

E-M10 Mark IV Pancake Kit Silver

- Light, portable, easy to use
- For selfies: flip-down touchscreen
- Envy-worthy image quality



SHOOT. SHARE. INSPIRE.

Meet the E-M10 Mark IV, your new companion for incredible shareable photos of daily life. By your side from dawn till dusk and beyond, the stylish selfie camera wants to capture you in action. Additional highlights include the 20M Live MOS Sensor for perfect results in tricky lighting and at night. 5-Axis Image Stabilization for pin-sharp handheld photography. Self-shot 4k video and a Bluetooth camera remote. Plus there's the right Olympus M. Zuiko lens for every photo op. New Art Filters inspire originality, while Advanced Photography modes let even novices shoot like a pro.

Specifications

Type

Lens mount	Micro Four Thirds
Body material	Engineering plastics

Image Sensor

Type	4/3" Live MOS sensor
Effective pixels	20.3 Megapixels
Filter array	Primary colour filter (RGB)
Aspect ratio & area	4:3 / 17.3 x 13.0mm
Full resolution	21.8 Megapixels

Engine

Type	TruePic VIII
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Filter

Dust reduction filter	Supersonic Wave Filter
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Viewfinder

Type	Electronical Viewfinder
Pixel number	2360K dots
Diopter adjustment	-4.0 - +2.0 diopters / built-in type
Field of view	Approx. 100%
Magnification	Max. 1.23x with a 50mm lens set to infinity at -1 dioptre
Eye point	19.2mm at -1 dioptre from eyepiece lens
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 AE lock
Brightness adjustment	Adaptive Brightness Technology / Manual settings: +/- 2 levels
Correction of colour temperature	+/- 3 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 Wi-Fi
Field of view	Approx. 100%
Magnification levels	5 / 7 / 10 / 14x

Image Stabiliser

Type	Sensor shift
Modes	Five-dimensional, vertical or horizontal activation, automatic
Effective Compensation Range	Up to 4.5 EV steps* (CIPA)
Lens IS priority	Available
Live View stabilisation	Available
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	*When using M.Zuiko Digital ED 14-42mm F3.5-5.6 EZ (focal length =42mm (35mm equivalent: 84mm))

Focusing System

Method	Contrast Detection AF system
Focus areas	121 points / All target, Group target (9-areas), Single target
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 Super Spot AF Face Detection AF
AF illuminator	Equipped
Manual focus	Available; With enlarged focusing area or focus peaking
AF targeting pad	Available (activate/deactivate with double tap on rear monitor)
Face Detection extension	Eye Detect AF: Off Near side priority
Predictive AF	Available
AF tracking	Available; Available in continuous AF mode

Exposure System

Modes	Programme automatic Aperture priority Shutter priority Manual Bulb Time i-Auto Advanced Photo Modes Scene Modes Art Filter Movie Live Time Live Composite
Exposure compensation	+/- 5 EV (1/3 steps)
	Note: Movie shooting, monitor and EVF displays only up to ±3 EV .
AE lock	Available

Advanced Photo Modes

Modes	Live Composite
	Live Bulb
	Multiple Exposure
	HDR Backlight*
	Silent
	Panorama
	Keystone Compensation
	AE bracketing
	AE bracketing

* 4 images automatically shot and combined into a single image composite

Scene Modes

Number of scene modes	21
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Modes	Portrait
	e-Portrait
	Landscape with Portrait
	Night Scene with portrait
	Children
	Sports
	Panning
	Night Scene
	Hand-held Starlight
	Fireworks
	Light trails
	Landscape
	Sunset
	Beach and Snow
	Candle
	Silent mode
	Backlight HDR
	Macro
	Nature Macro
	Documents
	Multi Focus

Multi-Exposure

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

Light Metering

Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	-2 - 20 EV (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
	Gentle Sepia
	Dramatic Tone
	Key Line
	Water colour
	Vintage
	Partial Colour*
	Bleach Bypass
	Instant Film
Variation / Effect	Available
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Sensitivity

Auto	ISO LOW* - 6400
Manual	ISO LOW - 25600 (adjustable in 1/3 EV step)
	*approx. 100

Shutter

Shutter type	Computerised focal-plane shutter
Self timer	2s / 12s / Custom
Modes	Single frame
	Sequential shooting
	Self timer

Shutter Speeds

Standard operation	
Shutter speed range	1/4000 - 60s (in 1/3 EV steps)
Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)
Silent mode	
Shutter type	Electronic shutter
Shutter speed	1/16000 - 60s
Anti-shock mode	
Shutter type	Electronic first curtain shutter
Shutter speed	1/320* - 60s
	* For speeds over 1/320 sec., mechanical shutter will automatically be selected.

