

E M10 1442 EZ Kit Silver

- Extra large electronic viewfinder
- DSLR like design & usability
- Metal Body (Aluminium)
- Full wireless control
- 12 Art Filters & 6 Art Effects for direct creative enhancement



Take anywhere excellence

The brand new OM D E M10 kit with the ground breaking M.ZUIKO DIGITAL 14 42mm 1:3.5 5.6 EZ is a super slim Micro Four Thirds system camera that features advanced OM D technology, the world's slimmest standard zoom lens*, a robust metal body and timeless good looks.

The E M10's exceptionally bright and super sharp electronic viewfinder (EVF) is significantly bigger than small DSLR viewfinders, giving you all the detail and control you need. The 3 inch 1.037k dot LCD touchscreen can be tilted to shoot high and low shots with ease. You can focus and shoot by simply touching the screen with one finger! Great for all hand held photography: the E M10's in body 3 axis image stabilisation system, for both still shots and full HD movies: it automatically corrects unwanted movement, minimising blur or jolts for smoother, quality results with every lens you use. Our FAST AF is an ultra fast, high precision AF system that covers all your picture taking needs and even ensures perfect tracking of moving subjects making action shots easier than ever! As the most affordable OM D camera, the E M10 offers unbelievable performance for those looking to get serious about their photography now.

*as of December 2013

Specifications

Type

Body material	Magnesium alloy body
Lens mount	Micro Four Thirds

Image Sensor

Type	4/3" Live MOS sensor
Effective pixels	16.1 Megapixels
Filter array	Primary colour filter (RGB)
Aspect ratio & area	4:3 / 17.3 x 13.0mm
Full resolution	17.2 Megapixels

Engine

Type	TruePic VII
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Filter

Dust reduction filter	Supersonic Wave Filter
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Characteristics

Viewfinder type	Electronical Viewfinder
Pixel number	1.440K dots
Diopter adjustment	Yes 4.0 +2.0 diopters / built in type
Field of view	Approx. 100%
Magnification	Max. 1.15x with a 50mm lens set to infinity at 1 dioptre (depending on selected viewfinder style)
Eye point	20mm at 1 dioptre from eyepiece lens
Style	3 styles selectable
Displayed information	Aperture value Shutter speed AF frame (super impose) AF confirmation mark AF lock Auto bracket Battery check Exposure compensation indicator Exposure compensation value indicator Exposure level indicator Exposure mode Flash FP flash IS activating mode Metering mode Number of storable sequential pictures White balance Level Gauge Highlight & Shadow Live Pre-view function Histogram
Brightness adjustment	Adaptive Brightness Technology / Manual settings: +/- 7 levels
Correction of colour temperature	+/- 7 levels

Live View

Displayed information	Aperture Shutter speed Auto bracket AE lock Focus mode Shooting mode Battery check IS activating mode Face / Eye detection mode Record mode ISO Sequential shooting mode White Balance Metering mode Exposure compensation value AF frame display AF confirmation mark Shooting information Spot metering area Super FP Flash status Touch Panel Condition Focal length Flash mode Histogram Level Gauge Highlight & Shadow Focus peaking Number of storable pictures Custom Face detection Flash intensity WiFi
100% field of view	Approx. 100%
Magnification levels	5 / 7 / 10 / 14x

Image Stabiliser

Type	Sensor shift
Modes	Three dimensional, vertical or horizontal activation, automatic
	Up to 3.5 EV steps (CIPA)

Focusing System

Method	Contrast Detection AF system
Focus areas	81 points / All target, Group target (9 areas), Single target (normal), Single target (small)
	800 points / Manual selection in Magnified View Mode
AF lock	Yes , Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised)
Modes	Manual focus Single AF Continuous AF Single AF + MF AF Tracking
AF illuminator	Yes
Full time AF	Yes
Manual focus	Yes , With enlarged focusing area or focus peaking
Face Detection extension	Eye Detect AF: Off Left side priority Near side priority Right side priority
Predictive AF	Yes
AF tracking	Yes , Available in continuous AF mode

Exposure System

Modes	Programme automatic Aperture priority Shutter priority Manual Bulb Time i-Auto Scene Modes Art Filter Photo Story Movie HDR My Mode
Exposure compensation	+/- 5EV (1, 1/2, 1/3 steps)
	Note: Monitor and EVF displays only up to ±3 EV.
Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps)
	7 frames (+/- 1/3, 1/2, 2/3 EV steps)
ISO bracketing	3 frames (1/3, 1/2, 1 EV steps)
AE lock	Yes
My Mode	4 settings storable
Enhancement function	Shadow Adjustment Technology
HDR bracketing	3 / 5 frames (+/- 2 / 3 EV steps)
	7 frames (+/- 2 EV steps)

