

4K

ULTRA HD



FEATURES



Infrared Night Vision
Up to 500ft



Auto Tracking
Follows Humans & Vehicles



Intelligent Video Surveillance
Tripwire, Intrusion, Motion



High Efficiency Video Coding
50% Better Data Compression

4K Auto-Tracking Pan-Tilt-Zoom Camera With Ai

This 8mp 4K Pan-Tilt-Zoom (PTZ) camera features Auto-Tracking technology that utilizes the very latest deep learning algorithms to identify humans and vehicles and follow them. The 8MP 1/1.8" CMOS image sensor features Starlight technology that provides clear colorful video even in low light conditions and records 30fps at full resolution (20FPS with AI-SMD enabled). After dark the 4 Infrared LED's provide up to 500ft of black and white IR night vision. Connect your camera to one of our 4K Network Video Recorders and get a state of the art security experience.

Indoor/Outdoor

- IP67 rated for use outdoors or indoors
- Rugged aluminum metal housing
- Operates in temperatures ranges of -40°F to +158°F

Artificial Intelligence - Alarm Filtering

- Auto-Tracking - controls ptz to track subjects
- Filter objects by Human, Vehicle or both
- Get push notifications on your smart phone.

Crystal Clear Video

- 4x the resolution of 1080p gives you clear crisp video
- 25x Optical Zoom allows for larger monitoring area
- Low light image sensor allows for color images in low light conditions.

High Efficiency Encoding -HEVC H.265

- Better data compression at the same level of quality
- Smaller files means you can store more footage
- Improves remote viewing by reducing data rates

Product Specifications

Camera

Image Sensor	1/1.8" STARVIS™ CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	8 GB
RAM	2 GB
Scanning System	Progressive
Shutter Speed	1/1 s–1/30000 s
Min Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6
S/N Ratio	> 56 dB
Infrared Distance	152.4m (500 ft)
Infrared Control	Zoom Prio/Manual/SmartIR
IR LED's	4 (IR LED)

Lens

Lens Type	Motorized vari-focal				
Focal length	5.4 mm–135 mm				
Max Aperture	F1.6–F4.0				
Field of View	Horizontal 61.6°- 3.6°× Vertical 35.7°- 2° Diagonal 138° - 4°				
Close Focus Distance	0.5 m–7 m (1.64 ft–22.97 ft)				
Iris Type	Auto/Manual				
Dori Distance	Lens	Detect	Observe	Recognize	Identify
	W	2700 m (8858.27 ft)	1066 m (3497.38 ft)	540 m (1771.65 ft)	270 m (885.83 ft)

IVS Features

Rules	Tripwire, Intrusion (human & vehicle)
Smart Search	Integrates with NVR to allow searching for IVS events. Displays snapshots of event and playback

Video

Video Compression	H.265; H.264; H.264H; MJPEG (only supported by sub stream)
Smart Codec	Smart H.265+ / Smart H.264+
Video Frame Rate	Main stream (3840 × 2160@1–20 fps by default) (3840 × 2160@1–25/30 fps when AI disabled) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps)
Stream Capability	3 streams

Resolution	Main Stream: 8MP (3840 × 2160); 1080p (1920 × 1080); 1.3M (1280 × 960); Sub Stream: 720p (1280 × 720); D1 (704 × 480); CIF (352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 32 Kbps–8192 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 db
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/ Sodium lamp/Natural light/Street lamp
Gain Control	Auto/ Manual
Noise Reduction	2D/3D
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest	Yes (4 areas)
Image Rotation	180°
Mirror	No
Privacy masking	Up to 24 areas, and up to 8 areas in the same view
Smart Illumination	Yes

Audio

Built-in Mic	No
Audio Compression	G.711A; G.711Mu; G.726; AAC; G.722.1; G.723; G.729; PCM; MPEG2-Layer2

Alarm

Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP con- flict; illegal access; motion detection; video tampering; intru- sion; tripwire; scene changing; audio detection;
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Network

Network	RJ-45 (10/100 Base-T)
Interoperability	ONVIF Profile S&G&T; CGI;
Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
Scene Self-Adaption	Yes
Storage	FTP; Micro SD card (256 G)
Browser	IE7 & later, Chrome 42 & later, Firefox 52 & later Safari
Software	MontavueGO PC & Mac
Mobile Apps	MontavueGO Android & Iphone

