Specifications
E-P5

OLYMPUS

Type
Body material	Metal
Lens mount	Micro Four Thirds

Image Sensor
Type	4/3'' Live MOS sensor
Effective pixels	16.1 Megapixels
Aspect ratio & area	4:3 / 17.3 x 13.0mm
Full resolution	17.2 Megapixels

Engine
Type	TruePic VI

Image Stabiliser
Type	Sensor shift
Modes	Five-dimensional, vertical or horizontal activation, automatic
Effective Compensation Range	Up to 5 EV steps

Live View
Displayed information	Aperture, Shutter speed, Auto bracket, AE lock, Focus mode, Shooting mode, Battery check, My Mode, IS activating mode, Internal temperature warning, 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, Eye-Fi condition, Flash mode, Histogram, Custom, Face detection
AF type	Contrast detection system
100% field of view	Approx. 100 %
Magnification levels	5 / 7 / 10 / 14 x

Level Gauge
Detection	2-axis
Display	Rear display and viewfinder

Monitor
Monitor type	Tiltable LCD- Touch Panel
Monitor size	7.6cm / 3.0''
Resolution	1037000 dots
Brightness adjustment	+/- 7 levels
Colour balance	+/- 7 levels Vivid (default) / Natural
Touch Control fucntions	AF area enlargement, AF area selection, Enlargement, Enlargement playback, Frame forward/backward, Live Guide, Scene Modes, Shooting mode, Shutter release, Super Control Panel, Wifi connection

Focusing System
Method	Contrast Detection AF system
Focus areas	35 points / Automatic and manual selection / Auto selection with Face Detection ON 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, Super Spot AF
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, Right side priority, Near side priority
Predictive AF	Yes
AF tracking	Yes, Available in continuous AF mode

Light Metering
Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	0 - 20 EV (17mm f2.8, ISO 100)
Modes	ESP light metering, Spot metering, Centre weighted metering, Highlight, Shadow

Exposure System
Modes	Programme automatic, Aperture priority, Shutter priority, Manual, Bulb, Time, i-Auto, Scene Modes, Art Filter, Photo Story, My Mode
Exposure compensation	+/- 3EV (1, 1/2, 1/3 steps)
Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps) 7 frames (+/- 1/3, 1/2, 2/3 EV steps)
HDR bracketing	3 / 5 frames (+/- 2 / 3 EV steps) 7 frames (+/- 2 EV steps) Note: HDR picture can not be made by this function.
ISO bracketing	3 frames (1/3, 1/2, 1 EV steps)
AE lock	Yes, (Fn1/Rec button)
My Mode	4 settings storable
Enhancement function	Shadow Adjustment Technology

Scene Modes
Number of scene modes	25
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, Underwater Macro, Underwater Wide

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

Multi-Exposure
Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Yes

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 (delay 1-30sec.,shooting interval 0.5/1/2/3sec.,number of shots 1-10)
Anti Shock	Yes, release delay: 1/8 - 30s

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)

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

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

Sequence Shooting
Speed (H)	Approx. 9 fps
Speed (L)	5 fps (IS off), 4.5 fps (IS on)
Max. number of frames	18 frames (RAW)
Conditions	Up to card capacity (JPG / Large Normal mode) 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.
Interval shooting	Interval: 1 s - 24 Max. number of frames: 99

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 VI
Art Filter bracketing	Available
Tele converter effect	2 x
Image Editing	RAW data edit, Red-eye reduction, Sepia, Black & White, Resize, Correction of saturation, Shadow Adjustment, Trimming, e-Portrait, Gradation auto

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264), AVI(Motion JPEG)
Image Stabilisation Mode	Yes, Sensor shift (5-axis)
HD Movie quality	Full HD 1920 x 1080 (16:9) 30p, 20Mbps (MOV)
	Full HD 1920 x 1080 (16:9) 30p, 17Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 13Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 10Mbps (MOV)
	HD 1280 x 720 (16:9) / 30fps (AVI Motion JPEG®)
Movie quality	640 x 480 / 30fps (AVI Motion JPEG®)
Time laps	1280 x 720 / 10 fps (AVI Motion JPEG®)
	29min (17Mbps)
	14min (SD) / 7 min (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 Filter	

Sound Recording System

Internal microphone	Stereo
Recording format	Stereo PCM/16bit, 48kHz, Wave Format Base
External microphone	Optional
Image footage	30s
Speaker	Yes
Microphone functions	

Image Size

RAW	4608 x 3456 compressed /
	4608 x 3456 Fine (compression: 1/4) / 7.5 MB / frame
	4608 x 3456 Normal (compression: 1/8) / 3.5 MB / frame
	2560 x 1920 Normal (compression: 1/8) 1.1 MB / frame
	1024 x 768 Normal (compression: 1/8) / 0.3 MB / frame

View Images

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

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
Type	Internal Flash
Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps)
Guide number	10 (ISO 200)
X-sync speed	1/320 s / 1/4000 s (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

Power Supply

Battery	BLN-1 Lithium-Ion Battery
Sleep mode	1, 3, 5, 10 min. and off selectable.
Live View shooting	Approx. 400images (50% with Live View)

Interface

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	
Connection	Accessory Port 2
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Wi-Fi Functions

GPS info	Available through Smartphone GPS data
Wireless Shooting	Live View, Rec View, Touch AF & Shutter, Self timer, Power off
Image Share	File type: JPEG, MOV
	Simultaneuosly connectable devices: 4
	Privacy function
Easy Connection	QR code setting
	Note: Shooting mode is fixed on i-Auto

Size

Dimensions (W x H x D)	122.3 x 68.9 x 37.2mm
Weight	420g (including battery and memory card)
	378g (body only)

Exterior

Available Colours	Black, Silver, White