

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	Adjustable
	Latency(ms)	2.30	2.30	2.30
	Type of Exposure	global	global	global
	Exposure Speed	Settable	Settable	Settable
	Accuracy	±0.04mm	±0.04mm	±0.15mm
	Track Performance and Range	Observation Distance(with 15mm diameter markers) ^{[1][2]}	28m	Affected by sunlight intensity
Active Marker Supported		Yes	Yes	Yes
Lens Specification		11mm	11mm	6mm
Camera	Field of View(FOV)	54°*49°	52°*47°	90°*82°
	Aperture Adjustable	Yes	Yes	Yes
	Focus Adjustable	Yes	Yes	Yes
	Number ^[3]	22	22	22
LEDs	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	25W	25W	25W
	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*140.5*142mm	126*140.5*142mm	126*132*142mm
	Weight	1.367kg	1.367kg	1.3kg
	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%
Others	Outdoor	No	Suitable for sunlight use	No
	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.

