



VORTEX Series

MS930-EHV

8MP Multi-sensor Panoramic AI
Camera



Technical Specifications

Camera Specifications	
Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	HD 4864x1632 (8MP) SD 2432x816
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.2
Iris Type	Fixed Iris
Field of View	180.0° (Horizontal) 50.0° (Vertical) 180.0° (Diagonal)
Shutter Time	1/30 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR illuminators up to 20 meters with Smart IR, IR LED*8
Minimum Illumination	0.018 lux @ F1.2 (Color), 30IRE <0.01 lux @ F1.2 (B/W) 0 lux with IR illumination on
Tilt Range	20°
Storage	MicroSD/SDHC/SDXC card slot (Built-in 512GB industrial SDCard)

Video

Video stream settings	HD 4864 x 1632 (8MP)@15fps 3Mbps upload SD 2432x 816@15fps 400Kbps upload
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Audio

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

Network	
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
Protocols	ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IPv4, NTP, RTSP/RTP/RTCP, SSL, TCP/IP, TLS 1.2, UDP, WebRTC
Interface	10BASE-T/100BASE-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.

General	
Connectors	RJ-45 cable connector for 10/100 Mbps Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3at PoE Class 4
Power Consumption	PoE: Max. 20W/13.5W (IR on/off)
Dimensions	165 (D) x 112 (W) x 119 (H) mm
Weight	1.2 kg
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)
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)
Warranty	Up to 60 months (Depends on license type)

Included Accessories	
Packing Contents	Quick installation guide, alignment sticker, screw driver, screw pack, desiccant bag, sunshield

VORTEX AI Analytics	
Application	Intrusion detection Line crossing detection Loitering detection Unattended object detection Missing object detection
Audio detection	Yes
Camera tampering detection	Yes

AI Hub (xPro license required)	Attribute search Scene search Re-search Profile search LPR search Think search Event insight Facial recognition
Advanced AI (Advanced AI license required)	Personal protective equipment License plate recognition