

Specifications XZ-1

OLYMPUS

Type	
Body material	Aluminium /Plastic
Image Sensor	
Type	1/1.63" CCD sensor
Effective pixels	10 Megapixels
Aspect ratio & area	4:3 /
Full resolution	11.3 Megapixels
Engine	
Type	TruePic V
Image Stabiliser	
Type	Sensor shift
Modes	Two-dimensional
Effective Compensation Range	Up to 2 EV steps
Shutter speed range	2 - 1/2000 s (not available when Bulb is selected)
Lens	
Focal length	6.0 - 24.0mm
Focal length (equiv. 35mm)	28 - 112mm
Maximum aperture	1.8 - 2.5
Optical zoom	4x
Live View	
AF type	Contrast detection system
Displayed information	exposure adjustment preview, Shooting information, 100% field of view, face detection preview, Perfect Shot Preview, 7x/10x magnification possible, MF/S-AF, AF frame display, AF point display, Histogram
Monitor	
Monitor type	OLED
Monitor size	7.6cm / 3.0"
Resolution	610,000 dots
Focusing System	
Method	Contrast Detection AF system
Focus areas	11 points / Automatic and manual selection 225 points / Manual selection in Magnified View Mode
AF lock	Yes, Locked by first position of shutter release button in single AF mode
AF illuminator	Yes
Modes	Manual focus, Single AF, AF Tracking, Face Detection AF, Macro mode, SuperMacro mode
Light Metering	
Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	0 - 17 EV Digital ESP, centre-weighted average metering, spot metering
Modes	ESP light metering, Spot metering, Centre weighted metering
Exposure System	
Exposure compensation	+/- 2EV (1/3 steps)
Exposure bracketing	Face Detection Technology
Modes	Programme automatic, Shutter priority, Aperture priority, Manual, i-Auto, Scene Modes, Movie, Art Filter, Custom shooting, Low light
Number of scene modes	18, Portrait, e-Portrait, Landscape, Night Scene, Night Scene with portrait, Indoor, Sunset, Self-portrait, Sports, Documents, Panorama, Fireworks, Beach and Snow, Underwater Macro, Pet, Cuisine, Multi-Exposure, Underwater Wide
Art Filters	Pop Art, Soft Focus, Grainy Film, Pin Hole, Diorama, Dramatic Tone
Multi-Exposure	
Max. number of frames	2 frames (shooting)
Frame assistance	Live View
Sensitivity	
Auto	ISO 100 - 800
Manual	ISO 100 - 6400 (adjustable in 1/3 EV step)
Shutter	
Self timer	12s / 2s
Shutter Speeds	
Shutter speed range	1/2000 - 60s
Bulb mode	1/2000 - 60s Up to 16 minutes

