

# MS930-EHV

## 8MP Panoramic Camera



### Technical Specifications

#### Camera Features

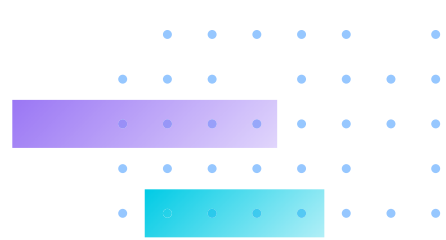
Image sensor	1/2.7" Progressive CMOS
Resolution	HD 4864 x 1632 (8MP) SD 2432x 816
Lens Types	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.2
Iris	Fixed iris
Field of View	180° (Horizontal) 50° (Vertical) 180° (Diagonal)
Camera Movement	Tilt: 20°
Shutter Speed	1/30 sec. to 1/32,000 sec.
Day/Night	Yes
IR Cut Filter	Yes
IR Range	20 meters
WDR Technology	WDR Pro
Minimum Illumination	0.018 lux @ F1.2 (Color), 30IRE <0.01 lux @ F1.2 (B/W) 0 lux with IR illumination on
Onboard Storage	MicroSD/SDHC/SDXC card slot (Built-in 512GB industrial SDCard)

#### Standard Video Settings

Frame Rate	15FPS
Video Streaming Settings	HD 4864 x 1632 (8MP)@15fps 3Mbps upload SD 2432x 816@15fps 400Kbps upload

#### Standard Audio Settings

Audio	One-way Audio
Interface	Built-in microphone
Effective Range	5 meters



## Power and Network

Power input	IEEE 802.3at PoE Class 4
Power Consumption	Max: 20 W / 13.5W (IR on/ IR off)
Connectivity	RJ-45 cable connector for 10/100 Mbps PoE network connection
Protocols	WebRTC, ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IPv4, IPv6, NTP, QoS (CoS/DSCP), RTSP/RTP/RTCP, SSL, TCP/IP, TLS 1.2, UDP
Users	Up to 6 clients *Live viewing for 6 clients *live viewing up to 4 clients and playback 2 clients
Security	Secure boot Signed firmware HTTPS/TLS encryption Video encryption
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.

## General

Operating Temperature	Starting Temperature: -30°C ~ 55°C (-22°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F) (IR off) -40°C ~ 50°C (-40°F ~ 122°F) (IR on)
Humidity	90% RH (non-condensing)
Certifications	EMC: CE (EN 55032/EN 55035 Class A), UKCA (BS EN 55032/BS EN 55035 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A), IC (ICES-003 Issue 7, Class A); Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD (IEC/EN 62368-1), UKCA (BS EN 62368-1); Environment: IK10 (IEC 62262), IP66(IEC 60529)
Warranty	Up to 5 years (Depends on license type)
Included Accessories	Quick installation guide, alignment sticker, desiccant bag, screw driver, screws pack, sunshield

## Mechanical

Weight	1.2 kg
Dimensions	165 x 112 x 119 mm
Body	Metal

## AI Analytics

Audio detection	Yes
Tampering detection	Yes
Application	Intrusion detection, Line crossing detection, Loitering detection, Unattended object detection, Missing object detection
Application with xPro License	AI Hub (Attribute search, Scene search, Re-search, Profile search, LPR search, Think search, Event insight), Facial recognition
Application Available with Advanced AI License	Personal protective equipment, License plate recognition