

Model: **MARS9H**



Part Number	MARS9H	MARS9H-AS	MARS9HW	MARS9HW-AS	
Pixels	9M	9M	9M	9M	
Resolution	4250*2160	4250*2160	4250*2160	4250*2160	
Frame Rate@Full Resolution	300	300	300	300	
Image Sensor	Frame Rate@Partial Resolution	4250*1400@500FPS 4250*808@800FPS 4250*640@1000FPS 4250*320@2000FPS	4250*1400@500FPS 4250*808@800FPS 4250*640@1000FPS 4250*320@2000FPS	4250*1400@500FPS 4250*808@800FPS 4250*640@1000FPS 4250*320@2000FPS	4250*1400@500FPS 4250*808@800FPS 4250*640@1000FPS 4250*320@2000FPS
	Frame Rate Adjustment	Adjustable	Adjustable	Adjustable	Adjustable
	Latency(ms)	3.00	3.00	3.00	3.00
	Type of Exposure	global	global	global	global
	Exposure Speed	Settable	Settable	Settable	Settable
Track Performance and Range	Accuracy	±0.05mm	±0.05mm	±0.2mm	±0.2mm
	Observation Distance(with 15mm diameter markers) <sup>[1][2]</sup>	28m	Affected by sunlight intensity	16m	Affected by sunlight intensity
	Active Marker Supported	Yes	Yes	Yes	Yes
Camera	Lens Specification	8mm	8mm	6mm	6mm
	Field of View(FOV)	68°*37°	68°*37°	98°*50°	98°*50°
	Aperture Adjustable	Yes	Yes	Yes	Yes
	Focus Adjustable	Yes	Yes	Yes	Yes
LEDs	Number <sup>[3]</sup>	22	22	22	22
	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	25W	25W	25W	25W
	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	1.052kg	1.052kg	0.98kg	0.98kg
	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.

