

Model: **MARS1.3H**

	Part Number	MARS1.3H	MARS1.3HW	MARS1.3H-AS
Image Sensor	Pixels	1.3M	1.3M	1.3M
	Resolution	1280*1024	1280*1024	1280*1024
	Frame Rate@Full Resolution	240	240	240
	Frame Rate@Partial Resolution	Not Supported	Not Supported	Not Supported
	Frame Rate Adjustment	Adjustable	Adjustable	Adjustable
	Latency(ms)	4.00	4.00	4.00
	Type of Exposure	global	global	global
	Exposure Speed	Settable	Settable	Settable
Track Performance and Range	Accuracy	±0.2mm	±0.3mm	±0.2mm
	Observation Distance(with 15mm diameter markers) ^{[1][2]}	11m	6m	11m ^[3]
	Active Marker Supported	Yes	Yes	Yes
Camera	Lens Specification	5.3mm	3.18mm	5.3mm
	Field of View(FOV)	56°*46°	95°*74°	56°*46°
	Aperture Adjustable	No	No	No
	Focus Adjustable	Yes	Yes	Yes
LEDs	Number ^[4]	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	RCA	RCA	RCA
	Sync Signal Output	Optional	Optional	Optional
Product Appearance and Operating Conditions	Shell Material	Metal	Metal	Metal
	Size	62*62*96mm	62*62*96mm	62*62*96mm
	Weight	0.3Kg	0.285Kg	0.3Kg
	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	No	Yes	
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] Observation distance is affected by daylight intensity.
- [4] LED number is customizable.

