

## Specifications

<b>Product Type</b>	Single-lens reflex Live View digital camera with interchangeable lens system
<b>Memory</b>	CompactFlash Type VII, Microdrive, xD-Picture Card (Dual-Slot)
<b>Imager size</b>	13.0mm (V) x 17.3mm (H)
<b>Lens mount</b>	Four Thirds Mount
<b>Effective Pixels Number</b>	10 million pixels
<b>Image Pickup Unit</b>	
Product type	Live MOS Sensor
Total no. of pixels	Approx. 11.8 million pixels
Aspect ratio	1.33 (4:3)
Dust reduction	Supersonic Wave Filter (dust reduction system for image sensor)
<b>Recording</b>	
Recording format	DCF, DPOF compatible/Exif, PRINT Image Matching III
File format	RAW (12-bit), JPEG, RAW+JPEG
Recording image size	[RAW] 3648 x 2736 pixels [JPEG] 3648 x 2736 pixels - 640 x 480 pixels
<b>Viewfinder</b>	
Product type	Eye-level single-lens reflex viewfinder
Field of view	Approx. 95%
Viewfinder magnification	Approx. 0.92x (-1m <sup>-1</sup> , 50mm lens, infinity)
Eye point	Approx. 14mm (-1m <sup>-1</sup> )
Diopter adjustment range	-3.0 - +1m <sup>-1</sup>
Focusing screen	Fixed (Neo Lumi-Micro Mat screen)
Eyepiece shutter	Eye piece cap EP-4 supplied
<b>Live View</b>	
Product type	Live MOS Sensor for still picture shooting is used, 100% field of view, Exposure adjustment preview, White balance adjustment preview, Gradation setting preview, Face detection preview, Perfect shot preview, Grid line displayable, 7x/10x magnification possible, MF/S-AF-AF frame display, AF point display, Shooting information, Histogram
High-speed imager AF	Phase-difference detection AF
No	No
<b>AF</b>	
<b>Image Stabilizer System</b>	
<b>LCD Monitor</b>	
Product type	HyperCrystal II LCD (semi-transmissive TFT color LCD)
Size	2.7 inches
Total no. of pixels	Approx. 230,000 dots
Playback field of view	100%
Brightness control	15 levels
Color balance	15 levels
<b>Focusing</b>	
AF system	TTL phase-difference detection system, Contrast detection system 1
Focus mode	Single AF (S-AF) / Continuous AF (C-AF) / Manual Focus (MF) / S-AF + MF / C-AF + MF *C-AF mode is not available with the contrast detection system
Focusing point	3-point multiple AF with the phase-difference detection system (Auto, selectable in option) 11-point multiple AF with the contrast detection system (Auto, selectable in option)
Focusing point selection	Auto/Option selectable
AF luminance range (phase-difference detection system)	EV 0 to 19 (at 20°C/68°F, ISO 100)
AF illuminator (phase-difference detection system)	Built-in flash (External flash available. Inactivation is available to set.)
AF lock	Locked at first position of shutter button in Single AF mode / AEL button (customizable)
Focus tracking (phase-difference detection system)	Interlocked with Continuous AF mode
Focus aid	Available
<b>Exposure Control</b>	
Metering system	TTL open-aperture metering system (1) Digital ESP metering (49-point multi-pattern metering) (2) Center-weighted average metering (3) Spot metering (approx. 2% for the viewfinder screen) (4) Spot with highlight control (5) Spot with Shadow control
Metering range	EV 1 - 20 (Digital ESP metering, Center-weighted average metering, Spot metering) (At normal temperature, 50mm f2, ISO 100)
Exposure mode	(1) Auto (2) P: Program AE (Program shift can be performed) (3) A: Aperture priority AE (4) S: Shutter priority AE (5) M: Manual (6) Scene program AE (7) Scene select AE
Scene program AE	Portrait, Landscape, Macro, Sport, Night + Portrait
Scene select AE	Portrait, Landscape, Landscape + Portrait, Night Scene, Night + Portrait, Children, Sport, High Key, Low Key, Digital Image Stabilization, Macro, Nature Macro, Candle, Sunset, Fireworks, Documents, Panorama* (*Available with the Olympus xD-Picture Card), Beach & Snow Auto (ISO 100 - 1600) / Manual (ISO 100 - 1600), 1 EV steps
ISO sensitivity	Auto (ISO 100 - 1600) / Manual (ISO 100 - 1600), 1 EV steps
Exposure compensation	±5 EV in 1/3 EV steps
AE lock	Locked by first position of shutter button / AEL button (customizable)
Exposure bracketing	3 frames in 0.3, 0.7, 1EV steps selectable
<b>White Balance</b>	
Auto WB system	Advanced detection system with Live MOS Sensor
Preset white balance	8 settings (3000K - 7500K): Lamp (3000K), Fluorescent 1 (4000K), Fluorescent 2 (4500K), Fluorescent 3 (6600K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K)
White balance compensation	±7 steps in each A-B/G-M axis (in Auto WB/Preset WB/One-touch WB mode)

