

Type		Exposure System	
Body material	Magnesium alloy body	Modes	Programme automatic, Aperture priority, Shutter priority, Manual, Bulb, Time, i-Auto, Scene Modes, Art Filter, Photo Story
Lens mount	Micro Four Thirds	Exposure compensation	+/- 5EV (1, 1/2, 1/3 steps)
Image Sensor		Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps)
Type	4/3" Live MOS sensor	ISO bracketing	7 frames (+/- 1/3, 1/2, 2/3 EV steps)
Effective pixels	16.3 Megapixels	AE lock	Yes
Aspect ratio & area	4:3 / 17.3 x 13.0mm	My Mode	4 settings storable
Full resolution	16.8 Megapixels	Enhancement function	Shadow Adjustment Technology
Engine		Scene Modes	
Type	TruePic VII	Number of scene modes	24
Image Stabiliser		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
Type	Sensor shift	Art Filter	
Modes	Five-dimensional, vertical or horizontal activation	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
Effective Compensation Range	Up to 5 EV steps Up to 4 EV steps(CIPA)	Variation / Effect	Available
Characteristics		Multi-Exposure	
Viewfinder type	Electronical Viewfinder	Max. number of frames	2 frames (shooting) 3 frames (editing)
Pixel number	2.36K dots	Auto gain control	Yes
Dioptr adjustment	Yes, -4.0 - +2.0 diopters / built-in type	Sensitivity	
Field of view	Approx. 100%	Auto	ISO LOW - 25600 (customisable, default ISO LOW - 1600)
Magnification	Max. 1.48x with a 50mm lens set to infinity at -1 dioptre (depending on selected viewfinder style)	Manual	ISO LOW - 25600 in 1/3 or 1 EV ISO steps
Eye point	21mm at -1 dioptre from eyepiece lens	Shutter	
Style	3 styles selectable	Shutter type	Computerised focal-plane shutter
Brightness adjustment	+/- 7 levels	Self timer	2s / 12s
Correction of colour temperature	+/- 7 levels	Shutter Speeds	
Live View		Shutter speed range	1/8000 - 60s (in 1/3, 1/2, 1 EV steps)
Displayed information	Aperture, Shutter speed, Auto bracket, AE lock, Focus mode, Shooting mode, Battery check, 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	Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)
AF type	Contrast detection autofocus and phase difference detection autofocus	White Balance	
100% field of view	Approx. 100 %	AUTO WB system	Advanced detection system with Live MOS sensor
Magnification levels	5 / 7 / 10 / 14 x	Manual White balance (One-Touch)	Yes
Level Gauge		White balance bracketing	3 frames / +/- 2, 4, 6 mired steps
Detection	2-axis	One-touch white balance	2 custom settings can be registered
Display	Rear display and viewfinder	Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)
Monitor		Preset values	Tungsten, Flourescent 1, Sunlight, Flash, Overcast, Shade, Underwater
Monitor type	Tiltable LCD- Touch Panel	Auto Flash adjustment	Off / Auto WB / Flash
Monitor size	7.6cm / 3.0"	Keep warm colour	On / Off
Resolution	1037000 dots	Recording Formats	
Brightness adjustment	+/- 7 levels	RAW	12bit
Colour balance	+/- 3 levels Vivid (default) / Natural	RAW & JPEG	Yes, parallel recording
Focusing System		JPEG	Yes
Method	High-speed imager AF (Contrast detection / Phase-difference detection)	Aspect ratio	4:3 / 3:2 / 16:9 / 6:6 / 3:4
Focus areas	81 points / All target, Group target (9-areas), Single target (normal), Single target (small) 37 points / Phase-difference detection AF - All target, Group target (9-areas), Single target (normal), Single target (small) 800 points / Manual selection in Magnified View Mode	MPO (3D)	Yes
AF lock	Yes, Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised)	Sequence Shooting	
Modes	Manual focus, Single AF, Continuous AF, Single AF + MF, AF Tracking	Speed (H)	Approx. 10 fps
AF illuminator	Yes	Speed (L)	6.5 fps (IS off), 3.5 fps (IS on)
Full time AF	Yes	Max. number of frames	50 frames (RAW)
Manual focus	Yes, With enlarged focusing area	Conditions	Up to card capacity (JPG / Large Normal mode)
Face Detection extension	Eye Detect AF: Off, Left side priority, Near side priority, Right side priority	Memory card:	Toshiba SDXC UHS-I card R95 W80 model Premiugate series "Class 10" 8GB
Predictive AF	Yes	Note: Depending on shooting conditions, the sequential shooting speed may reduce speed during shooting.	