Scene Modes

Number of scene modes	24
Modes	Portrait e-Portrait Landscape Landscape with Portrait Macro Sports Night Scene Night Scene with portrait Children High key Low key Digital Image Stabilisation Nature Macro Candle Sunset Documents Panorama Fireworks Beach and Snow Fisheye converter Macro converter 3D Wide converter Hand-held Starlight

Multi-Exposure

Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Yes
Frame assistance	Live View

Light Metering

Method	TTL open aperture light metering
Zones	324 zones Multi pattern Sensing System
Detection range	2 - 20 EV (17mm f2.8, ISO 100) 0 - 20 EV when the frame ratio is set at high speed
Modes	ESP light metering Spot metering Centre weighted metering Highlight Shadow

Art Filter

Modes	Pop Art Soft Focus Pale & Light Colour Light Tone Grainy Film Pin Hole Diorama Cross Process Dramatic Tone Gentle Sepia Key Line Water colour
Variation / Effect	Available

Photo Story

Modes	Fun Frame Standard Speed Zoom in / out
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Sensitivity

Auto	ISO LOW 25600 (customisable, default ISO LOW 1600)
Manual	ISO LOW 25600 in 1/3 or 1 EV ISO steps

Shutter

Shutter type	Computerised focal plane shutter
Self timer	2s / 12s / Custom
Modes	

Shutter Speeds

Shutter speed range	1/4000 - 60s (in 1/3, 1/2, 1 EV steps)
Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)

White Balance

AUTO WB system	Advanced detection system with Live MOS sensor
Manual White balance (One-Touch)	Yes
White balance bracketing	3 frames / +/- 2, 4, 6mired steps
One-touch white balance	2 custom settings can be registered
Custom WB	1 setting can be registered at Kelvin temperature (2000K-14000K)
Preset values	Tungsten Flourescent 1 Sunlight Flash Overcast Shade Underwater
Auto Flash adjustment	Off / Auto WB / Flash
Keep warm colour	On / Off

Sequence Shooting

Speed (H)	Approx. 8fps
Speed (L)	3.5fps
Max. number of frames	20 frames (RAW) Up to card capacity (JPG / Large Normal mode)
Conditions	Memory card: Toshiba SDXC UHS I card R95 W80 model Premiugate series "Class 10" 8GB Note: Depending on shooting conditions, the sequential shooting speed may reduce speed during shooting.

Image Processing

Colour space	sRGB / AdobeRGB
Sharpness + Contrast	5 levels
Contrast	5 levels
Saturation	5 levels
Black & White filter	Yellow, Orange, Red, Green
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode
Picture mode	i Enhance, Vivid, Natural, Portrait, Muted, Monotone, Art Filter
Gradation	4levels (auto, high key, normal, low key)
Engine	TruePic VII
Art Filter bracketing	Available
Tele converter effect	2x

Internal Flash

Modes	AUTO Manual Manual (Full, 1/4, 1/16, 1/64) Red-eye reduction Slow synchronisation with red-eye reduction Slow synchronisation Slow synchronisation 2nd curtain Fill-in Off TTL-Auto FP Manual FP TTL Auto
Type	Built in
Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps)
Guide number	8.2 (ISO 200)
X-sync speed	1/250s / 1/4000s (Super FP Mode)

External Flash Control

X-sync speed	1/250s / 1/4000s (Super FP Mode)
Type	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL
Modes	Auto Red-eye reduction Slow synchronisation 2nd curtain and slow synchronisation Fill-in for exclusive flash Manual
Intensity	+/- 3 EV (1/3, 1/2, 1 EV steps)
	Note: Some functions are only available if they are supported by the external flash.

Wireless Flash Control

Number of channels	4 channels
Compatible external flash	FL 36R, FL 50R, FL 300R, FL 600R
Control method	Triggered and controlled by built in flash light
Group setting	4 groups Available when used together with cameras compatible with the Olympus wireless RC flash system.