White Balance	
AUTO WB system	Yes
One-touch white balance	1 custom settings can be registered
White balance adjustment	+/- 7 in each A-B / G-M axis (in Auto WB, preset WB mode & one-touch WB)
Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)
Preset values	Tungsten, Flourescent 1, Flourescent 2, Sunlight, Flash, Overcast, Shade, Under Water Auto
Recording Formats	
RAW	12bit
RAW & JPEG	Yes, parallel recording
JPEG	Yes
Aspect ratio	4:3 / 3:2 / 16:9 / 6:6
Sequence Shooting	
Speed	2 fps
RAW Mode	8 frames
Sequential shooting mode	7 fps / 20 frames (approx.) in HQ JPEG mode
Sequential shooting mode (high speed)	15 fps (without mechanical shutter movement)
Image Processing	
Colour space	sRGB
Sharpness + 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	Vivid, Natural, Muted, Black & White.
Gradation	4 levels (auto, high key, normal, low key)
Image Editing	RAW data edit, Red-eye reduction, Sepia, Resize, Correction of saturation, Shadow Adjustment, Trimming, e-Portrait
Movie Recording System	
Recording format	AVI Motion JPEG®
Movie mode	HD 1280 x 720 (16:9) / SD 640 x 480 (4:3)
Frame rate	30fps
Max. recording time	14min (SD) / 7 min (HD)
Max. file size	2GB
Compression ratio	1/12
Sensitivity	ISO 200 - 1600
Image Stabilisation Mode	Yes, Digital Image Stabilisation
Sound Recording System	
Internal microphone	Mono
External microphone	Optional
Recording format	Stereo PCM/16bit, 44.1kHz, Wave Format Base
Image footage	30s
Image Size	
RAW	3648 x 2736compressed
Large	3648 x 2736Fine (compression: 1/4) 3648 x 2736Normal (compression: 1/8)
Middle	3200 x 2400Normal (compression: 1/8)
Small	1280 x 960Normal (compression: 1/8)
View Images	
Modes	Index, Calendar, Zoom, Slide show, Movie
Auto rotation	Yes
Histogram in playback mode	Yes
Shooting information	Off / On
Image protect mode	Yes
Internal Flash	
Type	pop-up
Modes	AUTO
External Flash Control	
Type	TTL Auto for Olympus dedicated flash, Auto or Manual
Modes	Auto, Red-eye reduction, Slow synchronisation with red-eye reduction, Slow synchronisation, 2nd curtain and slow synchronisation, Fill-in for exclusive flash, Manual
Type	TTL Auto for Olympus dedicated flash, Auto or Manual

Specifications XZ-1

OLYMPUS

Built-in flash and wireless flash control from the camera body

Compatible external flash	FL-50R, FL-36R
Control method	Triggered and controlled by built-in flash light
Number of channels	1 channels
Group setting	1 groups

Available when used together with cameras compatible with the Olympus wireless RC flash system.

Menu

Menu languages in camera	39 languages (Japanese, English, French, Spanish, Portuguese (BR + PT), German, Italian, Russian, Czech, Dutch, Danish, Polish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Hungarian, Greek, Slovak, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian, Korean, Simple Chinese, Traditional Chinese, Thai, Arabic, Bulgarian, Romanian, Persian, Indonesian, Hebrew, Malay, Vietnamese)
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Power Supply

Battery	LI-50B Lithium-Ion Battery
Sleep mode	Available (20sec., 1min, 3min, 5min)
Live View shooting	Approx. 320images (50% with Live View)

Interface

Media	SD Memory Card (SDHC, SDXC compatible) Class 6 is recommended for Movie shooting
HDMI™	Yes, Mini connector (type C)*
USB 2.0 High Speed	Yes
Combined V & USB output	Yes, NTSC or PAL selectable * "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Size

Dimensions (W x H x D)	110.6 x 64.8 x 42.3mm
Weight	275g (without battery and card)

