

# 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

E-420 Body with LENS ED 14-42mm F3.5/5.6: 261055

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<b>Product type</b>	Single-lens reflex Live View digital camera with interchangeable lens system
<b>Memory</b>	CompactFlash Type I/II, Microdrive, xD-Picture Card (Dual-Slot)
<b>Imager size</b>	17.3 mm (H) x 13.0 mm (W) (Four Thirds)
<b>Lens mount</b>	Four Thirds Mount
<b>Effective Pixels number</b>	10 million pixels
<b>Image Pickup Unit</b>	
<b>Product type</b>	Live MOS Sensor
<b>Total no. of pixels</b>	Approx. 11.8 million pixels
<b>Aspect ratio</b>	1.33 (4:3)
<b>Filter array</b>	Primary color filter (RGB)
<b>LPF</b>	Fixed type
<b>IR cut filter</b>	Hybrid type
<b>Dust reduction</b>	Supersonic Wave Filter (dust reduction system for image sensor)
<b>Recording</b>	
<b>Recording format</b>	DCF, DPOF compatible/Exif, PRINT Image Matching III
<b>File format</b>	RAW (12-bit), JPEG, RAW+JPEG
<b>Recording image size</b>	[RAW] 3648 x 2736 pixels [JPEG] 3648 x 2736 pixels - 640 x 480 pixels
<b>File size</b>	
	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
<b>Viewfinder</b>	
<b>Product type</b>	Eye-level single-lens reflex viewfinder
<b>Field of view</b>	Approx. 95%
<b>Viewfinder magnification</b>	Approx. 0.92x (~1m <sup>-1</sup> , 50mm lens, infinity)
<b>Eye point</b>	Approx. 14mm (~1m <sup>-1</sup> )
<b>Diopter adjustment range</b>	-3.0 ~ +1m <sup>-1</sup>
<b>Focusing screen</b>	Fixed (Neo Lumi-Micro Mat screen)
<b>Eyepiece shutter</b>	Eye piece cap EP-4 supplied
<b>Eye cup</b>	Interchangeable type EP-5/6/7, EP-5 supplied (Magnifier Eye Cup ME-1 is available)
<b>Preview</b>	Can be checked (when left arrow pad is set in preview mode), selectable from the optical viewfinder or rear-mounted LCD monitor
<b>Viewfinder information</b>	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 (superimpose)
<b>Live View</b>	
<b>AF</b>	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
<b>Image Stabilizer System</b>	High speed imager AF, Phase-difference detection AF
<b>LCD Monitor</b>	No
<b>Product type</b>	HyperCrystal II LCD (semi-transmissive TFT color LCD)
<b>Size</b>	2.7 inches
<b>Total no. of pixels</b>	Approx. 230,000 dots
<b>Playback field of view</b>	100%
<b>Brightness control</b>	15 levels
<b>Color balance</b>	15 levels
<b>Focusing</b>	
<b>AF system</b>	TTL phase-difference detection system, Contrast detection system (with 25mm f2.8, 14-42mm f3.5-5.6, 40-150mm f4.0-5.6)
<b>Focus mode</b>	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
<b>Focusing point</b>	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)
<b>Focusing point selection</b>	Auto/Option selectable
<b>AF luminance range (phase-difference detection system)</b>	EV 0 to 19 (at 20°C/68°F, ISO 100)
<b>AF illuminator (phase-difference detection system)</b>	Built-in flash (External flash available, Inactivation is available to set) Locked at first position of shutter button in Single AF mode / AEL button (customizable)
<b>AF lock</b>	
<b>Focus tracking (phase-difference detection system)</b>	Interlocked with Continuous AF mode
<b>Focus aid</b>	Available
<b>Exposure Control</b>	
<b>Metering system</b>	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
<b>Metering range</b>	EV 1 ~ 20 (Digital ESP metering, Center-weighted average metering, Spot metering) (At normal temperature, 50mm f2, ISO 100)
<b>Exposure mode</b>	(1) Auto (2) Program AE (Program shift can be performed) (3) A: Aperture priority AE (4) S: Shutter priority AE (5) Manual (6) Scene program AE (7) Scene select AE
<b>Scene program AE</b>	Portrait, Landscape, Macro, Sport, Night + Portrait
<b>Scene select AE</b>	Portrait, Landscape, Macro, Sport, 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
<b>ISO sensitivity</b>	AUTO (ISO 100 - 1600) / Manual (ISO 100 - 1600), 1 EV steps
<b>Exposure compensation</b>	±5 EV in 1/3 EV steps
<b>AE lock</b>	Locked by first position of shutter button / AEL button (customizable)
<b>Exposure bracketing</b>	3 frames in 0.3, 0.7, 1 EV steps selectable
<b>White Balance</b>	
<b>Auto WB system</b>	Advanced detection system with Live MOS Sensor
<b>Preset white balance</b>	8 settings (3000K ~ 7500K): Lamp (3000K), Fluorescent 1 (4000K), Fluorescent 2 (4500K), Fluorescent 3 (6600K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K)
<b>White balance compensation</b>	±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 in 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>	sRGB, Adobe RGB
<b>Color space</b>	Vivid, Natural, Muted, Portrait, Monotone (default setting Natural)
<b>Picture Mode</b>	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
<b>Mode</b>	Yellow, Orange, Red or Green filter available for Monotone
<b>Adjustment parameter</b>	Sepia, Blue, Purple or Green tone available for Monotone
<b>Filter effect</b>	4 levels (Auto, High key, Normal, Low key)
<b>Picture tone</b>	Computerized focal-plane shutter