White Balance

Manual White balance (One-Touch)	Available
One-touch white balance	4 custom settings can be registered
Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)
Preset values	Sunlight Shade Overcast Tungsten Flourescent 1 Flash
Auto Flash adjustment	Off / Auto WB / Flash
Keep warm colour	On / Off

Sequence Shooting

Speed (H)	Approx. 8.7fps
Speed (L)	5fps (IS on)
Max. number of frames	Up to card capacity (RAW) Up to card capacity (JPG / Large Normal mode)
Conditions	Memory card: Toshiba SDHC UHS-II SDXU-D032G Note: Depending on shooting conditions, the sequential shooting speed may reduce speed during shooting.
Speed (H)	Approx. 15fps
Speed (L)	Approx. 6.3fps
	Max. number of frames: RAW 42 / JPG (LF): 49
	Max. number of frames: RAW 945 / JPG (LF): Up to card capacity

Image Processing

Art Filter bracketing	Available
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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	Built-in
Flash compensation	+/- 3 EV / 1/3 EV steps
Guide number	7.2 (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 Note: Some functions are only available if they are supported by the external flash.
Compatible external flash	FL-14, FL-20, FL-36R, FL-50R, FL-300R, FL-600R, FL-700WR, FL-900R, STF-8

Wireless Flash Control

Compatible external flash	FL-36R, FL-50R, FL-300R, FL-600R, FL-700WR, FL-900R
Control method	Triggered and controlled (Olympus Wireless RC Flash system)
	Commander flash: FL-900R, FL-700WR, FL-600R, STF-8 (no control with internal flash)
	Available when used together with flashes from the Olympus wireless RC flash system.

Radio control

Radio wireless control	Available when attaching optional flash commander.
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Compatible commander	FC-WR, FL-700WR
	For more details see specifications of commander units.

Compatible receiver	FL-700WR, FR-WR + wireless RC system flash
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Modes	Auto FP Manual FP TTL FP TTL Auto Manual
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Monitor

Monitor type	Tiltable 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	Shutter release AF area enlargement AF area selection Art Filter Enlargement Enlargement playback Frame forward/backward Live Guide Scene Modes Shooting mode Super Control Panel Wi-Fi connection
Tilt angle	80° (up) 180° (down)

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

Still Image Recording

EXIF	2.3
DCF	Applied

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264)
Image Stabilisation Mode	Applied Hybrid sensor shift + digital (5-axis)
	3840 x 2160 (4K) / 30p, 25p, 24p / IPB (approx. 102 Mbps)
HD Movie quality	Full HD 1920 x 1080 (16:9) / 30p, 25p, 24p (MOV)
	Full HD 1920 x 1080 (16:9) / 60p, 50p / IPB (F,N) / (MOV) (MOV)
	HD 1280 x 720 (16:9) / 60p, 50p, 30p, 25p, 24p (MOV)
Maximum Recording Time	29min (MOV)
Exposure Modes	Aperture priority Art Filter Manual Programme automatic Shutter priority
	* Frame rate may drop when using certain art filter

Movie Specialties

High-Speed Recording	720P / 120fps
Time lapse	4k, 1080p, 720p Available
Art Filter	Cross Process Diorama Dramatic Tone Gentle Sepia Grainy Film Key Line Light Tone Pale & Light Colour Pin Hole Soft Focus Pop Art Bleach Bypass

* Not available for 4K and High Speed movies

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

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

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
Factory reset	Full / Basic
Programmable button	Equipped

Interface

Hot shoe	Equipped
Media	SD Memory Card (SDHC, SDXC, UHS-I, UHS-II compatible) Class 10 or higher SD card is recommended for movie shooting
HDMI™	Applied Micro connector (Type D) *
USB 2.0 High Speed	Applied
Wireless connectivity	Wi-Fi Bluetooth®
Communication method	Bluetooth® Low Energy Ver.4.2
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC. * Wi-Fi is a registered trademark of the Wi-Fi Alliance. ** The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by OLYMPUS CORPORATION is under license.

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 Live Composite Zoom Aperture priority Manual
Image Share	Automatic transfer is possible via Share Order JPEG, MOV
GPS info	Available through Smartphone GPS data

Power Supply

Battery	BLS-50 Lithium-Ion Battery (included)
Sleep mode	1, 3, 5, 10 min. and off selectable.
Live View shooting	Approx. 360images (50% with Live View) (using BLS-50 and TOSHIBA SD with IS ON, based on CIPA testing standards)
Movie recording	80min (standard JEITA conditions) 140min (When repeatedly recording at the maximum time of 29 minutes, using M.Zuiko Digital ED 14-42mm F3.5-5.6 EZ, 4K video shooting)

Environment

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

Dimensions / Weight

Width	121.7mm
Height	84.6mm
Depth	49mm
Weight	383g (including battery and memory card)

Exterior

Available Colours	Black Silver
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