Specifications SP-610UZ

OLYMPUS

Image Sensor	
Effective pixels	14 Megapixels
Full resolution	14.5 Megapixels
Type	1/2.3" CCD sensor
Lens	
Optical zoom	22x (WIDE)
Focal length	5.0 - 110mm
Focal length (equiv. 35mm)	28 - 616mm
Maximum aperture	3.3 - 5.7
Structure	13 lenses / 10 groups
Aspherical glass elements	4
ED glass elements	3
Digital Zoom	
Enlargement factor	4x / 88x combined with optical zoom
Monitor	
Resolution	230,000 dots
Monitor size	7.6cm / 3.0"
LCD type	TFT
Frame assistance	Yes
Brightness adjustment	+/- 2 levels
Protection panel	Yes
Focusing System	
Method	TTL iESP auto focus with contrast detection
Standard mode	0.1m - ∞ (wide) / 1.8m - ∞ (tele)
Makro mode	0.1m - ∞ (wide) / 1.8m - ∞ (tele)
Super Macro mode	Closest focusing distance: 1cm
AF illuminator	Yes
Modes	iESP, Face Detection AF, Spot, AF Tracking
Light Metering	
Histogram in shooting mode	Yes
Modes	ESP light metering, Spot metering
Exposure System	
Shutter speed	1/2 - 1/2000s / < 4s(Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabilizer Shadow Adjustment Technology Advanced Face Detection Technology Pet Detection
Modes	i-Auto, Programme automatic, Scene Modes, Magic Filter, Panorama, Movie, 3D Photos
Number of scene modes	16, Portrait, Beauty, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Pet (cat), Pet (dog)
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle, Water color
Sensitivity	
Auto	AUTO / High AUTO
Manual	ISO 80, 100, 200, 400, 800, 1600
White Balance	
AUTO WB system	Yes
Preset values	Overcast, Sunlight, Tungsten, Fluorescent 1
Sequence Shooting	
Sequential shooting mode (high speed)	10.6 fps / 17 frames (in 3MP mode) 4.3 fps / 15 frames (in 5MP mode) 0.77 fps / 3 frames (in 8MP mode)
Image Processing	
Noise reduction	Yes
Pixel mapping	Yes
Engine	TruePic III+
Shading compensation	Yes
Distortion compensation	Yes
Image Editing	Resize, Trimming, Correction of saturation, Beauty Fix
Movie Recording System	
Image Stabilisation Mode	No
Recording format	MPEG-4
Movie quality	720P Recording time: 29min. VGA Recording time: no limit QVGA Recording time: no limit Note: maximum file size 4GB
Magic Filter	Pop Art, Pin Hole, Drawing, Soft Focus, Punk, Water color

Sound Recording System	
Voice playback	Yes
Sound recording	Yes, format: AAC
Image footage	4s
Speaker	Yes
Memory	
Removable Media	SD / SDHC / SDXC
Internal memory	59MB
Image Size	
14M	4288 x 3216
8M	3264 x 2448
5M	2560 x 1920
3M	2048 x 1536
2M	1600 x 1200
1M	1280 x 960
VGA	640 x 480
16:9	4288 x 2416 1920 x 1080
View Images	
Modes	Single, Index, Zoom, Slide show, Event, Photo Surfing
Index	4x3 / 6x5 frames
Zoom	1.1 - 10x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes
View Movie	
Modes	Frame by frame, Fast forward, Reverse playback, Index jump
Internal Flash	
Working range (wide)	6.0 m
Working range (tele)	3.5 m
Modes	AUTO, Red-eye reduction, Fill-in, Off
Menu	
Menu languages in camera	39
Power Supply	
Battery	AA batteries Alkaline or Ni-MH(CR-V3 not compliant)
Interface	
DC input	Yes
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
HDMI™	Yes, Type D* * "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Eye-Fi Card compatible	Yes
Other Features	
Self timer	2 / 12 s Pet auto shutter
Perfect Shot Preview	Yes
Menu guide	Yes
In-camera Manual	Yes
In-Camera Panorama	Yes
Photo Surfing	Yes
Date imprint	Yes
Size	
Dimensions (W x H x D)	107.4 x 72.6 x 73.2mm
Weight	405g (including battery and memory card)