<b>Gradation</b>	Auto mode: 2 - 1/4000 sec. (depends on settings), P(Ps), S, A, M mode: 60 - 1/4000 sec. (Bulb: up to 30 min. with limiter), Scene program/Scene select mode: 4 - 1/4000 sec. (depends on settings) 1/3EV steps
<b>Shutter</b>	Operation time: 12 sec., 2 sec. (cancel available)
<b>Product type</b>	Available (with optional RM-UC1 remote cable)
<b>Shutter speed</b>	Operation time: 2 sec., 0 sec., bulb control available (with optional RM-1 remote control)
<b>Self-timer</b>	Available (1 to 30 sec. selectable)
<b>Remote cable release</b>	Single-frame shooting, Sequential shooting, Self-timer, Remote control
<b>Optical remote control</b>	Approx. 3.5 frames/sec.
<b>Anti-shock mode</b>	RAW mode: Max. 8 frames
<b>Drive</b>	JPEG mode: Depends on compression ratio and no. of pixels (LN mode: approx. up to card capacity with High Speed CF Cards like SanDisk Extreme III)
<b>Drive mode</b>	Single-frame shooting, Sequential shooting, Self-timer, Remote control
<b>Sequential shooting speed</b>	Approx. 3.5 frames/sec.
<b>Max. recordable pictures</b>	RAW mode: Max. 8 frames
<b>On sequential shooting</b>	JPEG mode: up to card capacity with High Speed CF Cards like SanDisk Extreme III
<b>Integrated Flash</b>	Retractable flash (Auto pop-up type), GN=12 (ISO 100m)
<b>Built-in flash</b>	FL-50R, FL-36R, FL-36, FL-20
<b>Compatible external flash</b>	TTL Auto (TTL pre-flash mode), Auto, Manual
<b>Flash control mode</b>	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
<b>Flash mode</b>	1/10 sec. or less, Super FP up to 1/4000 sec.
<b>Synchronization speed</b>	Up to ±2 EV in 1/3 EV steps
<b>Flash intensity control</b>	Not available
<b>Flash bracketing</b>	FL-50R, FL-36R
<b>Wireless Flash Control</b>	Triggered and controlled by built-in flash light
<b>Compatible external flash</b>	TTL Auto (TTL pre-flash mode), Auto, Manual, FP TTL Auto, FP Manual
<b>Control method</b>	4 channels
<b>Number of channels</b>	3 groups
<b>Group setting</b>	
<b>Super Control Panel</b>	
<b>Information (shooting)</b>	Battery information, Exposure mode, Shutter speed, Aperture value, Exposure compensation value, ISO sensitivity, Exposure compensation indicator, Exposure indicator, Flash intensity compensation indicator, Date, BKT setting, NR setting, 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 deactivated notification, Color space, Sharpness, Contrast, Saturation, Gradiation, Face detection, RC mode setting.
<b>Information (wireless flash commander)</b>	Exposure mode, Shutter speed, Aperture value, Exposure compensation indicator, Exposure compensation value, Flash compensation indicator, 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
<b>Back light timer</b>	Back light lighting time is selectable. (Keep, 8, 30 sec., 1 min.)
<b>Playback</b>	
<b>Playback modes</b>	Single-frame, Index (4/9/16/25/49/100 frames), Calendar, Close-up (2 - 14X), Slideshow, Picture rotation (auto mode available), Light box
<b>Information Display</b>	Histogram (independent luminance/RGB available), Highlight/Shadow point warning, AF frame, Shooting information
<b>Menu</b>	English, French, Spanish, Portuguese
<b>Languages</b>	Left arrow button is available to set 6 functions (Face detection, Preview, OFF, One touch WB, Live preview, Test picture). Drive button is available to set 6 functions (Drive, AF target selection, AF mode, WB mode, Metering mode, ISO setting)
<b>Custom Setting</b>	2 settings are recordable
<b>Custom function</b>	Single frame, All frames, Selected frames (with protect function)
<b>Custom reset</b>	Single frame, Selected frames, Release protect (Single/All selected)
<b>Image Editing</b>	Single frame, All frames, Selected frames
<b>Erasing function</b>	RAW development
<b>Protect function</b>	Shadow adjustment, Red-eye fix, Trimming, Monotone, Sepia, Saturation (color depth), Resize (producing another file)
<b>Copy between media</b>	
<b>RAW picture editing</b>	Print reservation (DPOF), Direct print (PictBridge compatible)
<b>JPEG editing</b>	High-speed USB for storage and camera control (MTP mode is available)
<b>Print</b>	Dedicated multi-connector (Video: NTSC/PAL selectable, Optional remote cable RM-UC1 is available)
<b>Print function</b>	Hot shoe
<b>Input/Output</b>	BLS-1 Li-ion battery (included)
<b>PC interface</b>	Available (1, 3, 5, 10 min., off selectable)
<b>USB/Video connector</b>	Approx. 500 (TBD) shots (optical viewfinder)
<b>Flash attachment</b>	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)
<b>Power Requirements</b>	13.4 oz. / 380g (TBD body only)
<b>Battery</b>	0 ~ 40°C / 32 ~ 104°F (operation) / 20 ~ 60°C / 68 ~ 140°F (storage)
<b>Sleep mode</b>	30 ~ 90% (operation) / 10 ~ 90% (storage)
<b>No. of recordable pictures (with 50% flash light)</b>	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
<b>Dimensions/Weight</b>	
<b>Dimensions</b>	
<b>Weight</b>	
<b>Operating Environment</b>	
<b>Temperature</b>	
<b>Humidity</b>	
<b>Box Contents</b>	

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