

Model: **MARS2H**



Part Number	MARS2H	MARS2H-AS	MARS2HW	MARS2HW-AS		
Pixels	2.2M	2.2M	2.2M	2.2M		
Resolution	2048*1088	2048*1088	2048*1088	2048*1088		
Frame Rate@Full Resolution	380	380	380	380		
Image Sensor	Frame Rate@Partial Resolution	2048*800@500FPS 2048*496@800FPS 2048*176@2000FPS	2048*800@500FPS 2048*496@800FPS 2048*176@2000FPS	2048*800@500FPS 2048*496@800FPS 2048*176@2000FPS	2048*800@500FPS 2048*496@800FPS 2048*176@2000FPS	
	Frame Rate Adjustment	Adjustable	Adjustable	Adjustable	Adjustable	
	Latency(ms)	2.40	2.40	2.40	2.40	
	Type of Exposure	global	global	global	global	
	Exposure Speed	Settable	Settable	Settable	Settable	
	Track Performance and Range	Accuracy	±0.15mm	±0.15mm	±0.25mm	±0.25mm
	Observation Distance(with 15mm diameter markers) <sup>[1][2]</sup>	21m	Affected by sunlight intensity	15m	Affected by sunlight intensity	
Active Marker Supported	Yes	Yes	Yes	Yes		
Camera	Lens Specification	8mm	8mm	6mm	6mm	
	Field of View(FOV)	70°*40°	70°*40°	104°*55°	104°*55°	
	Aperture Adjustable	Yes	Yes	Yes	Yes	
	Focus Adjustable	Yes	Yes	Yes	Yes	
LEDs	Number <sup>[3]</sup>	14	14	14	14	
	Type	HLED	HLED	HLED	HLED	
	Brightness Adjustable	Yes	Yes	Yes	Yes	
	Wavelength	850nm	850nm	850nm	850nm	
Interface and Power Supply	Connection Type	GigE/POE	GigE/POE	GigE/POE	GigE/POE	
	Power Consumption	18W	18W	18W	18W	
	Sync Interface	3.5mm AUX	3.5mm AUX	3.5mm AUX	3.5mm AUX	
	Sync Signal Output	Optional	Optional	Optional	Optional	
Product Appearance and Operating Conditions	Shell Material	Metal	Metal	Metal	Metal	
	Size	126*104*142mm	126*104*142mm	126*92*142mm	126*92*142mm	
	Weight	1.05kg	1.05kg	0.9kg	0.9kg	
	Mounting Hole	1/4"	1/4"	1/4"	1/4"	
	Number of Mounting Holes	2	2	2	2	
	Temperature Range	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C	
	Humidity	< 80%	< 80%	< 80%	< 80%	
Outdoor	No	Suitable for sunlight use	No	Suitable for sunlight use		
Others	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.