Specifications TG-610

OLYMPUS

Image Sensor	
Effective pixels	14 Megapixels
Full resolution	14.5 Megapixels
Type	1/2.3" CCD sensor
Lens	
Optical zoom	5x (WIDE)
Focal length	5.0 - 25.0mm
Focal length (equiv. 35mm)	28 - 140mm
Structure	11 lenses / 8 groups
Aspherical glass elements	4
ED glass elements	2
Maximum aperture	3.9 - 5.9
Digital Zoom	
Enlargement factor	4x / 20x combined with optical zoom
Monitor	
LCD type	HyperCrystal III LCD
Monitor size	7.6cm / 3.0"
Resolution	920,000 dots
Brightness adjustment	+/- 2 levels
Frame assistance	Yes
Protection panel	Yes
Focusing System	
Method	TTL iESP auto focus with contrast detection
Standard mode	0.6m - ∞ (wide) / 0.6m - ∞ (tele)
Makro mode	0.2m - ∞ (wide) / 0.5m - ∞ (tele)
Super Macro mode	Closest focusing distance: 3cm
Modes	iESP, Face Detection AF, Spot, AF Tracking
Light Metering	
Histogram in shooting mode	Yes
Modes	ESP light metering, Spot metering
Exposure System	
Shutter speed	1/4 - 1/2000s / < 4s(Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabilizer Shadow Adjustment Technology Advanced Face Detection Technology Pet Detection
Modes	i-Auto, Programme automatic, Magic Filter, Panorama, Scene Modes, Movie, 3D Photos
Number of scene modes	21, Portrait, Beauty, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Underwater Snapshot, Underwater Wide 1, Underwater Wide 2, Underwater Macro, Pet (cat), Pet (dog), Snow
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle, Water color
Sensitivity	
Auto	AUTO / High AUTO
Manual	ISO 80, 100, 200, 400, 800, 1600
White Balance	
AUTO WB system	Yes
Preset values	Overcast, Sunlight, Tungsten, Fluorescent 1, Underwater
Sequence Shooting	
Sequential shooting mode (high speed)	/
Sequential shooting mode	/ Up to card capacity
Image Processing	
Pixel mapping	Yes
Noise reduction	Yes
Engine	TruePic III+
Distortion compensation	Yes
Shading compensation	Yes
Image Editing	Resize, Trimming, Correction of saturation, Beauty Fix
Movie Recording System	
Image Stabilisation Mode	Digital Image Stabilisation
Recording format	MPEG-4
Movie quality	720P Recording time: 29min. VGA Recording time: no limit QVGA Recording time: no limit Note: maximum file size 4GB
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Water color

Sound Recording System	
Voice playback	Yes
Sound recording	Yes, format: AAC
Image footage	4s
Speaker	Yes
Memory	
Removable Media	SD / SDHC / SDXC
Internal memory	
Image Size	
14M	4288 x 3216
8M	3264 x 2448
5M	2560 x 1920
3M	2048 x 1536
2M	1600 x 1200
1M	1280 x 960
VGA	640 x 480
16:9	4288 x 2416 1920 x 1080
View Images	
Modes	Single, Index, Zoom, Slide show, Event, Photo Surfing
Index	4x3 / 6x5 frames
Zoom	Yes, 1.1 - 10x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes
View Movie	
Modes	Frame by frame, Fast forward, Reverse playback
Internal Flash	
Working range (wide)	0.2 - 4.3 m (ISO 800)
Working range (tele)	0.5 - 2.8 m (ISO 800)
Modes	AUTO, Red-eye reduction, Fill-in, Off
Menu	
Menu languages in camera	39
Power Supply	
Battery	LI-50B Lithium-Ion Battery
Internal Charging	Yes
Interface	
HDMI™	Yes, Mini connector (type C)*
DC input	Yes, (GB-MA3 required)
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
Eye-Fi Card compatible	Yes
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Other Features	
Shock resistant	Shock-proof from heights of up to 1.5m*
Waterproof	Waterproof up to a water pressure equivalent to 5m depth**
Freezeproof	Freezeproof up to -10°C***
Tap Control	Yes
Perfect Shot Preview	Yes
In-Camera Panorama	Yes
Self timer	2 / 12 s Pet auto shutter
Menu guide	Yes
In-camera Manual	Yes
Photo Surfing	Yes
LED Illuminator	Yes
	* Equivalent to MIL Standard (Olympus test conditions)
	** According to IEC standard publication 529 IPX8
	*** According to Olympus test conditions
Date imprint	Yes
Size	
Dimensions (W x H x D)	99.5 x 64.5 x 26.1mm
Weight	190g (including battery and memory card)

