Specifications
E-PL8

Type

Body material	Metal
Lens mount	Micro Four Thirds

Image Sensor

Effective pixels	16.1 Megapixels

Engine

Type	TruePic VII

Filter

Dust reduction filter	Supersonic Wave Filter

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
Field of view	Approx. 100 %
Magnification levels	5 / 7 / 10 / 14 x
Display modes	Comparison, Grid (4 types), Grid, Histogram, Level Gauge, Magnified View, Standard information, Off
Effect preview	Art Filter, Aspect ratio, Exposure, Exposure compensation, Gradation (SAT), Auto gradation, Multi-Exposure, Perfect Shot Preview, White Balance

Image Stabiliser

Type	Sensor shift
Lens IS priority	Available
Modes	Three-dimensional, vertical or horizontal activation, automatic
Live View stabilisation	Yes
Effective Compensation Range	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

Focusing System

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 C-AF and AF tracking only with Micro Four Thirds lenses!

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: Movie shooting, 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, 2/3 EV steps)
ISO bracketing	3 frames (1/3, 1/2, 1 EV steps)
AE lock	Yes
My Mode	4 settings storable
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)
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, Partial Colour*, Vintage * 18 colours selectable
Variation / Effect	Available

Photo Story

Modes	Fun Frame, Standard, Speed, Zoom in / out, Layout* * Variable Picture Mode for each frame

Sensitivity

Auto	ISO 200 - 25600 (customisable, default ISO 200 - 1600)
Manual	ISO LOW - 25600 in 1/3 or 1 EV ISO steps

Shutter

Shutter type	Electronically controlled focal plane shutter
Self timer	2 s / 12 s / Custom Custom (delay 1-30sec.,shooting interval 0.5/1/2/3sec.,number of shots 1-10) Every time AF: ON/OFF
Modes	Bracketing, Self timer, Sequential shooting, Single frame
Anti Shock	Yes, release delay: 1/320 - 60 s

Shutter Speeds

Shutter speed range	1/4000 - 60 s (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, 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. 8.5 fps
Speed (L)	3.7 fps
Max. number of frames	20 frames (RAW) Up to card capacity (JPG / Large Normal mode)
Conditions	Memory card: TOSHIBA SDHC UHS-II R95 W90 EXCERIA™

Sequence Shooting

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	4 levels (auto, high key, normal, low key)
Engine	TruePic VII
Art Filter bracketing	Available
Tele converter effect	2 x
Noise Filter	Yes, 4 levels (Off, Low, Standard, High)

Internal Flash

Flash compensation	+/- 3 EV / 1/3, 1/2, 1 EV steps
Guide number	10 (ISO 200)
X-sync speed	1/250 s / 1/4000 s (Super FP Mode)

External Flash Control

X-sync speed	1/200 s / 1/4000 s (Super FP Mode)
	1/160 s (RC 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, FL-900R
Control method	Triggered and controlled (Olympus Wireless RC Flash system)
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
Tilt angle	80 ° (up) 180 ° (down)
Monitor size	7.6 cm / 3.0 ,' (3:2)
Resolution	1,037 K dots
Brightness adjustment	+/- 7 levels

Monitor

Colour balance	+/- 7 levels Vivid (default) / Natural
Touch Control fucntions	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, Selfie shutter release

Level Gauge

Detection	2-axis
Display	Rear LCD monitor

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

Recording Formats

RAW	12 bit
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	
	4608 x 3456 Fine	(compression: 1/4)
Middle	3200 x 2400	
Small	1280 x 960	

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) / 30fps / IPB (F,N) / (MOV)
	HD 1280 x 720 (16:9) / 30p (MOV)
Maximum Recording Time	29 min
	14 min (SD) / 7 min (HD) (AVI Motion JPEG®)*
Max. file size	4 GB (AVCHD)

Movie Recording System

	2 GB (Motion-JPEG)
Exposure Modes	Aperture priority, Art Filter, Manual, Programme automatic, Shutter priority
	* Some Art Filters are excluded

Movie Specialties

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*
	* 18 colours selectable

Sound Recording System

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

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)

Image Editing

Editing functions	RAW data edit, Red-eye reduction, Sepia, Black & White, Resize, Correction of saturation, Gradation auto, Correction of brightness, Correction of colour balance, Shadow Adjustment, Trimming, e-Portrait, Aspect ratio

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

Customisation Options

Fn Button	Yes
My Mode	4 settings storable (Can be set to mode dial.)
Programmable button	Yes

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Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer.

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.
Connection	Accessory Port 2

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, Aperture priority, Manual, Shutter priority, Sequential shooting, Short movie
Image Share	File type: JPEG, MOV
	Simultaneuosly connectable devices: 4
	Privacy function
GPS info	Available through Smartphone GPS data

Power Supply

Battery	BLS-50 Lithium-Ion Battery (included)
Sleep mode	1, 3, 5min. and off selectable.
Live View shooting	Approx. 350 images (100% with Live View)
Movie recording	90 min (standard JEITA conditions) 150 min (when zoom and other operational functions are not used)

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)	117.9 x 68.3 x 38.4 mm (without protrusions)
Weight	374 g (including battery and memory card)