

Model: **MARS18HW UW**

Part Number		Mars18HW UW-8-50
Image Sensor	Pixels	18M
	Resolution	4508*4096
	Frame Rate@Full Resolution	139
	Frame Rate@High Speed Mode	2000FPS
	Frame Rate Adjustment	Adjustable
	Latency(ms)	5.00
	Type of Exposure	Global
	Exposure Speed	Adjustable
Track Performance and Range	Accuracy	±0.15mm
	Observation Distance (with 20mm diameter markers) ^[1]	10m
	Active Marker Supported	Yes
Camera	Lens Specification	8mm
	Field of View(FOV)	73°*67° (in the air) 52°*48° (under water)
	Aperture Adjustable	No
	Focus Adjustable	No
LEDs	Number	24
	Type	HLED
	Brightness Adjustable	Yes
	Wavelength	460nm
Interface and Power Supply	Connection Type	DC
	Power Consumption	60W
	Sync Interface	Synchronization Interface Terminal
	Sync Signal Output	Optional
Product Appearance and Operating Conditions	Shell Material	Metal
	Size	159mm*159mm*232.5mm
	Weight	5.4kg (in the air) 1.75kg (underwater)
	Mounting Hole	N/A
	Number of Mounting Holes	N/A
	Temperature Range	-20°C to 65°C
	Humidity	Under water
	Design water depth	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.