Specifications TG-310

OLYMPUS

Image Sensor	
Effective pixels	14 Megapixels
Full resolution	14.5 Megapixels
Type	1/2.3" CCD sensor
Lens	
Optical zoom	3.6x (WIDE)
Focal length	5.0 - 18.2mm
Focal length (equiv. 35mm)	28 - 102mm
Structure	10 lenses / 8 groups
Aspherical glass elements	4
ED glass elements	2
Maximum aperture	3.5 - 5.1
Digital Zoom	
Enlargement factor	4x / 14.4x combined with optical zoom
Monitor	
LCD type	TFT
Monitor size	6.9cm / 2.7"
Resolution	230,000 dots
Brightness adjustment	+/- 2 levels
Frame assistance	Yes
Protection panel	Yes
Focusing System	
Method	TTL iESP auto focus with contrast detection
Standard mode	0.5m - ∞ (wide) / 0.5m - ∞ (tele)
Makro mode	0.1m - ∞ (wide) / 0.3m - ∞ (tele)
Super Macro mode	Closest focusing distance: 2cm
Modes	iESP, Face Detection AF, Spot, AF Tracking
Light Metering	
Histogram in shooting mode	Yes
Modes	ESP light metering, Spot metering
Exposure System	
Shutter speed	1/4 - 1/2000s / < 4s(Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabilizer Shadow Adjustment Technology Advanced Face Detection Technology Pet Detection
Modes	i-Auto, Programme automatic, Magic Filter, Panorama, Scene Modes, Movie, 3D Photos
Number of scene modes	17, Portrait, Beauty, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Underwater Snapshot, Pet (cat), Pet (dog)
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle, Water color
Sensitivity	
Auto	AUTO / High AUTO
Manual	ISO 80, 100, 200, 400, 800, 1600
White Balance	
AUTO WB system	Yes
Preset values	Overcast, Sunlight, Tungsten, Fluorescent 1, Underwater
Sequence Shooting	
Sequential shooting mode (high speed)	3 fps / 200 frames (in 5MP mode)
Sequential shooting mode	0.6 fps / 200 frames (Full Image Size)
Image Processing	
Pixel mapping	Yes
Noise reduction	Yes
Engine	TruePic III+
Distortion compensation	Yes
Shading compensation	Yes
Image Editing	Resize, Trimming, Correction of saturation, Beauty Fix
Movie Recording System	
Image Stabilisation Mode	Digital Image Stabilisation
Recording format	MPEG-4
Movie quality	720P Recording time: 29min. VGA Recording time: no limit QVGA Recording time: no limit Note: maximum file size 4GB
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Water color

Sound Recording System	
Voice playback	Yes
Sound recording	Yes, format: AAC
Image footage	4s
Speaker	Yes
Memory	
Removable Media	SD / SDHC / SDXC
Internal memory	19.5MB
Image Size	
14M	4288 x 3216
8M	3264 x 2448
5M	2560 x 1920
3M	2048 x 1536
2M	1600 x 1200
1M	1280 x 960
VGA	640 x 480
16:9	4288 x 2416 1920 x 1080
View Images	
Modes	Single, Index, Zoom, Slide show, Event, Photo Surfing
Index	4x3 / 6x5 frames
Zoom	Yes, 1.1 - 10x
Image protect mode	Yes
Histogram in playback mode	Yes
View Movie	
Modes	Frame by frame, Fast forward, Reverse playback
Internal Flash	
Working range (wide)	0.2 - 4.3 m (ISO 800)
Working range (tele)	0.5 - 2.8 m (ISO 800)
Modes	AUTO, Red-eye reduction, Fill-in, Off
Menu	
Menu languages in camera	39
Power Supply	
Battery	LI-42B Lithium-Ion Battery
Internal Charging	Yes
Interface	
HDMI™	Yes, Type D*
DC input	Yes, (CB-MA3 required)
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
Eye-Fi Card compatible	Yes
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Other Features	
Shock resistant	Shock-proof from heights of up to 1.5m*
Waterproof	Waterproof up to a water pressure equivalent to 3m depth**
Freezeproof	Freezeproof up to -10°C***
Perfect Shot Preview	Yes
In-Camera Panorama	Yes
Self timer	2 / 12 s Pet auto shutter
Menu guide	Yes
In-camera Manual	Yes
Photo Surfing	Yes
	* Equivalent to MIL Standard (Olympus test conditions)
	** According to IEC standard publication 529 IPX8
	*** According to Olympus test conditions
Date imprint	Yes
Size	
Dimensions (W x H x D)	96.3 x 63.4 x 22.7mm
Weight	155g (including battery and memory card)