<b>Custom white balance</b>	1 setting can be registered at Kelvin temperature (2000K - 14000K)
<b>One-touch white balance</b>	1 custom setting can be registered
<b>White balance bracketing</b>	Not available
<b>Color Mode</b>	
Color space	sRGB, Adobe RGB
<b>Picture Mode</b>	
Mode	Vivid, Natural, Muted, Portrait, Monotone (default setting Natural)
Adjustment parameter	Contrast, Sharpness and Saturation level available in 5 steps for Vivid, Natural, Muted and Portrait. Contrast and Sharpness level available in 5 steps for Monotone
Filter effect	Yellow, Orange, Red or Green filter available for Monotone
Picture tone	Sepia, Blue, Purple or Green tone available for Monotone
Gradation	4 levels (Auto, High key, Normal, Low key)
<b>Shutter</b>	
Product type	Computerized focal-plane shutter
Shutter speed	Auto mode: 2 - 1/4000 sec. (depends on settings), P(Ps), S, A, M mode: 60 - 1/4000 sec. (Built up to 30 min. with limiter), Scene program/Scene select mode: 4 - 1/4000 sec. (depends on settings) 1/3EV steps Operation time: 12 sec., 2 sec. (cancel available)
Self-timer	Available (with optional RM-UC1 remote cable)
Remote cable release	Operation time: 2 sec., 0 sec., bulb control available (with optional RM-1 remote control)
Optical remote control	Available (1 to 30 sec. selectable)
Anti-shock mode	Available (1 to 30 sec. selectable)
<b>Drive</b>	
Drive mode	Single-frame shooting, Sequential shooting, Self-timer, Remote control
Sequential shooting speed	Approx. 3.5 frames/sec.
Max. recordable pictures	RAW mode: Max. 8 frames
On sequential shooting	JPEG mode: Depends on compression ratio and no. of pixels (LN mode: approx. up to card capacity with SanDisk Extreme III 1GB)
<b>Integrated Flash</b>	
Built-in flash	Retractable flash (Auto pop-up type), GN=12 (ISO 100m)
Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual
Flash mode	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
Synchronization speed	1/180 sec. or less, Super FP up to 1/4000 sec.
Flash intensity control	Up to ±3 EV in 1/3 EV steps
<b>Wireless Flash Control</b>	
Compatible external flash	FL-50R, FL-36R
Control method	Triggered and controlled by built-in flash light
Flash control mode	TTL Auto (TTL pre-flash mode), Auto, Manual, FP TTL Auto, FP Manual
Number of channels	4 channels
Group setting	3 groups
<b>Playback</b>	
Playback modes	Single-frame, Index (4/9/16/25/49/100 frames), Calendar, Close-up (2 - 14X), Slideshow, Picture rotation (auto mode available), Histogram (independent luminance/RGB available), Highlight/Shadow point warning, AF frame, Shooting information
Information Display	
<b>Menu</b>	
Languages	English, French, Spanish, Portuguese
<b>Image Editing</b>	
Erase function	Single frame, All frames, Selected frames (with protect function)
Protect function	Single frame, Selected frames, Release protect (Single/All selected)
Copy between media	Single frame, All frames, Selected frames
RAW development	RAW development
JPEG editing	Shadow adjustment, Red-eye fix, Trimming, Monotone, Sepia, Saturation (color depth), Resize (producing another file)
<b>Print</b>	
Print function	Print reservation (DPOF), Direct print (PictBridge compatible)
<b>Input/Output</b>	
PC interface	High-speed USB for storage and camera control (MTP mode is available)
USB/Video connector	Dedicated multi-connector (Video: NTSC/PAL selectable, Optional remote cable RM-UC1 is available)
Flash attachment	Hot shoe
<b>Power Requirements</b>	
Battery	BLS-1 Li-ion battery (included)
Sleep mode	Available (1, 3, 5, 10 min., off selectable)
<b>Dimensions/Weight</b>	
Dimensions	5.09 in. (W) x 3.58 in. (H) x 2.08 in. (D) / 129.5mm (W) x 91mm (H) x 53mm (D)
Weight	13.4 oz. / 380g
<b>Operating Environment</b>	
Temperature	0 - 40°C / 32 - 104°F (operation) / 20 - 60°C / 68 - 140°F (storage)
Humidity	30 - 90% (operation) / 10 - 90% (storage)

