

Model: MARS2H



	Part Number	Mars2H	Mars2H-AS	Mars2HW
Image Sensor	Pixels	2.2M	2.2M	2.2M
	Resolution	2048*1088	2048*1088	2048*1088
	Frame Rate@Full Resolution	380	380	380
	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
	Frame Rate Adjustment	Adjustable	Adjustable	Adjustable
	Latency(ms)	2.40	2.40	2.40
	Type of Exposure	global	global	global
	Exposure Speed	Settable	Settable	Settable
	Accuracy	±0.15mm	±0.15mm	±0.25mm
Track Performance and Range	Observation Distance(with 15mm diameter markers) ^{[1][2]}	21m	Affected by sunlight intensity	15m
	Active Marker Supported	Yes	Yes	Yes
Camera	Lens Specification	8mm	8mm	6mm
	Field of View(FOV)	70°×40°	70°×40°	104°×55°
	Aperture Adjustable	Yes	Yes	Yes
	Focus Adjustable	Yes	Yes	Yes
LEDs	Number ^[3]	14	14	14
	Type	HLED	HLED	HLED
	Brightness Adjustable	Yes	Yes	Yes
	Wavelength	850nm	850nm	850nm
Interface and Power Supply	Connection Type	GigE/POE	GigE/POE	GigE/POE
	Power Consumption	18W	18W	18W
	Sync Interface	3.5mm AUX	3.5mm AUX	3.5mm AUX
	Sync Signal Output	Optional	Optional	Optional
Product Appearance and Operating Conditions	Shell Material	Metal	Metal	Metal
	Size	126*104*142mm	126*104*142mm	126*92*142mm
	Weight	1.05kg	1.05kg	0.9kg
	Mounting Hole	1/4"	1/4"	1/4"
	Number of Mounting Holes	2	2	2
	Temperature Range	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C
	Humidity	< 80%	< 80%	< 80%
	Outdoor	No	Suitable for sunlight use	No
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.