Specifications VR-310

OLYMPUS

Image Sensor		Image Size	
Effective pixels	14 Megapixels	8M	3264 x 2448
Full resolution	14.5 Megapixels	5M	2560 x 1920
Type	1/2.3" CCD sensor	3M	2048 x 1536
Lens		2M	1600 x 1200
Optical zoom	10x (WIDE)	1M	1280 x 960
Aspherical glass elements	4	VGA	640 x 480
ED glass elements	2	16:9	1920 x 1080
Focal length	4.2 - 42.0mm	View Images	
Focal length (equiv. 35mm)	24 - 240mm	Modes	Single, Index, Zoom, Slide show
Structure	9 lenses / 8 groups	Index	4x3 / 6x5 frames
Maximum aperture	3.0 - 5.7	Zoom	Yes, 1.1 - 10x
Digital Zoom		Auto rotation	Yes
Enlargement factor	4x / 40x combined with optical zoom	Image protect mode	Yes
Monitor		View Movie	
Resolution	230,400 dots	Modes	Frame by frame, Fast forward, Reverse playback
Monitor size	7.6cm / 3.0"	Internal Flash	
LCD type	TFT	Working range (wide)	
Frame assistance	Yes	Working range (tele)	
Brightness adjustment	2 levels	Modes	AUTO, Red-eye reduction, Fill-in, Off
Protection panel	Yes	Menu	
Focusing System		Menu languages in camera	40
Method	TTL iESP auto focus with contrast detection	Power Supply	
Standard mode	0.6m - ∞ (wide) / 1.0m - ∞ (tele)	Battery	LI-42B Lithium-Ion Battery
Makro mode	0.2m - ∞ (wide) / 0.9m - ∞ (tele)	Internal Charging	Yes
Super Macro mode	Closest focusing distance: 1cm	Interface	
AF illuminator	Yes	DC input	Yes, (CB-MA3 required)
Modes	iESP, Face Detection AF, Spot, AF Tracking	Combined A/V & USB output	Yes
Light Metering		USB 2.0 High Speed	Yes
Modes	ESP light metering	Other Features	
Exposure System		Perfect Shot Preview	Yes
Enhancement function	Mechanical Image Stabilizer	Self timer	2 / 12 s
	Advanced Face Detection Technology	Menu guide	Yes
Shutter speed	1/2 - 1/2000s / < 4s(Candle Scene)	In-camera Manual	Yes
Exposure compensation	+/- 2EV / 1/3 steps	Date imprint	Yes
Modes	i-Auto, Programme automatic, Scene Modes, Magic Filter, Panorama, Movie	Size	
Number of scene modes	14, Portrait, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Pet	Dimensions (W x H x D)	100.6 x 58.2 x 28.5mm
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle	Weight	158g (including battery and memory card)
Sensitivity			
Auto	AUTO / High AUTO		
Manual	ISO 100, 200, 400, 800, 1600		
White Balance			
AUTO WB system	Yes		
Preset values	Overcast, Sunlight, Tungsten, Flourescent 1, Flourescent 2, Flourescent 3		
Sequence Shooting			
Sequential shooting mode (high speed)	/		
	/		
Image Processing			
Pixel mapping	Yes		
Noise reduction	Yes		
Distortion compensation	Yes		
Shading compensation	Yes		
Image Editing	Resize, Trimming		
Movie Recording System			
Image Stabilisation Mode	Digital Image Stabilisation		
Recording format	AVI Motion JPEG®		
Movie quality	1280 x 720 / 30fps Recording time: no limit 640 x 480 / 30fps no limit Note: maximum file size 2GB		
Sound Recording System			
Voice playback	Yes		
Sound recording	Yes, format: WAV		
Image footage	4s		
Speaker	Yes		
Memory			
Removable Media	SD / SDHC		
Internal memory			
Image Size			
14M	4288 x 3216		

