

Model: **MARS1.3HW UW**

	Part Number	MARS1.3HW UW-100
<b>Image Sensor</b>	Pixels	1.3M
	Resolution	1280*1024
	Frame Rate@Full Resolution	240
	Frame Rate Adjustment	Adjustable
	Latency(ms)	4.00
	Type of Exposure	global
	Exposure Speed	Settable
<b>Track Performance and Range</b>	Accuracy	±0.3mm
	Observation Distance(with 15mm diameter markers) <sup>[1][2]</sup>	6m
	Active Marker Supported	Yes
<b>Camera</b>	Lens Specification	3.18mm
	Field of View(FOV)	95°*74° (in the air) 64°*50° (underwater)
	Aperture Adjustable	No
	Focus Adjustable	No
<b>LEDs</b>	Number	14
	Type	HLED
	Brightness Adjustable	Yes
	Wavelength	460nm
<b>Interface and Power Supply</b>	Connection Type	GigE/POE
	Power Consumption	18W
	Sync Interface	Synchronization Interface Terminal
	Sync Signal Output	Optional
<b>Product Appearance and Operating Conditions</b>	Shell Material	Metal
	Size	80*80*150mm
	Weight	1.4kg (in the air) 0.83kg (underwater)
	Mounting Hole	N/A
	Number of Mounting Holes	N/A
	Temperature Range	-20°C to 65°C
	Humidity	Under water
Design water depth	100 meters	
<b>Others</b>	Heat Dissipation	Fanless passive heat dissipation structure, for silent operation, minimal dust accumulation, and optimal heat dissipation

**Key Features**

- Underwater pressure tested, corrosion-resistant and waterproof shell, adapted to a variety of water quality.
- Compact size, easy to take and install, can be arranged in a narrow space.
- 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.

