

Olympus E-420 Digital SLR

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The world's smallest digital SLR is here.



Full featured doesn't have to mean full sized. Introducing the 10.1 megapixel Olympus E-420. This incredibly compact, lightweight camera is ideal for everyday use and has all the performance of a world-class digital SLR. The E-420's intuitive operation and advanced technology ensure you'll always capture stunning, beautiful photos in any situation.

Olympus developed Live View. Now we're evolving it.

Take photos with the E-420 the same way you do with a digital compact camera. Live View offers real-time "live" viewing of your subject on a high-contrast, high-resolution 2.7" HyperCrystal™ II LCD screen for effortless viewing even in bright, direct sunlight. Live View lets you shoot high- and low-angle shots with ease, plus helps you capture spontaneous shots. With the E-420, you can now Auto Focus within the Live View mode. It works seamlessly and instantly through the shutter button to ensure a clear shot every time.

Now with Face Detection technology.

The E-420's Face Detection feature works with Live View to track up to eight faces in a frame, then automatically focuses and optimizes the exposure for brilliant pictures. Just imagine, perfectly clear, sharp faces in every picture you take.

Pick a scene mode. Take a perfect shot.

With the E-420, you're just one scene mode away from taking the perfect picture. You'll find 18 scene modes — everything from Fireworks to Sport to Beach & Snow — so you can perfectly capture all those tricky shots.

Banish spots forever.

The Olympus Dust Reduction System is an industry first and a proven technology. Every time you turn on the E-420, a Supersonic Wave Filter™ silently vibrates at an astonishing 30,000 times a second. Dust is blasted away, ensuring spot-free photos every time. You can take full advantage of a digital SLR and change lenses without worrying about dust ruining your pictures.

Beautiful photos fast.

The E-420 features our TruePic™ III image processor that provides quick start-up, blazing write speeds and a burst shooting rate of 3.5 fps. In addition to increasing speed, the TruePic III chip minimizes graininess, enhances detail, generates rich, accurate color and ensures smooth color transitions. Shadow Adjustment Technology increases the image's dynamic range and brings out details obscured by shadows for brighter photos.

Lenses built to be digital specific.

Olympus offers the largest selection of lenses — more than 20 — specifically made for digital photography. All of the award-winning Zuiko Digital™ lenses are compatible with the E-420. These precision-crafted lenses are perfectly matched to work with the camera's image sensor so every pixel is exposed. The result? Photos with bright, accurate colors and uncompromising sharpness from one edge of your image to the other that traditional film lenses can't deliver.



