Model：**MARS12H**

Part Number	MARS12H
Image Sensor	
Pixels	12M
Resolution	4096*3072
Frame Rate@Full Resolution	300
Frame Rate@Partial Resolution	4096*460@2000FPS
Frame Rate Adjustment	Adjustable
Latency(ms)	3.00
Type of Exposure	global
Exposure Speed	Settable
Track Performance and Range	
Accuracy	±0.08mm
Observation Distance(with 15mm diameter markers)[1][2]	40m
Active Marker Supported	Yes
Camera	
Lens Specification	18~55mm
Field of View(FOV)	67°*52°
Aperture Adjustable	Yes
Focus Adjustable	Yes
LEDs	
Number[3]	24
Type	HLED
Brightness Adjustable	Yes
Wavelength	850nm
Interface and Power Supply	
Connection Type	GigE/POE
Power Consumption	25.4W
Sync Interface	3.5mm AUX
Sync Signal Output	Optional
Product Appearance and Operating Conditions	
Shell Material	Metal
Size	134*134*165mm
Weight	2.45kg
Mounting Hole	1/4"
Number of Mounting Holes	2
Temperature Range	-20℃ to 65℃
Humidity	< 80%
Outdoor	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.