VORTEX

IT833-HVW

5MP Outdoor Turret Camera

Technical Specifications

Camera Features
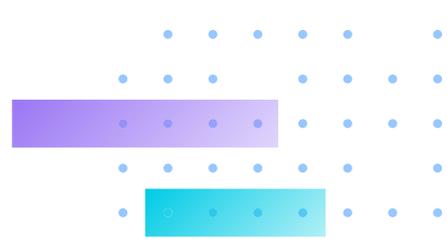
Image sensor	1/2.8" Progressive CMOS
Resolution	SD: 1280 x 960 HD: 2560 x 1920
Lens Types	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F2.0
Iris	Fixed iris
Field of View	103.4° (Horizontal) 75.3° (Vertical) 135.2° (Diagonal)
Camera Movement	Pan: 350° Tilt: 70° Rotate: ±175°
Shutter Speed	1/5 sec. to 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

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, Attribute Search, Scene Search, Re-Search, Profile Search
AI Hub with xPro License	Attribute search, Scene search, Re-search, Profile search, LPR search, Think search, Event insight
Application available with license	Personal protective equipment, Fall detection, Think alert, Facial recognition, License plate recognition

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