Olympus E-420 Digital SLR

Stock Number: E-420 Body; 262080

E-420 Body with 25mm f2.8: 262082

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Product type	Single-lens reflex Live View digital camera with interchangeable lens system
Memory	CompactFlash Type I/II, Microdrive, xD-Picture Card (Dual-Slot)
Screen size	17.3mm (H) x 13.0mm (V)
Lens mount	Four Thirds Mount
Effective Pixels number	10 million pixels
Image Pickup Unit	
Product type	Live MOS Sensor
Total no. of pixels	Approx. 11.8 million pixels
Aspect ratio	1.33 (4:3)
Filter array	Primary color filter (RGB)
LPF	Fixed type
IR cut filter	Hybrid type
Dust reduction	Supersonic Wave Filter (dust reduction system for image sensor)
Recording	
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
File size	RAW: 3648 x 2736 Compressed Approx. 11MB Large: 3648 x 2736 Super fine (1/2.7 compressed) Approx. 6.8MB 3648 x 2736 Fine (1/4 compressed) Approx. 4.7MB 3648 x 2736 Normal (1/8 compressed) Approx. 2.2MB 3648 x 2736 Basic (1/12 compressed) Approx. 1.5MB Middle: 3200 x 2400 Super fine (1/2.7 compressed) Approx. 5.3MB 3200 x 2400 Fine (1/4 compressed) Approx. 3.7MB 3200 x 2400 Normal (1/8 compressed) Approx. 1.7MB 3200 x 2400 Basic (1/12 compressed) Approx. 1.1MB 2560 x 1920 Super fine (1/2.7 compressed) Approx. 3.6MB 2560 x 1920 Fine (1/4 compressed) Approx. 2.2MB 2560 x 1920 Normal (1/8 compressed) Approx. 1.1MB 2560 x 1920 Basic (1/12 compressed) Approx. 0.7MB Small: 1600 x 1200 Super fine (1/2.7 compressed) Approx. 1.3MB 1600 x 1200 Fine (1/4 compressed) Approx. 0.8MB 1600 x 1200 Normal (1/8 compressed) Approx. 0.5MB 1600 x 1200 Basic (1/12 compressed) Approx. 0.3MB 1280 x 960 Super fine (1/2.7 compressed) Approx. 0.8MB 1280 x 960 Fine (1/4 compressed) Approx. 0.5MB 1280 x 960 Normal (1/8 compressed) Approx. 0.3MB 1280 x 960 Basic (1/12 compressed) Approx. 0.2MB 1024 x 768 Super fine (1/2.7 compressed) Approx. 0.5MB 1024 x 768 Fine (1/4 compressed) Approx. 0.4MB 1024 x 768 Normal (1/8 compressed) Approx. 0.2MB 1024 x 768 Basic (1/12 compressed) Approx. 0.1MB 640 x 480 Super fine (1/2.7 compressed) Approx. 0.2MB 640 x 480 Fine (1/4 compressed) Approx. 0.2MB 640 x 480 Normal (1/8 compressed) Approx. 0.1MB 640 x 480 Basic (1/12 compressed) Approx. 0.1MB
Viewfinder	
Product type	Eye-level single-lens reflex viewfinder
Field of view	Approx. 95%
Viewfinder magnification	Approx. 0.92x (~1m ⁻¹ , 50mm lens, infinity)
Eye point	Approx. 14 mm (~1m ⁻¹)
Diopter adjustment range	-3.0 - +1m ⁻¹
Focusing screen	Fixed (Neo Lumi-Micro Mat screen)
Eye piece shutter	Eye piece cap EP-4 supplied
Eye cup	Interchangeable type EP-5/6/7, EP-5 supplied (Magnifier Eye Cup ME-1 is available)
Preview	Can be checked (when left arrow pad is set in preview mode), selectable from the optical viewfinder or rear-mounted LCD monitor
View finder information	Aperture value, Shutter speed, Record mode, AF confirmation mark, Flash, WB, AE lock, Number of storable still images, Exposure compensation value, Metering mode, Battery warning, Exposure mode, AF frame (super impose)
Live View	
AF	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
Image Stabilizer System	Phase-difference detection system, Contrast detection system
Monitor	No
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
Focusing	
AF system	TTL phase-difference detection system, Contrast detection system (with 25mm f2.8, 14-42mm f3.5-5.6, 40-150mm f4.0-5.6)
Focus mode	Single AF (S-AF) / Continuous AF (C-AF) / Manual Focus (MF) / S-AF + MF / C-AF + MF
Focusing point	3-point multiple AF (Auto, selectable in option)
Focusing point selection	Auto/Option selectable
AF luminance range	EV 0 to 19 (at 20°C/68°F, ISO 100)
AF illuminator	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	Interlocked with Continuous AF mode
Focus aid	Available
Exposure Control	
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
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