Monitor

Monitor type	Tiltable LCD Touch Panel
Monitor size	7.6cm / 3.0" (3:2)
Resolution	1.037K dots
Brightness adjustment	+/- 7 levels
Colour balance	+/- 7 levels Vivid (default) / Natural
Touch Control functions	AF area enlargement AF area selection Art Filter Enlargement Enlargement playback Frame forward/backward Live Guide Scene Modes Shooting mode Shutter release Super Control Panel Wifi connection

Level Gauge

Detection	2 axis
Display	Rear display and viewfinder

Super Control Panel

Displayed information	Battery indicator Record mode Shutter speed Aperture value Exposure compensation indicator ISO AE bracketing AF frame Focus mode AEL notification Face detection Number of storable frames Metering mode Exposure mode Exposure level view Flash compensation value Colour space Gradation Colour saturation compensation value Sharpness compensation value Contrast compensation value White balance White balance compensation value Noise reduction Flash mode Drive mode Internal temperature warning Histogram
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Recording Formats

RAW	12bit
RAW & JPEG	Yes parallel recording
JPEG	Yes
Aspect ratio	4:3 / 3:2 / 16:9 / 6:6 / 3:4
MPO (3D)	Yes

Image Size

RAW	4608 x 3456 compressed / 17MB / frame
	4608 x 3456 Fine (compression: 1/4) / 7.5MB / frame
	4608 x 3456 Normal (compression: 1/8) / 3.5MB / frame
Middle	3200 x 2400 / 1.7MB / frame
Small	1280 x 960 / 0.4MB / frame

Still Image Recording

EXIF	2.2
PIM	III
DPOF	Yes
DCF	Yes

Movie Recording System

Recording format	MOV(MPEG 4AVC/H.264), AVI(Motion JPEG)
Image Stabilisation Mode	Yes Sensor shift (3 axis)
HD Movie quality	Full HD 1920 x 1080 (16:9) 30p, 24Mbps (MOV)
	Full HD 1920 x 1080 (16:9) 30p, 16Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 12Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 8Mbps (MOV)
	HD 1280 x 720 (16:9) / 30fps (AVI Motion JPEG®)
Movie quality	640 x 480 / 30fps (AVI Motion JPEG®)
	29min (16Mbps)
	14min (SD) / 7min (HD) (AVI Motion JPEG®)*
Max. file size	4GB (AVCHD)
	2GB (Motion JPEG)
Exposure Modes	Aperture priority Art Filter Manual Programme automatic Shutter priority
	* Some Art Filters are excluded
Movie effects	Multi shot echo One shot echo Art fade One push tele-converter
Art Filter	Cross Process Diorama Dramatic Tone Gentle Sepia Grainy Film Key Line Light Tone Pale & Light Colour Pin Hole Pop Art Soft Focus

Sound Recording System

Internal microphone	Stereo
Recording format	Stereo PCM/16bit, 48kHz, Wave Format Base
Image footage	30s
Speaker	Yes
Microphone functions	Wind Noise Reduction Recording Volume

View Images

Modes	Index Calendar Zoom Slide show Movie Single
Light box	Yes
Histogram in playback mode	Yes
Shooting information	Off / On
Highlight/Shadow point warning	Yes

Erase / Protect / Copy Function

Erase modes	Single, All, Selected
Image protect mode	Single frame, Selected frames, All Frames, Release protect (Single/All selected)

Menu

Menu languages in camera	English, French, German, Spanish, Italian, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croatian, Slovenian, Hungarian, Greek, Slovak, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian
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Customisation Options

Fn Button	Yes
My Mode	4 settings storable (Can be set to mode dial.)
Factory reset	Full / Basic
Programmable button	Yes

Interface

Hot shoe	Yes
Media	SD Memory Card (SDHC, SDXC, UHS I compatible) Class 6 is recommended for Movie shooting
HDMI™	Yes Micro connector (Type D) *
USB 2.0 High Speed	Yes
Combined V & USB output	Yes NTSC or PAL selectable
Wireless connectivity	WiFi
	* "HDMI", the HDMI logo and "High Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Wi-Fi Functions

Easy Connection	QR code setting
Wireless Shooting	Live View Power off Rec View Self timer Touch AF & Shutter P/A/S/M exposure modes Bulb mode Zoom

Power Supply

Battery	BLS 5 Li Ion battery (included) Lithium Ion Battery
Sleep mode	1, 3, 5, 10 min. and off selectable.
Live View shooting	Approx. 320images (50% with Live View)

Environment

Temperature	0 40°C operating temperature / 20 60°C storage temperature
Humidity	30 90% operation humidity / 10 90% storage humidity

Size

Dimensions (W x H x D)	119.1 x 82.3 x 45.9mm (without protrusions)
Weight	396g (including battery and memory card) 350g (body only)

Exterior

Available Colours	Black
	Silver

*As of December 2013