

big performance, small appearance





convincing performance, surprisingly compact

The Olympus E-400 is the smallest and lightest* digital SLR camera ever constructed. It thereby epitomises the Olympus tradition of combining maximum technical performance with exceptional design. This especially applies to operability. Perfect ergonomics enable intuitive handling which even lets beginners get the hang of things quickly so they can start shooting immediately. From a technical perspective, the E-400 offers all manual and automatic functions required for professional D-SLR applications. In terms of size and weight, it is easier than ever before to take this camera along on holidays, assignments or wherever you might need it. In combination with the two especially-developed, ultra-compact zoom lenses, a focal range of

14-150mm** is covered and therefore equipped for practically every situation. Thanks to a newly-developed image sensor with 10.0 million pixels, picture quality is second to none and allows prints - even in above-average formats - to be produced without even the smallest of compromises. As with all cameras in the Olympus E-System, the E-400 incorporates the unique Supersonic Wave Filter, which prevents dust entering the camera during lens changes and affecting image quality. The E-400 is compatible with all ZUIKO DIGITAL lenses and virtually the whole range of E-System accessories. Due to adherence to the Four Thirds Standard, further options are available due to crossmanufacturer compatibility. Accept no limits.

6.4cm / 2.5" HyperCrystal LCD

Optimal control – even in bright sunlight.

10 million pixels

Maximum resolution for maximum attention to detail.



^{*} As at August 2006 ** Equivalent to 28-300mm on 35mm cameras

Unrivalled compactness

The world's smallest and lightest digital SLR*.

Future-proof SLR system

Comprehensive range of accessories thanks to Four Thirds Standard.





Uncompromising ergonomic design

Newly-defined intuitive operating concept.

Perfect protection against the effects of dust

With the unique, patented Supersonic Wave Filter.





Actual size

- TruePic TURBO image processor.
- 31 shooting modes (incl. 5 exposure, 7 creative & 19 scene modes).
- Built-in pop-up flash (GN 10).

- 3fps with up to five images buffer in RAW mode.
- One-touch white balance.
- AFL/AEL functionality.
- Improved 49 segment digital ESP and spot metering.
- Depth of field preview function.

- Large beginners and advanced info screen.
- JPEG & RAW recording.
- Detailed playback info screen with histogram.
- Exceptional ease of use with intuitive GUI.
- Dual memory card slots (for xD-Picture Card and CompactFlash).



the biggest enemy of a perfect photo is miniscule

You rarely get a second chance in photography. The ideal moment is unrepeatable. Yet the tiniest spec of dust entering the camera during a lens change could ruin a perfect photo. In analogue cameras, the dust particles are transported away as the film is wound on. This means that usually only one picture will be affected. In contrast, dust landing on the image sensor of a digital camera stays where it is – and more will join it over time. Even the smallest particle can cover hundreds of pixels. This results in image flaws that must be corrected through subsequent editing. In addition, photographers must endure the time and expense associated with regular professional cleaning that consequently becomes necessary – which sometimes even requires the camera to be sent away for servicing.



The image sensor is put at risk through dust entering during lens changes.

The Supersonic Wave Filter ensures brilliant images.

brane within the camera. This function is invoked at each start-up of the camera as well as every time Pixel Mapping is carried out. The unique Olympus "Supersonic Wave Filter" dust protection system is included in all E-System cameras, and was again optimised for incorporation in the E-400 through a smaller form and higher frequency vibrations.

how the "Supersonic Wave Filter" protects the E-400 image sensor:

The dust filter, located in front of the highly-sensitive CCD, is brought into vibration via an ultrasonic generator. This lets dust particles be shaken off within milliseconds, which are then captured on a special adhesive mem-



Dust particles have lodged on the dust filter in front of the sensor.



The activation of the ultrasonic generator makes the particles fall from the dust filter.



A clean image sensor ensures flawless image quality.

ergonomic, compact, ingenious



The extremely compact body of the E-400, with its fill of functions, was designed in strict accordance with ergonomic considerations.



In practice, this means each button is located exactly where it belongs and where one would instinctively expect to find it.



Take it out of the box and start shooting immediately – it can be that easy.

technology that sets no bounds to creativity

large, bright, clear: the HyperCrystal LCD

The 6.4cm / 2.5" LCD impresses not only because of its size, but also due to its high resolution, incredible brightness and 160° wide viewing angle. All parameters of the camera settings are displayed large and clearly, and besides providing a view of the shot images it also features a histogram facility with four modes and, if desired, even lets the over and underexposed sections of an image be highlighted.





