VORTEX



IT833-HVW

5MP Outdoor Turret Camera

Technical Specifications

Camera Features	
Image sensor	1/2.8" Progressive CMOS
Resolution	SD: 1280 x 960 HD: 2560 x 1920
Lens Types	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F2.0
Iris	Fixed iris
Field of View	103.4° (Horizontal) 75.3° (Vertical) 135.2° (Diagonal)
Camera Movement	Pan: 350° Tilt: 70° Rotate: ±175°
Shutter Speed	1/5 sec. to 1/32,000 sec.
Day/Night	Yes
IR Cut Filter	Yes
IR Range	Built-in Warm Light & Infrared (Hybrid) illuminators, effective up to 30 meters with Smart IR/ warm light
WDR Technology	WDR Pro
Minimum Illumination	0.055 lux @ F2.0 (Color) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Onboard Storage	MicroSD/SDHC/SDXC card slot (Built-in 256GB industrial SDCard)
Standard Video Settings	
Frame Rate	15FPS
Video Streaming Settings	HD Video 2560 x 1920@15fps 1.2Mbps upload SD Video 1280 x 960@15fps 300Kbps upload
Standard Audio Settings	
Audio	One-way Audio
Interface	Built-in microphone
Effective Range	5 Meters

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Power and Network	
Power input	IEEE 802.3af PoE Class 3
Power Consumption	Max: 10.7W / 7W (IR on/off) Normal: 5.5W
Connectivity	RJ-45 cable connector for 10/100 Mbps Network/PoE connection
Protocols	WebRTC, ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IPv4, NTP, 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 *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
General	
Operating Temperature	Starting Temperature: -10°C ~ 50°C (-14°F ~ 122°F) Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) (IR off) -30°C ~ 45°C (-22°F ~ 113°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) IA BSMI (EMC: CNS 15936, Safety: CNS 15598-1)
Warranty	Up to 10 years (Depends on license type)
Included Accessories	Quick installation guide, alignment sticker, screw pack, cable gland
Mechanical	
Weight	730 g
Dimensions	ø 120 x 95 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, Fall detection, Think alert, License plate recognition

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