Model: **MARS4HW UW**

	Part Number	Mars4HW UW-6-50	Mars4HW UW-8-50
Image Sensor	Pixels	4M	4M
	Resolution	2048*2048	2048*2048
	Frame Rate@Full Resolution	180	180
	Frame Rate@Partial Resolution	2000FPS	2000FPS
	Frame Rate Adjustment	Adjustable	Adjustable
	Latency(ms)	5.20	5.20
	Type of Exposure	global	global
	Exposure Speed	Settable	Settable
Track Performance and Range	Accuracy	±0.3mm	±0.25mm
	Observation Distance (with 20mm diameter markers)[1][2]	8m	14m
	Active Marker Supported	Yes	Yes
Camera	Lens Specification	6mm	8mm
	Field of View(FOV)	90°*90° (in the air) 63°*63° (underwater)	74°*74° (in the air) 52°*52° (underwater)
	Aperture Adjustable	No	No
	Focus Adjustable	No	No
LEDs	Number	20	24
	Type	HLED	HLED
	Brightness Adjustable	Yes	Yes
	Wavelength	460nm	460nm
Interface and Power Supply	Connection Type	GigE/POE	GigE/POE
	Power Consumption	26W, 24V power supply	26W, 24V power supply
	Sync Interface	Synchronization Interface Terminal	Synchronization Interface Terminal
	Sync Signal Output	Optional	Optional
Product Appearance and Operating Conditions	Shell Material	Metal	Metal
	Size	159mm*159mm*232.5mm	159mm*159mm*232.5mm
	Weight	5.3kg (in the air) 1.66kg (underwater)	5.45kg (in the air) 1.76kg (underwater)
	Mounting Hole	N/A	N/A
	Number of Mounting Holes	N/A	N/A
	Temperature Range	-20℃ to 65℃	-20℃ to 65℃
	Humidity	Under water	Under water
	Design water depth	50 meters	50 meters
Others	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.