yes
AF illuminator deactivated notification	Yes
Colour space	Yes
Wireless channel setting	Yes
Built-in flash intensity	Yes
Group settings	Yes

#### Live View

AF type	Option between phase difference detection system and contrast detection autofocus
Information	100% field of view, exposure adjustment preview, white balance adjustment preview, gradation setting preview (SAT), face detection preview, perfect shot preview, gridline displayable, 7x/10x magnification possible, MF/S-AF, AF frame display, AF point display, shooting information, histogramme, IS activating mode

#### Image Stabiliser

Type	Sensor shift
Modes	Two-dimensional, vertical or horizontal activation
Effective Compensation Range	Up to 4 EV steps

#### Focusing System

Method	TTL phase difference detection system, contrast detection system
Focus areas	3 points / Automatic and manual selection. For contrast detection AF, 11 points are used.
AF illuminator	Yes Built-in flash (external flash available / inactivation possible)
AF lock	Yes Locked by first position of shutter release button, AE/AF lock button (customised)
Focus tracking	Yes Available in continuous AF mode
Manual focus	Yes Available by rotating focus ring, available for setting manual focus operation in AF mode (customised)
Single AF	Yes
Single AF + MF	Yes
Continuous AF	Yes only available for TTL phase difference detection
Continuous AF + MF	Yes only available for TTL phase difference detection
Detection range	0 - 19 EV (ISO 100)
Bracketing	3 frames - 1 / 2 steps

#### Light Metering

Method	TTL open aperture light metering
Zones	49 zones Multi-pattern Sensing System
Detection range	1 - 20 EV (50mm, 1:2, ISO 100)
ESP light metering	Yes
Spot metering	Yes
Centre weighted metering	Yes
Highlight	Yes
Shadow	Yes

#### Exposure Modes

Auto	Yes
Programme automatic	Yes
Aperture priority	Yes
Shutter priority	Yes
Manual	Yes
Scene Modes	Yes

#### Scene Modes

Number of scene modes	20
Portrait	Yes
Landscape	Yes
Landscape with Portrait	Yes
Night Scene	Yes
Night Scene with portrait	Yes
Children	Yes
Sports	Yes
High key	Yes
Low key	Yes
Image Stabilisation Mode	Yes
Macro	Yes
Nature Macro	Yes

Candle	Yes
Sunset	Yes
Fireworks	Yes
Documents	Yes
Beach and Snow	Yes
Panorama	Yes
Underwater Wide	Yes
Underwater Macro	Yes

### Exposure System

Exposure compensation	+/- 5 EV / 1/3 steps
Exposure bracketing	3 frames / +/- 1/3, 1/2, 2/3, 1 EV steps

### Sensitivity

Auto	ISO 100 - 1600
Manual	ISO 100 - 1600 (adjustable in 1 EV steps)

### Shutter

Shutter type	Electronically controlled focal plane shutter
Shutter release	Soft Touch Electromagnetic
Self timer	12 s / 2 s
Anti Shock	Yes Release delay: 1 - 30 s

### Shutter Speeds

Shutter speed range	1/4000-60 s
AUTO	1/4000-2 s
Shutter speed P, Ps	1/4000-60 s (up to 30 min in Bulb mode)
Shutter speed A priority	1/4000-60 s (up to 30 min in Bulb mode)
Shutter speed S priority	1/4000-60 s (up to 30 min in Bulb mode)
Shutter speed Manual	1/4000-60 s (up to 30 min in Bulb mode)
Shutter speed scene mode	1/4000-4 s

### White Balance

AUTO WB system	Advanced detection system with Live MOS sensor
One-touch white balance	Customised One-Touch WB button
White balance adjustment	Yes +/- 7
White balance bracketing	3 frames / +/- 2, 4, 6 mired steps
Selectable steps in Kelvin	8 steps (3000 - 7500 K)
Tungsten	Yes 3000 K
Flourescent 1	Yes 4000 K
Flourescent 2	Yes 4500 K
Flourescent 3	Yes 6600 K
Sunlight	Yes 5300 K
Flash	Yes 5500 K
Overcast	Yes 6000 K
Shade	Yes 7500 K
Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)

### Internal Flash

Guide number	12 (ISO 100)
Flash compensation	+/- 3 EV / 1/3, 1/2, 1 EV steps
AUTO	Yes
Manual	Yes
Red-eye reduction	Yes
Slow synchronisation	Yes
Slow synchronisation 2nd curtain	Yes
Fill-in	Yes
Slow synchronisation with red-eye reduction	Yes
Off	Yes
Bracketing	3 frames / 1/3, 1/2, 1 EV steps