Beginners and advanced mode with extended adjustment

sequential shooting with 3 frames per second

The E-400 enables continuous shooting at a speed of up to 3 frames per second. Photographers can thereby rest assured that the decisive shot in a dynamic sequence will certainly be captured.

one-touch white balance

In addition to the usual options for automatic or preset white balance setting, the E-400 incorporates a one-touch white balance function for optimal alignment to the ambient lighting conditions. In this way, for example, a white shirt will still appear white even if recorded under fluorescent light – therefore saving the necessity for image editing later.

built-in pop-up flash

With the built-in pop-up flash, photographers are prepared for any situation. It features TTL control and can be set manually or automatically. With a series of pre-flashes, it can also automatically help reduce the potential "red-eye effect".

31 shooting modes

The E-400 offers of choice of 31 shooting modes which extend from full manual control to automatic pre-sets for specific situations.

5 extended exposure modes: M S A P AUTO Programmed Auto with Programme shift (Ps), Shutter Priority, Aperture Priority, Manual, Auto.

7 creative exposure modes:

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Portrait, Landscape, Macro, Sport, Night Scene & Portrait, Underwater Macro and Underwater Wide.

19 scene modes for various motifs: SCENE
Portrait, Landscape, Landscape & Portrait, Night
Scene, Night Scene & Portrait, Children, Sports,
High Key, Low Key, Image Stabiliser, Macro,
Nature Macro, Candle, Sunset, Fireworks,
Documents, Beach & Snow, Underwater Macro,
Underwater Wide.

high light and shadow basis spot metering

Besides ESP, Spot and Centre-weighted Average metering, the E-400 is equipped with two exposure metering modes which ensure that bright subjects with bright backgrounds as well as dark motifs on dark backgrounds are not absorbed, but can be differentiated in the final result.

depth of field preview

This function enables the depth of field of images to be checked, at the touch of a button, in the optical viewfinder or on the LCD prior to recording.

professional AEL/AFL control



Photographers can have access to a range of personally-selected exposure and focus settings that they have predefined to suit their individual prefe-

rences – all at the simple touch of a button. This level of customisation for exposure and focus is especially sought out by professional photographers.

49 area AE sensor

The 49 area exposure sensor provides extra precision and reliability during exposure metering and flash control. This is of particular benefit for compositions made under difficult lighting conditions.



variable storage solution

Card slots for CompactFlash cards (Type I and II), Microdrive and xD-Picture Cards.

JPEG and RAW recording

Images can be recorded in RAW and simultaneously in JPEG format.

Specifications

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Model	Olympus E-400
Туре	Interchangeable lens digital SLR camera.
Compatible lens	ZUIKO DIGITAL, Four Thirds System lens.
Lens mount	Four Thirds mount.
Body	Glass reinforced plastic.
Media	CompactFlash card (Type I and II), Microdrive, xD picture card. (Dual slot).
Effective pixel number	10 million pixels.
Image size	17.3mm x 13.0mm.
Image sensor	100 111 1 000
Image sensor	10.8 million pixels CCD sensor.
Effective pixels	10 million pixels.
Aspect ratio Filter array	4:3. Primary colour filter (RGB).
LCD	Primary colour liller (RGB).
HyperCrystal LCD	
Pixel number	215,000 pixels.
Monitor size	6.4cm/2.5".
Brightness adjustment	+/- 7 steps.
Viewfinder	+/- / Steps.
Viewfinder type	Eye-level single-lens viewfinder.
Field of view	Approx. 95%.
Magnification	Approx. 0.92x with a 50mm lens set to infinity at –1 dioptres.
Depth of field preview	Available. (Customize via Fn button).
Eye point	14mm at –1 dioptres.
Diopter adjustment	+1.0 to -3.0 dioptres built-in type.
Focusing screen	Fixed type (Neo Lumi-Micron Mat Screen).
Mirror	Quick return mirror.
Viewfinder information	AF frame (super impose), AE lock, AF confirmation mark,
Viewinder information	Metering mode, Exposure mode, Shutter speed, Aperture value, White balance, White balance warning, Exposure compensation value indicator, Flash, Battery check.
Eye piece shutter	Eye-piece cap EP-4 supplied.
Focusing System	
Focusing system	TTL phase difference detection system.
Focus areas	3 points.
AF illuminator	Built-in flash, optional Olympus dedicated flash units.
AF lock	Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised).
Detection range	19 EV (ISO 100).
Focus area selection	Automatic and manual selection.
Focus tracking	Available in continuous AF mode.
Focus aid	Available.
Manual focus	Available by rotating focus ring, available for setting manual focus operation in AF mode (customised).
Focus modes	Single AF, Single AF + MF, Continuous AF, Continuous AF + MF.
Light Metering	
TTL open aperture light metering	49 zones multi-pattern sensing system.
Detection range	EV 1 to 20 (50mm 1:2, ISO 100).
Light metering modes	ESP light metering, Spot metering, Centre-weighted metering, Highlight, Shadow.
Shooting Modes	
Exposure modes	5 (Auto, Programme Automatic, Aperture priority, Shutter priority, Manual).
	Manual). 19 (Beach & Snow, Candle, Children, Documents, Fireworks, High Key, Image Stabilisation Mode, Landscape, Landscape & Portrait, Low Key, Macro, Nature Macro, Night Scene, Night Scene & Portrait,
Exposure modes	Manual). 19 (Beach & Snow, Candle, Children, Documents, Fireworks, High Key, Image Stabilisation Mode, Landscape, Landscape & Portrait,
Exposure modes Scene modes	Manual). 19 (Beach & Snow, Candle, Children, Documents, Fireworks, High Key, Image Stabilisation Mode, Landscape, Landscape & Portrait, Low Key, Macro, Nature Macro, Night Scene, Night Scene & Portrait, Portrait, Sports, Sunset, Underwater Macro, Underwater Wide). 7 (Portrait, Landscape, Macro, Sport, Night Scene & Portrait, Underwater Macro, Underwater Wide) with pre-settings and manual options.
Exposure modes Scene modes Creative modes	Manual). 19 (Beach & Snow, Candle, Children, Documents, Fireworks, High Key, Image Stabilisation Mode, Landscape, Landscape & Portrait, Low Key, Macro, Nature Macro, Night Scene, Night Scene & Portrait, Portrait, Sports, Sunset, Underwater Macro, Underwater Wide). 7 (Portrait, Landscape, Macro, Sport, Night Scene & Portrait, Underwater Macro, Underwater Wide) with pre-settings and

