

POPULAR MIRRORLESS CAMERAS FOR UW PHOTO COMPARISON SHEET

	 Sony Alpha a6300	 Sony Alpha a6500	 Olympus OMD EM-1 Mark II	 Panasonic LUMIX GH5
Camera Format	APS-C	APS-C	Micro Four Thirds	Micro Four Thirds
Sensor Type & Size	CMOS (23.5 x 15.6 mm)	CMOS (23.5 x 15.6 mm)	MOS (17.4 x 13 mm)	Micro Four Thirds (17.3 x 13 mm)
Crop Factor	1.5x	1.5x	2x	2x
Effective Pixels	24.2 Megapixel +	24.2 Megapixel +	20.4 Megapixel	20.3 Megapixel
Max Resolution	6000 x 4000	6000 x 4000	5184 x 3888	5184 x 3888
Lens Mount	Sony E-Mount	Sony E-Mount	Micro Four Thirds	Micro Four Thirds
Bit Depth	14-bit	14-bit	12-bit	10-bit
Image Stabilization	Optical	Sensor-shift	Sensor-shift	Sensor-shift
Video Resolution	4k (3840 x 2160p)	4k (3840 x 2160p)	4k (4096 x 2160p)	4k (4096 x 2160p)
High Frame Rate Video	HD 120fps	HD 120fps	HD 60fps	4k 60fps (30fps at 10-bit) +
Focus Modes	5	5	3	4
Focus Points	425 +	425 +	121	225
AF Phase Detection	Yes	Yes	Yes	No -
LCD Screen	3.0" Tilt	3.0" Touch & Tilt	3.0" Touch & Articulate	3.2" Touch & Articulate
EVF Resolution	2,360k dots	2,360k dots	3,680k dots	2,360k dots
ISO Sensitivity	100-25600 +	100-25600 +	200-6400 (Extended: 64-25600)	200-25600 (Extended: 100-25600)
Continuous Shooting	11 fps	11 fps	15 fps +	12 fps
Built-in Flash	Yes	Yes	No (bundled with external flash)	No -
Flash Max Sync Speed	1/160	1/160	1/250	1/250
Underwater WB Mode	Yes	Yes	Yes	No
WB in Video	Yes	Yes	No -	Yes
Weight (with battery & card)	14.25 oz / 404 g +	15.98 oz / 453 g +	20.25 oz / 574 g	25.57 oz / 725 g
Dimensions	4.7 x 2.6 x 1.9" / 120 x 67 x 49 mm	4.7 x 2.6 x 2.1" / 120 x 67 x 53 mm	5.3 x 3.6 x 2.7" / 134 x 91 x 69 mm	5.5 x 3.9 x 3.4" / 138 x 98 x 87 mm
Street Price as of January, 2019	\$748	\$1,098 USD	\$1,599 USD	\$1,598 USD

* Info presented was collected from corresponding manufacturers' websites.

POPULAR UNDERWATER HOUSINGS FOR MIRRORLESS CAMERAS COMPARISON SHEET

	 Fantasea FA6500 Housing for Sony a6500 & a6300	 Ikelite #6910.65 Housing for Sony a6500	 Olympus PT-EP14 Housing for Olympus E-M1 Mark II	 Nimar #NIGH5WS Housing for Panasonic DC- GH5 & GH5S
Access to all Camera Controls	Yes 	No	Yes 	No
Labeled Controls	Yes	No	Yes	No
Depth Ratio	60 m / 200 ft.	60 m / 200 ft.	60 m / 200 ft.	60 m / 200 ft.
Dual O-Ring on Main Seal	Yes 	No	Yes 	No
Handles / Arms	Optional	Optional	Optional	Built-in 
Tray Connection	3 x 1/4" Screw Threads	2 x 1/4" Screw Threads	3 x 1/4" Screw Threads	2 x T-Mounts on Handles
Connection Port	M16 Port for a variety of optional accessories	5-pin Ikelite bulkhead	None 	5-pin Nikonos bulkhead + Vacuum port for optional vacuum system
Viewfinder	No	No	Yes	Yes
Cold Shoe Mount	Yes	No	Yes	No
Fiber Optic Cable Socket	Double	Double	Double	No 
Lens Port	FML Bayonet (with port lock)	"Push in" DLM port mount	OMD Bayonet (with port lock)	NIM108 Bayonet
Lens Release Control	Yes 	Yes 	No	No
Latches	1	2	1	4
LCD Anti-Glare Hood Included	Yes	No	Yes	No
Body Cap Included	Yes	No	Yes	Yes
Hand Grip Strap Included	Yes	No	No	No
Moisture Alarm Included	Yes 	No	No	Yes 
Extended Shutter Release Included	Yes	No	No	No
Ergonomic Design	Yes	No	Yes	No
Weight	34.5 oz / 980 g 	49.38 oz / 1400 g	49.03 oz / 1390 g	85.71 oz / 2430 g (with handles)
Dimensions	8 x 5.7 x 6.1" 205 x 145 x 155 mm	5.9 x 7.6 x 5.2" 150 x 193 x 132 mm	7.8 x 7.3 x 5" 197 x 185 x 126 mm	13.4 x 6.7 x 5.9" 340 x 170 x 150 mm (with handles)
Discounted Housing & Port Kit	Yes	No	No	No
Manufacturer's Online Support	Yes	Yes	No 	Yes
Service Centers Worldwide	Yes	Yes	No 	Yes
Street Price as of January, 2019	\$775 USD	\$975 USD	\$1,299 USD	\$1,341 USD

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