\*1 When a lens other than the ZUIKO DIGITAL ED 14-42mm f3.5-5.6, ED 40-150mm f4.0-5.6 or 25mm f2.8 is used, the number of AF focusing points changes to 3 and AF is executed again when the shutter button is pressed all the way. With the ED 14-42mm f3.5-5.6 or ED 40-150mm f4.0-5.6 lens, the firmware needs to be updated to Ver.1.1 or later.

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## Number of recordable pictures (in main record modes)

Record mode	Compression type	Image size (pixels)	Compression rate	File format	File size (MB)	Recordable images (with 1 GB card)
Large	RAW	3648 x 2736	(Lossless)	ORF	Approx. 11	59
	Super Fine	3648 x 2736	1/2.7	JPEG	Approx. 6.8	129
	Fine		Approx. 4.7		186	
	Normal		Approx. 2.2		406	
Basic	Approx. 1.5		602			
Middle	Super Fine	2560 x 1920	1/2.7	JPEG	Approx. 3.6	246
	Fine		Approx. 2.2		411	
	Normal		Approx. 1.1		802	
	Basic		Approx. 0.7		1204	
Small	Super Fine	1280 x 960	1/2.7	JPEG	Approx. 0.8	1079
	Fine		Approx. 0.5		1565	
	Normal		Approx. 0.3		2846	
	Basic		Approx. 0.2		4473	

<b>E-420 (Body) includes:</b>	BLS-1 Li-ion Battery	BCS-1 Li-ion Battery Charger	OLYMPUS Master 2 CD-ROM	USB Cable
	Video Cable	EP-4 Eyepiece Cover	Shoulder Strap	
* Camera package may differ depending on the sales area.				
<b>E-420 14-42mm Lens Kit includes:</b>	E-420 (Body)	ZUIKO DIGITAL ED 14-42mm f3.5-5.6		
<b>E-420 25mm Lens Kit includes:</b>	E-420 (Body)	ZUIKO DIGITAL 25mm f2.8		

\* Middle selectable from 3200 x 2400, 2560 x 1920 or 1600 x 1200.  
\* Small selectable from 1280 x 960, 1024 x 768 or 640 x 480.  
\* The figures in the table are typical values. File sizes and the number of recordable pictures vary depending on the settings and subjects.  
\* The number of recordable pictures displayed on the camera shows the value assuming the lowest compression rate.



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The world's smallest digital SLR is here.

OLYMPUS

E-420



Just think of where you can go and what you could do with the world's smallest digital SLR.



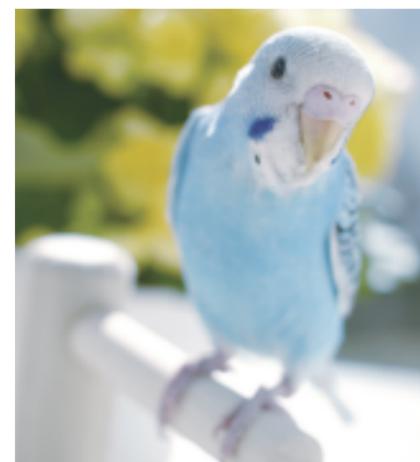
Olympus ZUIKO DIGITAL™ ED 14-42mm f3.5-5.6 [f5.6 1/500 sec.]

Olympus ZUIKO DIGITAL™ 35mm f3.5 Macro [f3.5 1/640 sec.]



It's light. It's compact. It fits comfortably in your hand. It goes anywhere you do. And it has plenty of technology to ensure your photos look amazing.