White Balance	
Auto WB system	Advanced detection system with Live MOS sensor
Pre-set 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)
Custom white balance	1 setting can be registered at Kelvin temperature (2000K - 14000K)
One-touch white balance	1 custom setting can be registered
White balance bracketing	Not available
Color Mode	
Color space	sRGB, Adobe RGB
Picture Mode	
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)
Shutter	
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. (Bulb: up to 8 min. with limiter), Scene program/Scene select mode: 4 - 1/4000 sec. (depends on settings) 1/3EV steps
Self-timer	Operation time: 12 sec., 2 sec. (cancel available)
Remote cable release	Available (with optional RM-UC1 remote cable)
Optical remote control	Operation time: 2 sec., 0 sec., bulb control available (with optional RM-1 remote control)
Anti-shock mode	Available (1 to 30 sec. selectable)
Drive	
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 TBD)
Integrated Flash	
Built-in flash	Retractable flash (Auto pop-up type), GN=12 (ISO 100m)
Compatible external flash	FL-50R, FL-36R, FL-50, FL-36, FL-20
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 ±2 EV in 1/3 EV steps
Flash bracketing	Not available
Wireless Flash Control	
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
Super Control Panel	
Information (shooting)	Battery information, Exposure mode, Shutter speed, Aperture value, Exposure compensation value, ISO sensitivity, Exposure compensation indicator, Exposure indicator, Flash intensity compensation indicator, Date, BKT warning, NR warning, WB, WB compensation value, Picture mode, Flash mode, Record mode, Image size, Card information, Drive mode, Flash intensity compensation value, Metering mode, Recordable still image number, Focusing mode, FP warning, AF frame, AF illuminator, Color mode, Sharpness, Contrast, Saturation, Gradation, Face detection
Information (wireless flash commander)	Exposure mode, Shutter speed, Aperture value, Exposure compensation value bar, Exposure compensation value, Flash compensation value bar, Flash compensation value, ALE notification, Flash compensation notification, NR notification, BKT notification, AF illuminator deactivated notification, Color space, Wireless channel setting, Built-in flash intensity, Group setting
Back light timer	Back light lighting time is selectable. (Keep, 8, 30 sec., 1 min.)
Playback	
Playback modes	Single-frame, Index (4/9/16/25/49/100 frames), Calendar, Close-up (2 - 14X), Slideshow, Picture rotation (auto mode available), Light box
Information Display	Histogram (independent luminance/RGB available), Highlight/Shadow point warning, AF frame, Shooting information
Menu	
Languages	English, French, Spanish, Portuguese
Custom Setting	
Custom function	Left arrow button is available to set some functions (Face detection, Preview, OFF, One touch WB, Live view, Test picture). Drive button is available to set some functions (Drive, AF target selection, S-AF/C-AF/MF selection, WB mode, Metering mode, ISO setting)
Custom reset	2 settings are recordable
Image Editing	
Erasing 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 picture editing	RAW development
JPEG editing	Gradation AUTO, Red-eye reduction, Trimming, Monotone, Sepia, Saturation (color depth), Resize (producing another file)
Print	
Print function	Print reservation (DPOF), Direct print (PictBridge compatible)
Input/Output	
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
Power Requirements	
Battery	BLS-1 Li-ion battery (included)
Sleep mode	Available (1, 3, 5, 10 min., off selectable)
No. of recordable pictures (with 50% flash light)	Approx. 500 (TBD) shots (optical viewfinder) (with BLS-1 under CIPA testing standard)
Dimensions/Weight	
Dimensions	5.09 in. (W) x 3.58 in. (H) x 2.08 in. (D) / 129.5mm (W) x 91mm (H) x 53mm (D) (TBD excluding protrusions) 13.4 oz. / 380g (TBD body only)
Weight	
Operating Environment	
Temperature	0 - 40°C / 32 - 104°F (operation) / 20 - 60°C / 68 - 140°F (storage)
Humidity	30 - 90% (operation) / 10 - 90% (storage)
Box Contents	E-420 body, 14-42mm lens (kit contents), Li-ion battery BLS-1, Li-ion battery charger BCS-1, USB cable, Video cable, Shoulder strap, OLYMPUS Master CD-ROM, Instruction manual, Warranty card, Eye piece cap EP-4

Specifications and design are subject to change without notice.

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