Sensitivity	
Auto	ISO 100 – 1600.
Manual	ISO 100 - 1600 (in each 1/3 EV steps possible).
Wallaci	Warning message at ISO 800-1600.
Shutter	
Type	Electronically controlled focal plane shutter.
Shutter speed	Auto mode: 1/4000 - 2 sec.
	P (Ps), S, A, M mode: 1/4000 – 60 sec. Bulb up to 8 Minutes (depends on ISO speed). Scene mode: 1/4000 – 4 sec. (depends or selected settings).
X-sync speed	X = 1/180 sec.
	Super FP up to 1/4000 sec.
Shutter release	Soft-touch electromagnetic release.
Self-timer	12 or 2 sec.
Remote control	Yes (including bulb function) with RM-1 (option) or RM-UC1 (option).
White Balance	Too Intercently Date terrocory marrian is topicory or thin oo is topicory.
White balance adjustment	-7 to +7 in each R-B / G-M axis (in Auto WB and preset WB mode)
Auto WB system	Advanced detection system with CCD sensor.
Selectable steps in Kelvin	7 steps (3000–7500°K).
Preset WB	Overcast, Shade, Tungsten, Sunlight, Fluorescent 1, Fluorescent 2,
I TOOGE VVD	Fluorescent 3.
Internal Flash]
Guide number	10.
Flash compensation	+/- 2 EV in 1/3 EV steps.
Modes	Auto, Red-eye reduction, Slow synchronisation,
1410000	Slow synchronisation 2nd curtain, Fill-in, Off.
Sequence Shooting	
Sequential shooting mode	3.0fps, approx. 10 frames in HQ JPEG mode.
Sequential shooting mode	
RAW	olps, o frances.
Image Processing	
Colour space	sRGB, AdobeRGB.
Image Processing	TruePic Turbo.
Sharpness	5 levels in each picture mode.
Saturation	5 levels in each picture mode.
Contrast	5 levels in each picture mode.
Black & White Filter	Yellow, Orange, Red, Green in Black & White and Sepia mode.
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode.
Picture Mode	Vivid, Natural, Muted, Black & White, Sepia.
Gradation	3 levels (high key, normal, low key).
Image Editing	o levels (riight key, normal, low key).
	of saturation, RAW data edit, Red-eye reduction, Resize, Sepia.
View Images	of saturation, have data edit, hed-eye reduction, hesize, sepia.
Histogram in playback mo	da Clida abour Calandar
Zoom	2–14x.
Index	
	4, 9, 16, 25 frames.
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.
Still Image Recording	
EXIF 2.2, PIM III, DPOF, JF	PEG
JPEG compression	1/2.7 SHQ, 1/8 HQ, 1/2.7, 1/4, 1/8, 1/12 SQ.
Image Size	
3648 x 2736	SHQ / HQ / RAW.
3200 x 2400	SQ.
2560 x 1920	SQ.
1600 x 1200	SQ.
1280 x 960	SQ.
1024 x 768	SQ.
640 x 480	SQ.

