

Model: MARS18H



Part Number	Mars18H	Mars18H-AS	Mars18HW
Pixels	18M	18M	18M
Resolution	4508*4096	4508*4096	4508*4096
Frame Rate@Full Resolution	139	139	139
Image Sensor	Frame Rate@Partial Resolution 4508*664@800fps 4508*240@2000fps	4508*664@800fps 4508*240@2000fps	4508*664@800fps 4508*240@2000fps
	Frame Rate Adjustment	Adjustable	Adjustable
	Latency(ms)	5.00	2.30
	Type of Exposure	global	global
	Exposure Speed	Settable	Settable
	Accuracy	±0.04mm	±0.04mm
	Observation Distance(with 15mm diameter markers) ^{[1][2]}	28m	Affected by sunlight intensity
Track Performance and Range	Active Marker Supported	Yes	Yes
	Observation Distance	20m	20m
Camera	Lens Specification	11mm	11mm
	Field of View(FOV)	54°*49°	52°*47°
	Aperture Adjustable	Yes	Yes
	Focus Adjustable	Yes	Yes
LEDs	Number ^[3]	22	22
	Type	HLED	HLED
	Brightness Adjustable	Yes	Yes
	Wavelength	850nm	850nm
Interface and Power Supply	Connection Type	GigE/POE	GigE/POE
	Power Consumption	25W	25W
	Sync Interface	3.5mm AUX	3.5mm AUX
	Sync Signal Output	Optional	Optional
Product Appearance and Operating Conditions	Shell Material	Metal	Metal
	Size	126*140.5*142mm	126*140.5*142mm
	Weight	1.367kg	1.3kg
	Mounting Hole	1/4"	1/4"
	Number of Mounting Holes	2	2
	Temperature Range	-20°C to 65°C	-20°C to 65°C
	Humidity	< 80%	< 80%
	Outdoor	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.