Specifications VG-130

OLYMPUS

Image Sensor		Image Size	
Effective pixels	14 Megapixels	8M	3264 x 2448
Full resolution	14.5 Megapixels	5M	2560 x 1920
Type	1/2.3" CCD sensor	3M	2048 x 1536
Lens		2M	1600 x 1200
Optical zoom	5x (WIDE)	1M	1280 x 960
Focal length	4.7 - 23.5mm	VGA	640 x 480
Focal length (equiv. 35mm)	26 - 130mm	16:9	1920 x 1080
Maximum aperture	2.8 - 6.5	View Images	
Structure	7 lenses / 5 groups	Modes	Single, Index, Zoom, Slide show
Aspherical glass elements	5	Index	4x3 / 6x5 frames
Digital Zoom		Zoom	1.1 - 10x
Enlargement factor	4x / 20x combined with optical zoom	Auto rotation	Yes
Monitor		Image protect mode	Yes
Resolution	230,400 dots	View Movie	
Monitor size	7.6cm / 3.0"	Modes	Frame by frame, Fast forward, Reverse playback
LCD type	TFT	Internal Flash	
Frame assistance	Yes	Working range (wide)	0.2 - 4.9 m (ISO 800)
Brightness adjustment	2 levels	Working range (tele)	0.6 - 2.1 m (ISO 800)
Protection panel	Yes	Modes	AUTO, Red-eye reduction, Fill-in, Off
Focusing System		Menu	
Method	TTL iESP auto focus with contrast detection	Menu languages in camera	40
Standard mode	0.6m - ∞ (wide) / 1.0m - ∞ (tele)	Power Supply	
Makro mode	0.2m - ∞ (wide) / 0.6m - ∞ (tele)	Battery	LI-70B Lithium-Ion Battery
Super Macro mode	Closest focusing distance: 7cm	Internal Charging	Yes
AF illuminator	Yes	Interface	
Modes	iESP, Face Detection AF, Spot, AF Tracking	DC input	No
Light Metering		Combined A/V & USB output	Yes
Modes	ESP light metering	USB 2.0 High Speed	Yes
Exposure System		Other Features	
Shutter speed	1/2 - 1/2000s / < 4s(Candle Scene)	Perfect Shot Preview	Yes
Enhancement function	Digital Image Stabilisation	Self timer	2 / 12 s
	Advanced Face Detection Technology	Menu guide	Yes
Exposure compensation	+/- 2EV / 1/3 steps	Date imprint	Yes
Modes	i-Auto, Programme automatic, DIS mode, Scene Modes, Magic Filter, Panorama, Movie	Size	
Number of scene modes	14, Portrait, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Pet	Dimensions (W x H x D)	96 x 56.5 x 19.3mm
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle	Weight	125g (including battery and memory card)
Sensitivity			
Auto	AUTO		
Manual	ISO 80, 100, 200, 400, 800, 1600		
White Balance			
AUTO WB system	Yes		
Preset values	Overcast, Sunlight, Tungsten, Flourescent 1, Flourescent 2, Flourescent 3		
Sequence Shooting			
Sequential shooting mode (high speed)	10 fps / 20 frames (in 3MP mode)		
	2.3 fps / 200 frames (in 3MP mode)		
Sequential shooting mode	0.8 fps / 200 frames (Full Image Size)		
Image Processing			
Pixel mapping	Yes		
Noise reduction	Yes		
Shading compensation	Yes		
Distortion compensation	Yes		
Image Editing	Resize, Trimming		
Movie Recording System			
Recording format	AVI Motion JPEG®		
Movie quality	1280 x 720 / 30fps Recording time: no limit 640 x 480 / 30fps Recording time: no limit Note: maximum file size 2GB		
Sound Recording System			
Voice playback	Yes		
Sound recording	Yes, format: WAV		
Image footage	4s		
Speaker	Yes		
Memory			
Internal memory	49MB		
Removable Media	SD / SDHC		
Image Size			
14M	4288 x 3216		