### External Flash Control

X-sync speed	1/180 s / 1/4000 s
Type	TTL Auto for Olympus dedicated flash, Auto or Manual
Synchronisation modes	Auto, Manual, Red-eye reduction, Slow syncro with red-eye reduction, Slow syncro, 2nd curtain and slow syncro, Fill-in for exclusive flash
Intensity	+/- 3 EV / 1/3, 1/2, 1 EV steps

### Built-in flash and wireless flash control from the camera body

Compatible external flash	FL-50R, FL-36R
Control method	Triggered and controlled by built-in flash light
Modes	TTL Auto (TTL pre-flash mode), Auto, Manual, FP TTL Auto, FP Manual
Group setting	3 groups
Number of channels	4 channels

### Sequence Shooting

Sequential shooting mode	3.5 fps / Up to card capacity in Large Normal mode 3.5 fps / 8 frames RAW
--------------------------	------------------------------------------------------------------------------

### Image Processing

Colour space	sRGB / AdobeRGB
TruePic III	Yes
Sharpness + Contrast	5 levels
Saturation	5 levels
Contrast	5 levels
Black & White filter	Yellow, Orange, Red, Green
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode
Picture mode	Vivid, Natural, Muted, Portrait, Black & White (default setting Natural).
Gradation	4 (auto, high key, normal, low key)

### Image Editing

RAW data edit	Yes
Shadow Adjustment Technology	Yes
Trimming	Yes
Red-eye reduction	Yes
Black & White	Yes
Sepia	Yes
Correction of saturation	Yes
Resize	Yes

### Erase / Protect / Copy Function

Erase modes	Single, All, Selected
Image protect mode	Single, Selected
Copy mode	Single, All, Selected

### View Images

Histogram in playback mode	Yes
Zoom	Yes 2-14 x
Index	Yes 4, 9, 16, 25, 49, 100 frames
Slide show	Yes
Calendar	Yes
Shooting information	Exposure mode, metering mode, shutter speed, aperture value, exposure compensation level, ISO, colour space, white balance mode, white balance compensation level, focal length, focus area, file type, picture mode, file name, image size, recorded card type.
Exposure level view	Histogram (R,G,B available), High light point warning, Shadow point warning.
Rotation	Yes

### Still Image Recording

EXIF	2.2
PIM	III
DPOF	Yes
DCF	Yes

### Recording Formats

RAW	12 bit
RAW & JPEG	Parallel recording
JPEG	Yes
JPEG compression	1/2.7, 1/4, 1/8, 1/12 SHQ 1/2.7, 1/4, 1/8, 1/12 HQ 1/2.7, 1/4, 1/8, 1/12 SQ

### Image Size

RAW	3648 x 2736 / 11 MB / frame
Large	3648 x 2736 Super Fine / 6.8 MB / frame
	3648 x 2736 Fine (compression: 1/4) / 4.7 MB / frame
	3648 x 2736 Normal (compression: 1/8) / 2.2 MB / frame
	3648 x 2736 Basic (compression: 1/12) / 1.5 MB / frame
Middle	3200 x 2400 Super Fine / 5.3 MB / frame
	3200 x 2400 Fine (compression: 1/4) / 3.7 MB / frame

Small	3200 x 2400 Normal	(compression: 1/8)	/	1.7 MB / frame
	3200 x 2400 Basic	(compression: 1/12)	/	1.1 MB / frame
	2560 x 1920 Super Fine		/	3.6 MB / frame
	2560 x 1920 Fine	(compression: 1/4)	/	2.2 MB / frame
	2560 x 1920 Normal	(compression: 1/8)	/	1.1 MB / frame
	2560 x 1920 Basic	(compression: 1/12)	/	0.7 MB / frame
	1600 x 1200 Super Fine		/	1.3 MB / frame
	1600 x 1200 Fine	(compression: 1/4)	/	0.8 MB / frame
	1600 x 1200 Normal	(compression: 1/8)	/	0.5 MB / frame
	1600 x 1200 Basic	(compression: 1/12)	/	0.3 MB / frame
	1280 x 960 Super Fine		/	0.8 MB / frame
	1280 x 960 Fine	(compression: 1/4)	/	0.5 MB / frame
	1280 x 960 Normal	(compression: 1/8)	/	0.3 MB / frame
	1280 x 960 Basic	(compression: 1/12)	/	0.2 MB / frame
	1024 x 768 Super Fine		/	0.5 MB / frame
	1024 x 768 Fine	(compression: 1/4)	/	0.4 MB / frame
	1024 x 768 Normal	(compression: 1/8)	/	0.2 MB / frame
	1024 x 768 Basic	(compression: 1/12)	/	0.1 MB / frame
	640 x 480 Super Fine		/	0.2 MB / frame
	640 x 480 Fine	(compression: 1/4)	/	0.2 MB / frame
640 x 480 Normal	(compression: 1/8)	/	0.1 MB / frame	
640 x 480 Basic	(compression: 1/12)	/	0.1 MB / frame	