It's the Olympus E-420, the world's smallest DSLR. Take it everywhere — soccer practices, day trips, vacations, family parties, school events. When you combine the E-420 with our ZUIKO Digital™ 25mm f2.8 lens, the result is one of the most portable DSLRs on the planet. This camera proves without a doubt that a DSLR doesn't have to be full sized to be full featured.



Olympus ZUIKO DIGITAL™ 25mm f2.8 [f4.0 1/800 sec.]



Olympus ZUIKO DIGITAL™ ED 14-42mm f3.5-5.6 [f6.3 1/500 sec.]



## Capture even more with the E-420's advanced Autofocus Live View.

Live View lets you shoot while looking through a high-contrast, color-rich LCD screen. The E-420 features Autofocus Live View. A high-speed Imager Autofocus allows you to view subjects in focus on the screen the instant the shutter button is pressed halfway. You don't have to rely on the viewfinder so you can watch your subject more closely. The E-420 captures all the action and takes photos the same as you would with any point-and-shoot camera.

### Better images with Face Detection and Shadow Adjustment Technology.

You'll find two features integrated into the E-420's Live View technology that provide exceptionally clear, crisp photos. Face Detection targets and locks on up to eight faces in a frame to ensure they're always in focus. Shadow Adjustment Technology captures detail in bright areas of a frame and brings out details hidden by shadows. You'll get images — especially faces and backgrounds — with well-balanced brightness.



Detects up to eight faces automatically

### HyperCrystal™ II lets you see and shoot with amazing clarity.

The E-420 is equipped with a 2.7-inch HyperCrystal™ II LCD featuring high-definition 230,000-dot resolution. With outstanding contrast ratio, sharp color reproduction and a 176° viewing angle, the E-420 clearly displays images even in bright sunlight. Shooting from ground level or over your head is effortless with Olympus's Autofocus Live View.

### Focus with greater precision.

Magnify the image on the LCD up to 10 times its original size to help you focus more precisely. You can also autofocus after magnifying the image.



Magnified to 10x

### Perfect Shot Preview: Instant creativity.

Use Perfect Shot Preview to see the effects of four different exposure or white balance settings. Set the adjustments by selecting one of the images on the screen.



The selected setting is applied.



Olympus ZUIKO DIGITAL™ 35mm f3.5 Macro

## Superior technology that delivers unmatched image quality.

### Zuiko Digital™ lenses built just for DSLRs.

Olympus offers more than 18 digital-specific lenses — the most in the industry — all meticulously crafted from pristine glass and designed to work seamlessly with all our DSLRs. As part of the Four Thirds system, many of our lenses deliver the same imaging power as other lenses twice their size and offer amazing edge-to-edge sharpness.



### Color perfectly captured.

The E-420 features a 10.1 megapixel Live MOS Sensor with improved dynamic range for more natural color reproduction. Our TruePic™ III image processor gives photos true-to-life color and exceptionally fine detail.



### Banish dust from your DSLR.

Once dust gets on the image sensor, it shows up in the same spot on every picture. Our best-in-class Dust Reduction System includes a Supersonic Wave Filter (SSWF) located in front of the image sensor that vibrates at an astonishing 30,000 times per second. Dust is shaken off so you'll always get spot-free photos.



Without Dust Reduction System

## Features that enable creative shooting.

### Built-in Flash

The E-420's built-in flash uses a commander function for combined operation with optional wireless flashes that can be arranged in three groups.

### 3.5 fps Shooting

Never miss a photo. Shoot at a blazing-fast 3.5 fps.

### ISO Sensitivity

Ramp up the ISO to 1600 while our TruePic™ III processor keeps noise to a minimum.

### White Balance

You'll find four white balance modes: Auto, Preset, Custom and One-touch WB. Quickly adjust color balance under the most challenging lighting conditions.

### Shooting Modes

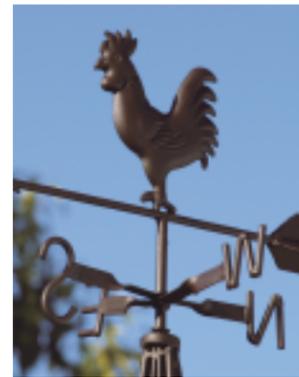
Shoot the way you want. Program AE, Aperture priority, Shutter priority, Manual modes and 18 pre-set Scene Modes are available.