Specifications VG-120

Image Sensor		Image Size	
Effective pixels	14 Megapixels	3M	2048 x 1536
Full resolution	14.5 Megapixels	2M	1600 x 1200
Type	1/2.3" CCD sensor	1M	1280 x 960
Lens		VGA	640 x 480
Optical zoom	5x (WIDE)	16:9	1920 x 1080
Focal length	4.7 - 23.5mm	View Images	
Focal length (equiv. 35mm)	26 - 130mm	Modes	Single, Index, Zoom, Slide show
Maximum aperture	2.8 - 6.5	Index	4x3 / 6x5 frames
Structure	7 lenses / 5 groups	Zoom	1.1 - 10x
Aspherical glass elements	5	Auto rotation	Yes
Digital Zoom		Image protect mode	Yes
Enlargement factor	4x / 20x combined with optical zoom	View Movie	
Monitor		Modes	Frame by frame, Fast forward, Reverse playback
Resolution	230,400 dots	Internal Flash	
Monitor size	7.6cm / 3.0"	Working range (wide)	0.2 - 4.9 m (ISO 800)
LCD type	TFT	Working range (tele)	0.6 - 2.1 m (ISO 800)
Frame assistance	Yes	Modes	AUTO, Red-eye reduction, Fill-in, Off
Brightness adjustment	2 levels	Menu	
Focusing System		Menu languages in camera	40
Method	TTL iESP auto focus with contrast detection	Power Supply	
Standard mode	0.6m - ∞ (wide) / 1.0m - ∞ (tele)	Battery	LI-70B Lithium-Ion Battery
Makro mode	0.2m - ∞ (wide) / 0.6m - ∞ (tele)	Internal Charging	Yes
Super Macro mode	Closest focusing distance: 7cm	Interface	
Modes	iESP, Face Detection AF, Spot, AF Tracking	DC input	No
Light Metering		Combined A/V & USB output	Yes
Modes	ESP light metering	USB 2.0 High Speed	Yes
Exposure System		Other Features	
Shutter speed	1/2 - 1/2000s / < 4s(Candle Scene)	Perfect Shot Preview	Yes
Enhancement function	Digital Image Stabilisation Advanced Face Detection Technology	Self timer	2 / 12 s
Exposure compensation	+/- 2EV / 1/3 steps	Menu guide	Yes
Modes	i-Auto, Programme automatic, DIS mode, Scene Modes, Magic Filter, Panorama, Movie	Date imprint	Yes
Number of scene modes	14, Portrait, Landscape, Night Scene, Night Scene with portrait, Sports, Indoor, Candle, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Pet	Size	
Magic Filter	Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle	Dimensions (W x H x D)	96.4 x 56.9 x 19.1mm
Sensitivity		Weight	120g (including battery and memory card)
Auto	AUTO		
Manual	ISO 80, 100, 200, 400, 800, 1600		
White Balance			
AUTO WB system	Yes		
Preset values	Overcast, Sunlight, Tungsten, Flourescent 1, Flourescent 2, Flourescent 3		
Sequence Shooting			
Sequential shooting mode (high speed)	10 fps / 20 frames (in 3MP mode)		
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Voice playback	Yes		
Sound recording	Yes, format: WAV		
Image footage	4s		
Speaker	Yes		
Memory			
Internal memory	49MB		
Removable Media	SD / SDHC		
Image Size			
14M	4288 x 3216		
8M	3264 x 2448		
5M	2560 x 1920		