## Interface

Media	Dual slot for CompactFlash card (Type I and II), Microdrive and xD picture card
USB 2.0 High Speed	Yes
Combined V & USB output	Yes NTSC or PAL selectable
Infrared	Yes

## Menu

Menu languages in camera	English, German, French, Spanish, Italian, Russian, Czech, Dutch, Danish, Polish
Menu languages by download	Additional one language from 15 further languages by download via the internet.

## Customisation Options

Fn Button	Off, one-touch WB, test picture, preview, Live View, AF home setting, MF, record format, exposure mode, My Mode
Drive button	Drive, AF target selection, AF mode, WB mode, Metering mode, ISO setting
My Mode	2 settings available
Custom preset options	2

## Power Supply

Battery	BLM-1 Li-Ion battery (included)
Battery life	Approx. 650 shots with BLM-1 under CIPA testing standard.
Sleep mode	1, 3, 5, 10 min. and off selectable.

## Environment

Temperature	0 - 40 °C / -20 - 60 °C
Humidity	30 - 90 % / 10 - 90 %

## Size

Dimensions (WxHxD)	136 x 91.5 x 68 mm
Weight	475 g (body only)

## Box Contents

- BC-1 Body Cap
- BLM-1 Battery
- BCM-2 Battery Charger
- EP-4 Eye piece shutter
- Shoulder Strap
- CB-USB6 USB Cable
- CB-VC2 Video Cable
- OLYMPUS Master 2
- OLYMPUS Studio 2 Trial
- Operating Instructions
- Warranty Card

## Lenses

- ZUIKO DIGITAL ED 14-42mm 1:3.5-5.6
- ZUIKO DIGITAL 14-45mm 1:3.5-5.6
- ZUIKO DIGITAL 40-150mm 1:3.5-4.5
- ZUIKO DIGITAL ED 40-150mm 1:4.0-5.6
- ZUIKO DIGITAL ED 18-180mm 1:3.5-6.3
- ZUIKO DIGITAL 35mm Macro 1:3.5
- ZUIKO DIGITAL 11-22 mm 1:2.8-3.5
- ZUIKO DIGITAL 14-54mm 1:2.8-3.5
- ZUIKO DIGITAL ED 50-200mm 1:2.8-3.5
- ZUIKO DIGITAL ED 8mm Fisheye 1:3.5
- ZUIKO DIGITAL ED 50mm Macro 1:2.0
- ZUIKO DIGITAL ED 7-14mm 1:4.0
- ZUIKO DIGITAL ED 35-100mm 1:2.0
- ZUIKO DIGITAL ED 90-250mm 1:2.8
- ZUIKO DIGITAL ED 150mm 1:2.0
- ZUIKO DIGITAL ED 300mm 1:2.8
- ZUIKO DIGITAL ED 70-300mm 1:4.0-5.6
- ZUIKO DIGITAL ED 12-60mm 1:2.8-4.0 SWD
- ZUIKO DIGITAL ED 50-200mm 1:2.8-3.5 SWD
- ZUIKO DIGITAL ED 14-35mm 1:2.0 SWD
- ZUIKO DIGITAL 25mm 1:2.8 Pancake
- ZUIKO DIGITAL ED 9-18mm 1:4.0-5.6

## Converters

- ZUIKO DIGITAL EC-14
- ZUIKO DIGITAL 2.0x Teleconverter EC-20
- EX-25
- MF-1

## Flash

- BN-1
- FC-1
- FL-20
- FL-36
- FL-50
- FL-BK01
- FL-CB02
- FL-CB05
- FP-1
- FR-1
- FR-100
- HV-1
- RF-11
- RG-1
- SHV-1
- SRF-11
- STF-22
- TF-22
- FL-50R
- FL-36R

## Media

- 2GB Standard xD-Picture Card

## Cables & Adapters

- CB-USB6 USB Cable
- CB-VC2 Video Cable

#### Case & Strap

- E-System Backpack
- Double Zoom Kit Case
- E-System Shoulder Bag
- E-System Pro Backpack
- E-System Bag
- SBC-1
- CCE-300
- CSS-P001
- CSS-P002
- CSS-S101L Black
- CSS-S102L White
- CSS-S103L Brown
- CSS-S104L Dark Brown

#### Underwater Housing

- PT-E05