Product Specifications

PTZ

Pan/Tilt Range	Pan: 0°–360° endless Tilt: -15°–+90°, auto flip 180°
Manual Control Speed	Pan: 0.1°–300°/s Tilt: 0.1°–200°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-of Memory	Supports
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D (auto recognition)

Port

Audio Input	1 (LINE IN; bare wire)
Audio Output	1 (LINE OUT; bare wire)
Alarm i/o	2/1


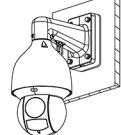

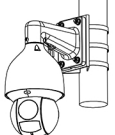

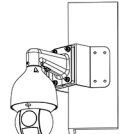

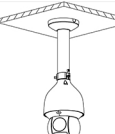

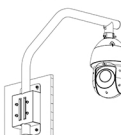

Power

Power Supply	AC24V/3A ± 25% PoE+ (802.3at)
Power Consumption	20W 30W (PTZ pan/tilt, IR on)

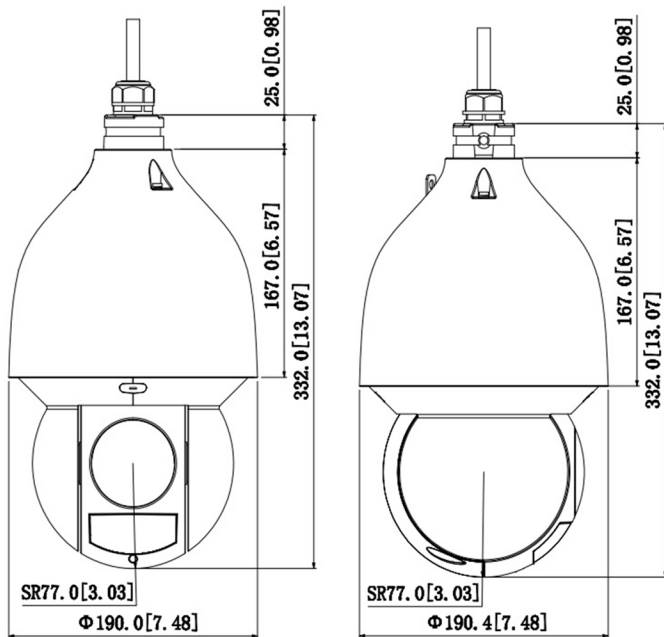
Environment

Operating Temp	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤95%

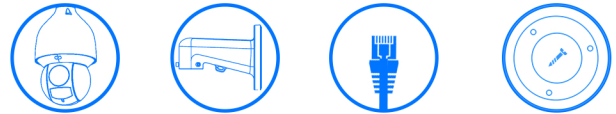
Optional Accessories (not included)

Junction Box	Example	Pole Mount	Example
MAM120	MAM120+MAM305W	MAM150	MAM150+MAM305W
			
Corner Mount	Example	Ceiling Mount	Example
MAM151	MAM151+MAM305W	MAM300C	MAM150+MAM111
			
Parapet Mount	Example	Mount Adapter	Example
MAM303S	MAM303S+MAM111	MAM111	Required For:
			MAM300C - Ceiling Mount MAM151 - Corner Mount MAM303S - Parapet Mount

Dimensions:



What's in the box



8MP Pan-Tilt-Zoom Camera **MAM305W Wall Mount** **1x Ethernet Cable** **Mounting Kit**

Disclaimers:

1. Infrared distance is based on ideal conditions in average outdoor nighttime ambient lighting. Actual distance may vary depending on installation location and lighting conditions
 2. The accuracy of human and vehicle detection will vary depending on multiple factors, such as the objects distance from the camera, size, height and mounting angle of the camera. Night vision will also affect the accuracy of detection.
 - 3 Not inteded for submersion in water. Installation in a sheltered area is recommended.
 4. Camera PoE connection is not waterproof. Extra precatations should be taken during installation to ensure connection is not exposed to moisture. Camera failure due to corosion or short curcuit from moisture is not covered by warranty. Montavue LLC assumes no liability for damage resulting from improper use or installation of its products.
 5. Because we are continuously improving our products, Montavue LLC reserves the right to modify product design, specifications & prices without notice and without incurring any obligation.
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