Memory				
CompactFlash Type I/II, Microdrive, xD-Picture Card (Dual Slot).				
Interface				
USB 2.0 (Full Speed).				
Combined A/V & USB output	NTSC or PAL selectable.			
Size				
Dimensions	129.5 (W) x 91 (H) x 53mm (D) (excluding protrusions).			
Weight	375g (body only).			
Box Contents				
Body cap, Shoulder strap, Video cable, USB cable, OLYMPUS Master Software, Instructions manual, Warranty card, Li-ion Battery Charger (BCS-1), Li-ion Battery Pack (BLS-1), Eye piece cap (EP-4).				

Model	Electronic Flash FL-36
Guide Number	Automatic switching from 36 at 42mm to 20 at 12mm 14 at 10mm to 12 at 8mm with the wide panel (built in).
Firing Angle	Automatic switching At 12mm: Up-Down 61 Degrees, Left-Right 78 Degrees At 42mm: Up-Down 21 Degrees, Left-Right 28 Degrees When the Wide Panel is used for 8mm.
Flash Modes	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL.
Bounce Angles	Up to 90 Degrees, Down 1.5 Degrees. Left 0 to 90 Degrees, Right 0 to 150 Degrees.
Power Supply	AA (R6) Alkaline batteries x 2, AA (R6) Lithium batteries x 2, AA (R6) Ni-Mn batteries x 2, 3V Lithium batterie pack (LB-01) x 1, AA (R6) Ni-Cd batteries (1000 mAh) x 2, AA (R6) Ni-MH batteries (1900 mAh) x 2, AA (R6) Oxyride batteries x 2.
Dimensions	65mm W x 105mm H x 95mm D (protuberances not included).
Weight	270g (without batteries).
Box Contents	Soft Case, Instruction Manual, Warranty Card.

Model	ZUIKO DIGITAL ED 40-150mm 1:4.0-5.6
Focal length	40mm-150mm zoom.
35mm equivalent	80mm-300mm.
focal length	
Construction	
Lens	12 elements in 9 groups including ED Lens Element.
Mechanism	Internal focusing system.
Angle of view	8.2 – 30 degrees.
Closest focusing distance	0.9m.
Maximum image magnification	0.14x.
35mm equivalent Maximum Image Magnification	0.28x.
Aperture	
Number of blades	7 (Circular aperture diaphragm).
Maximum aperture	1:4:0 (wide) - 1:5.6 (tele).
Minimum aperture	1:22.
Filter size	58mm.
Size / weight	
Dimensions	65.5mm (D) x 72mm (L).
Weight	220g.
Box contents	, .
40–150mm 1:4.0–5.6, Lens Hood (LH-61D), Lens Cap (LC-58C), Lens Rear Cap (LR-1), Instruction manual, Warranty Card.	

Model	ZUIKO DIGITAL ED 14-42mm 1:3.5-5.6		
Focal length	14mm-42mm.		
35mm equivalent focal length	28mm-84mm.		
Construction	Construction		
Lens	10 elements in 8 groups including ED Lens Element and 2 Aspherical Lens Elements.		
Mechanism	Internal focusing system.		
Angle of view	75 – 29 degrees.		
Closest focusing distance	0.25m.		
Maximum image magnification	0.19x.		
35mm equivalent Maximum Image Magnification	0.38x.		
Aperture	Aperture		
Number of blades	7 (Circular aperture diaphragm).		
Maximum aperture	1:3.5 (wide) - 1:5.6 (tele).		
Minimum aperture	1:22.		
Filter size	58mm.		
Size / weight	Size / weight		
Dimensions	65.5mm (D) x 61mm (L).		
Weight	190g.		
Box contents			
14–42mm 1:3.5–5.6, Lens Hood (LH-61C), Lens Cap (LC-58C), Lens Rear Cap (LR-1), Instruction manual, Warranty Card.			

accessories that broaden the photographic horizon

A considerable advantage of SLR cameras is the possibility to extend the photographic possibilities through a broad range of accessories. As part of the E-System, the E-400 benefits

from a comprehensive line-up of lenses and other accessories that offer a solution for every photographic demand. Two new zoom lenses were specifically developed for the E-400,

which with their exceedingly compact form perfectly complement the E-400 concept. The E-400 is available in a kit containing the ZUIKO DIGITAL FD 14-42mm standard zoom lens.



ZUIKO DIGITAL ED 14-42mm 1:3.5-5.6

* Figures in brackets refer to the equivalent values on a 35mm camera



ZUIKO DIGITAL ED 40-150mm 1:4.0-5.6 (80-300mm)*



ZUIKO DIGITAL ED 18-180mm 1:3.5-6.3



ZUIKO DIGITAL 35mm 1:3.5 Macro



External flash



External flash



















SYSTEM



E-400 kit contains:

Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer.



