

Model: **MARS4H UW**

	Part Number	MARS4H UW-100	MARS4H UW-50
<b>Image Sensor</b>	Pixels	4M	4M
	Resolution	2048*2048	2048*2048
	Frame Rate@Full Resolution	180	180
	Frame Rate@Partial Resolution	2048*456@800FPS 2048*176@2000FPS	2048*456@800FPS 2048*176@2000FPS
	Frame Rate Adjustment	Adjustable	Adjustable
	Latency(ms)	5.20	5.20
	Type of Exposure	global	global
	Exposure Speed	Settable	Settable
<b>Track Performance and Range</b>	Accuracy	±0.15mm	±0.15mm
	Observation Distance(with 15mm diameter markers) <sup>[1][2]</sup>	17m	17m
	Active Marker Supported	Yes	Yes
	Lens Specification	12mm	12mm
<b>Camera</b>	Field of View(FOV)	52°*52° (in the air) 37.55°*37.55° (underwater)	52°*52° (in the air) 37.55°*37.55° (underwater)
	Aperture Adjustable	No	No
	Focus Adjustable	No	No
	Number <sup>[3]</sup>	20	20
<b>LEDs</b>	Type	HLED	HLED
	Brightness Adjustable	Yes	Yes
	Wavelength	460nm	460nm
<b>Interface and Power Supply</b>	Connection Type	GigE/POE	GigE/POE
	Power Consumption	20W	20W
	Sync Interface	Synchronization Interface Terminal	Synchronization Interface Terminal
	Sync Signal Output	Optional	Optional
<b>Product Appearance and Operating Conditions</b>	Shell Material	Metal	Metal
	Size	110*110*282mm	110*110*282mm
	Weight	5.33Kg (in the air) 3.2kg (underwater)	5.33Kg (in the air) 3.2kg (underwater)
	Mounting Hole	N/A	N/A
	Number of Mounting Holes	N/A	N/A
	Temperature Range	-20°C to 65°C	-20°C to 65°C
	Humidity	Under water	Under water
	Design water depth	100 meters	50 meters
<b>Others</b>	Packaging	Eco-friendly, simple carton packaging	
	Integration	Flexible, standard network cable connections for easy adaptability to different usage scenarios	
	Heat Dissipation	Fanless passive heat dissipation structure, for silent operation, minimal dust accumulation, and optimal heat dissipation	

**Key Features**

- Lightweight metal shell, effortless installation with versatile mounting options for diverse and challenging environments.
- Seamless integration with force plates, EMG devices, and more through TTL triggering.
- In-house research and development ensuring outstanding quality control and dedicated after-sales support.

## Note

[1] Observation distance depends on marker diameter.

[2] To increase distance, add light source, use bigger or active markers.

[3] LED number is customizable.

