

E-M5 Mark II 1442 EZ Kit Silver

- 5-axis image stabilisation for movies & stills.
- Dust, splash & freezeproof
- Amazing image quality
- Unique dust reduction filter (SSWF)



Most powerful image stabilisation

The OM-D E-M5 Mark II boasts the most powerful image stabilisation (IS) system for blur-free brilliance for superb hand-held stills. Its 5-axis VCM IS also delivers movie-making excellence with cinema-like quality in your hand. The most compact system camera in its class, the light-weight, unobtrusive yet robust OM-D E-M5 Mark II gives you the freedom to tell spectacular stories through your images with total mobility. It also sports OLYMPUS' cutting edge High Res Shot function, enabling 40 megapixel images of still life, works of art, landscapes and architecture, giving you image quality comparable to high-end DSLRs at a fraction of their bulk and weight. Fully sealed it lets you shoot harsh conditions, with WiFi connectivity to your phone for total control and instant picture sharing - the perfect companion for your creativity! An extensive range of high-quality Micro Four Thirds lenses further complements this remarkable camera.

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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Viewfinder

Type	Electronical Viewfinder
Pixel number	2.360K dots
Diopter adjustment	-4.0 - +2.0 diopters / built-in type
Field of view	Approx. 100%
Magnification	Max. 1.48x with a 50mm lens set to infinity at -1 diopetre (depending on selected viewfinder style)
Eye point	21mm at -1 diopetre 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
S-OVF	Expands the Live View dynamic range

*Available in the EVF when in P, A, S and M modes. Art filter, WB and exposure are not reflected in EVF.

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
	Wi-Fi
Field of view	Approx. 100%
Magnification levels	3 / 5 / 7 / 10 / 14x
Dynamic range expansion	When in HDR1 or HDR2

Image Stabiliser

Type	Sensor shift
Modes	Five-dimensional, vertical or horizontal activation, automatic
Effective Compensation Range	Up to 5 EV steps (CIPA)
Live View stabilisation	Available

Focusing System

Method	Contrast Detection AF system
Focus areas	81 points / All target, Group target (9-areas or 5-areas), Single target (normal), Single target (small)
	800 points / Manual selection in Magnified View Mode
AF lock	Available; 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 Stacking
AF illuminator	Equipped
Full time AF	Available
Manual focus	Available; 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	Available
AF tracking	Available; Available in continuous AF mode
Focus peaking	
Colour selection	White, black, red, yellow
Intensity	High / Normal / Low
Back light effect	On / Off
Focus Bracketing Mode	
Number of images	3 - 999 shots
Step size	10 levels
	Compatible with: All Micro Four Thirds AF lenses
Focus Stacking Mode	
Technology	8 shots are taken at different focus points and automatically composited together into a single image
	Compatible with: M.Zuiko Digital ED 60mm F2.8 Macro, M.Zuiko Digital ED 30mm F3.5 Macro, M.Zuiko Digital ED 7-14mm F2.8 PRO, M.Zuiko Digital ED 12-40mm F2.8 PRO, M.Zuiko Digital ED 12-100mm F4 IS PRO, M.Zuiko Digital ED 40-150mm F2.8 PRO, M.Zuiko Digital ED 8mm F1.8 Fisheye PRO, M.Zuiko Digital ED 300mm F4 PRO
	Angle of view becomes slightly smaller

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	+/- 5 EV (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	Available
My Mode	4 settings storable
Enhancement function	Digital Shift Shadow Adjustment Technology
HDR bracketing	3 / 5 frames (+/- 2 / 3 EV steps) 7 frames (+/- 2 EV steps) Flicker Scan: Available for M, S and silent mode (can be confirmed in Live View)

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 Panning

Multi-Exposure

Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Available
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)
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 Vintage Partial Colour* Bleach Bypass
Variation / Effect	Available
Art Filter bracketing	Art Filters selectable * 18 colours selectable

Photo Story

Modes	Fun Frame Standard Speed Zoom in / out Layout
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Sensitivity

Auto	(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

Shutter Speeds

Shutter speed range	1/8000 - 60s (in 1/3, 1/2, 1 EV steps)
Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)
High res shot	
Shutter type	Electronic shutter
Shutter speed	1/8000 - 8s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15, 30s
Resolution	JPEG: 7296 x 5472 / RAW: 9216 x 6912
	Equivalent to 40M pixel sensor (8 shots combined into a single JPEG using sensor shift)
	Available in P/A/S/M mode

Anti-shock mode

Shutter type	Electronic first curtain shutter
Shutter speed	1/320* - 60s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15, 30s
	* For speeds over 1/320 sec., mechanical shutter will automatically be selected.