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		

Image Processing		Wireless Flash Control	
Colour space	sRGB / AdobeRGB	Number of channels	4 channels
Sharpness + Contrast	5 levels	Compatible external flash	FL-36R, FL-50R, FL-300R, FL-600R
Contrast	5 levels	Control method	Triggered and controlled by built-in flash light
Saturation	5 levels	Group setting	4 groups
Black & White filter	Yellow, Orange, Red, Green		Available when used together with cameras compatible with the Olympus wireless RC flash system.
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode	Power Supply	
Picture mode	i-Enhance, Vivid, Natural, Portrait, Muted, Monotone, Art Filter	Battery	Lithium-Ion Battery
Gradation	4 levels (auto, high key, normal, low key)	Sleep mode	1, 3, 5, 10 min. and off selectable.
Engine	TruePic VII	Live View shooting	Approx. 330images (50% with Live View)
Art Filter bracketing	Available	Interface	
Tele converter effect	2 x	Media	SD Memory Card (SDHC, SDXC, UHS-I compatible) Class 6 is recommended for Movie shooting
Image Editing	RAW data edit, Red-eye reduction, Sepia, Black & White, Resize, Correction of saturation, Shadow Adjustment, Trimming, e-Portrait	HDMI™	Yes, Micro connector (Type D)*
Movie Recording System		USB 2.0 High Speed	Yes
Recording format	MOV(MPEG-4AVC/H.264), AVI(Motion JPEG)	Combined V & USB output	Yes, NTSC or PAL selectable
Image Stabilisation Mode	Yes, Sensor shift	Microphone jack	2.5 ø mm mini-jack
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®)	Connection	Accessory Port 2
Movie quality	640 x 480 / 30fps (AVI Motion JPEG®) 29min (17Mbps) 14min (SD) / 7 min (HD) (AVI Motion JPEG®)*	Synchro socket	Yes
Max. file size	4GB (AVCHD) 2GB (Motion-JPEG)	Wireless connectivity	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Exposure Modes	Aperture priority, Art Filter, Manual, Programme automatic, Shutter priority * Some Art Filters are excluded	Wi-Fi Functions	
Movie effects	Multi shot echo, One shot echo	Easy Connection	QR code setting
Sound Recording System		Wireless Shooting	Live View, Power off, Rec View, Self timer, Touch AF & Shutter, P/A/S/M exposure modes, Bulb mode
Internal microphone	Stereo	Other Features	
Recording format	Stereo PCM/16bit, 48kHz, Wave Format Base	Weatherproof	Yes
External microphone	Optional	Dustproof	Yes
Image footage	30s	Freezeproof	Freezeproof down to -10°C
Speaker	Yes	Size	
Microphone functions		Dimensions (W x H x D)	130.4 x 93.5 x 63.1mm
Image Size		Weight	497g (including battery and memory card) 443g (body only)
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) / 0.4 MB / frame	View Images	
View Images		Modes	Index, Calendar, Zoom, Slide show, Movie, Single
Modes	Index, Calendar, Zoom, Slide show, Movie, Single	Light box	Yes
Light box	Yes	Histogram in playback mode	Yes
Histogram in playback mode	Yes	Shooting information	Off / On
Shooting information	Off / On	Internal Flash	
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
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	Detachable flash (bundled)
Type	Detachable flash (bundled)	Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps)
Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps)	Guide number	10 (ISO 200)
Guide number	10 (ISO 200)	X-sync speed	1/320 s
X-sync speed	1/320 s	External Flash Control	
External Flash Control		X-sync speed	1/250s / 1/4000s (Super FP Mode)
X-sync speed	1/250s / 1/4000s (Super FP Mode)	Type	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL
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
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.
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