### Picture Modes

Select from Vivid, Natural, Muted, Portrait, Monotone and Custom picture modes.

## Digital-specific lenses.

14-42mm f3.5-5.6 ZUIKO DIGITAL™ ED [28-84mm\*] Covering the range from wide to telephoto zoom, this lens is also suitable for shooting close-ups.



40-150mm f4.0-5.6 ZUIKO DIGITAL™ ED [80-300mm\*] Incredibly small telephoto zoom that's a perfect match for the highly portable E-420.



35mm f3.5 Macro ZUIKO DIGITAL™ [70mm\*] 1x magnification (equivalent to 2x on a 35mm camera) capability allows you to capture small objects in frame-filling size.

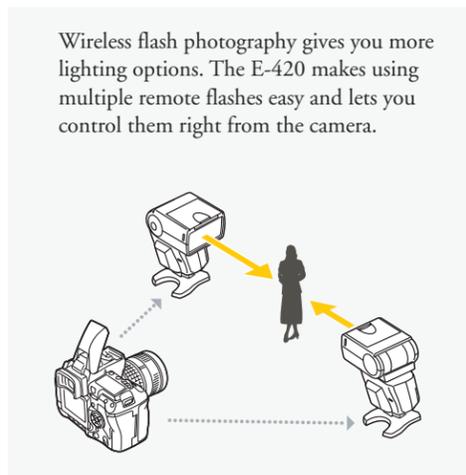


25mm f2.8 ZUIKO DIGITAL™ [50mm\*] Ultra-slim lens offers high portability suitable for a wide range of photographic applications.



## External flashes.

The FL-36R and FL-50R external electronic flashes provide high-intensity lighting and a bounced-light effect. For more creative lighting set-ups, these flashes can be set up in three groups and operated wirelessly using the E-420.



\* 35mm camera equivalent

## You take lots of photos. Manage them all with Olympus software.

**Image Management/Editing Software**  
**OLYMPUS Master 2 (Included)** OLYMPUS Master 2 not only makes it easy to sort your data and organize your photos in folders or albums, it provides easy-to-use editing functions and high-quality RAW data processing.



**System Requirements:** • Compatible OS: Windows Vista/XP/2000, Mac OS X (v10.3 or later) • CPU: [Windows] Pentium III 500 MHz or higher, [Macintosh] PowerPC G3 500 MHz or higher, Intel Core Solo/Duo 1.5 GHz or more • RAM: 256 MB or more (512 MB or more recommended) • HDD: 500 MB or more • Monitor: 1024 x 768 pixel or higher [Windows: 65,536 colors or more (16.77 million colors or more recommended)], [Macintosh: 32,000 colors or more (16.77 million colors or more recommended)] • Other: CD-ROM drive (Required for installation)

**Digital Workflow Software**  
**OLYMPUS Studio 2 (Trial Edition included\*)** OLYMPUS Studio 2 assures a smooth, high-speed digital workflow with features like an image select function, advanced RAW data processing, PC camera control capability and image editing functions.

\*The Trial Edition can only be used for 30 days after installation. After the trial period has expired, online purchase of a license key is required for further use. (Requires Internet connection.)  
**System Requirements:** • Compatible OS: Windows Vista/XP/2000, Mac OS X (v10.3 or later) • CPU: [Windows] Pentium III 500 MHz or higher, [Macintosh] PowerPC G3 500 MHz or higher, Intel Core Solo/Duo 1.5 GHz or more • RAM: 512 MB or more recommended • HDD: 500 MB or more • Monitor: 1024 x 768 pixel or higher [Windows: 65,536 colors or more (16.77 million colors or more recommended)], [Macintosh: 32,000 colors or more (16.77 million colors or more recommended)] • Other: CD-ROM drive (Required for installation)



\*1 Available items may vary depending on the sales area. \*2 Extension Tube EX-25 cannot be attached to ZUIKO DIGITAL ED 14-35mm, 11-22mm, ED 7-14mm or ED 8mm Fisheye. \*3 Some restrictions apply to the use of OM System Lenses attached with the OM Adapter MF-1. Please note that manufacture of OM System Lenses has been discontinued. \*4 The shutter button on the Flash Power Grip does not function when attached to the E-420. Use the camera's shutter button instead. \*5 Wireless connection is only available with FL-50R and FL-36R. FL-20 is not compatible with wireless connection.