Silent mode

Shutter type	Electronic shutter
Shutter speed	1/16000 - 60s
Start delay	0, 1/8, 1/4, 1/2, 1, 2, 4, 8, 15, 30s

Flicker Scan

Stills	1/7634 - 1/50s
Movies	1/250 - 1/30s *
	* Frame rates greater 30fps are limited to their reciprocal value

White Balance

AUTO WB system	Advanced detection system with Live MOS sensor
Manual White balance (One-Touch)	Available
White balance bracketing	3 frames / +/- 2, 4, 6 mired 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. 10fps
Speed (L)	5fps
Max. number of frames	16 frames (RAW)
	Up to card capacity (JPG / Large Normal mode)
Conditions	Memory card: TOSHIBA SDHC UHS-II R95 W90 EXCERIA™
	When using the M.Zuiko Digital ED 12-40mm F2.8 Pro

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	4 levels (auto, high key, normal, low key)
Engine	TruePic VII
Art Filter bracketing	Available
Tele converter effect	2x

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
Type	Detachable flash with bounce capability (bundled)
Flash compensation	+/- 3 EV / 1/3, 1/2, 1 EV steps
Guide number	12.9 (ISO 200)
X-sync speed	1/250s

External Flash Control

X-sync speed	1/250s / 1/8000s (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 bundled flash
Group setting	4 groups
	Available when used together with cameras compatible with the Olympus wireless RC flash system.

Monitor

Monitor type	Vari-angle LCD - Touch Panel
Monitor size	7.6cm / 3.0" (3:2)
Resolution	1037K 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 Wi-Fi connection

Level Gauge

Detection	2-axis
Display	Rear display and viewfinder

Recording Formats

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

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	Applied
DCF	Applied

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264), AVI(Motion JPEG)
Time code	Rec run / Free run
	Drop frame / Non-drop frame
Image Stabilisation Mode	Applied Sensor shift
	M-IS1 (Image sensor shift and electronic image stabilizer with multi motion IS)
	M-IS2 (Image sensor shift with multi motion IS)
HD Movie quality	Full HD 1920 x 1080 (16:9) / 30p, 25p, 24p / ALL-I (A-I), IPB (SF, F, N) (MOV)
	Full HD 1920 x 1080 (16:9) / 60p, 50p / IPB (SF, F, N) (MOV)
	HD 1280 x 720 (16:9) / 60p, 50p, 30p, 25p, 24p / ALL-I (A-I), IPB (SF, F, N) (MOV)
	ALL-I (A-I: ~77Mbps)
	IPB (SF: ~52Mbps, F: ~30Mbps, N: ~18Mbps)
	HD 1280 x 720 (16:9) / 30p (MOV)
Movie quality	640 x 480 / 30p (AVI Motion JPEG®)
Picture mode	Flat (LUT file available for download from website)
Maximum Recording Time	29min (MOV)
	14min (SD) / 7min (HD) (AVI Motion JPEG®)*
Max. file size	4GB (AVCHD)
	2GB (Motion-JPEG)
Exposure Modes	Aperture priority
	Manual
	Programme automatic
	Shutter priority
	* Frame rate may drop when using certain art filter
	Class 10 or higher SD card is recommended for movie shooting
	UHS-II or UHS-I U3 card is recommended for ALL-I shooting

Movie Specialties

Time lapse	4k, 1080p, 720p (AVI Motion JPEG®)
Fast motion	Available
Slow motion	Available
Movie clips	1, 2, 4, 8s
	(Extension up to 16s by pressing record button before clip ends.)
Movie effects	Multi shot echo One shot echo Art fade One push tele-converter Old Film
Art Filter	Cross Process Diorama Dramatic Tone Gentle Sepia Grainy Film Key Line Light Tone Pale & Light Colour Pin Hole Pop Art Soft Focus Vintage Partial Colour* Bleach Bypass
	* 18 colours selectable Frame rate limited to 30fps or lower
HDMI Live View	Available (GUI* is shown on connetcted device only and peaking is not available)
	* GUI can be hidden for recording on external drive under following condition. Movie type: YCbCr 4:2:2 / Frame rate: as set / Sound: no
Flicker Scan	Available in M mode (can be confirmed in Live View)

Sound Recording System

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

Linking Olympus PCM Recorders

Functions	Slate Tone / Synchronised Audio Rec-Movie Rec Compatible with: LS-100
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View Images

Modes	Index Calendar Zoom Slide show Movie Single
Light box	Available
Histogram in playback mode	Available
Shooting information	Off / On
Highlight/Shadow point warning	Available
Index	4, 9, 25, 100 frames
Zoom	2 - 14x / 1:1

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

Interface

Hot shoe	Equipped
Media	SD Memory Card (SDHC, SDXC, UHS-I compatible) Class 6 is recommended for Movie shooting
HDMI™	Applied Micro connector (Type D) *
USB 2.0 High Speed	Applied
Combined V & USB output	Equipped NTSC or PAL selectable
Wireless connectivity	Wi-Fi
Tethered control	Available
Microphone jack	3.5 ø mm mini-jack
Earphone jack	3.5 ø mm mini-jack (HLD-8G required)

* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Dimensions / Weight

Width	123.7mm
	417g (body only)
Height	85mm
Depth	44.5mm
Weight	469g (including battery and memory card)

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 Movie recording Live Composite

Power Supply

Battery	BLN-1 Lithium-Ion Battery
Sleep mode	1, 3, 5, 10 min. and off selectable.
Image shooting	750 shots (using Quick Sleep mode)
Movie recording	80min (standard JEITA conditions) 150min (when zoom and other operational functions are not used)

Environment

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

Exterior

Available Colours	Black Silver
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