

Model: MARS1.3HW UW



	Part Number	Mars1.3HW UW
Image Sensor	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
Track Performance and Range	Accuracy	±0.3mm
	Observation Distance(with 20mm diameter markers) ^{[1][2]}	6m
	Active Marker Supported	Yes
Camera	Lens Specification	3.18mm
	Field of View(FOV)	95°*74° (in the air) 64°*50° (underwater)
	Aperture Adjustable	No
	Focus Adjustable	No
LEDs	Number	14
	Type	HLED
	Brightness Adjustable	Yes
	Wavelength	460nm
Interface and Power Supply	Connection Type	GigE/POE
	Power Consumption	18W
	Sync Interface	Synchronization Interface Terminal
	Sync Signal Output	Optional
Product Appearance and Operating Conditions	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
Others	Design water depth	100 meters
	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.

