VORTEX



IT839-HTVW-V2

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	Motorized, Vari-focal, Remote Focus
Focal Length	f = 2.8~12 mm
Aperture	F1.6 ~ F3.3
Iris	P-iris
Field of View	95.4° ~ 28.7° (Horizontal) 68.8° ~ 21.5° (Vertical) 129.6° ~ 35.9°(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, IR effective up to 40 meters & warm light effective up to 30 meters with Smart IR/ warm light
WDR Technology	WDR Pro
Minimum Illumination	0.04 lux @ F1.6 (Color) 0.005 lux @ F1.6 (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	Two-way audio (Full duplex)
Interface	Built-in microphone Built-in speaker External microphone Input External line output
Effective Range	5 meters

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Power and Network	
Power input	IEEE 802.3af PoE Class 3
Power Consumption	Max. 12.4W/ 9.6W (IR on/off)
Connectivity	RJ-45 cable connector for 10/100 Mbps Network/PoE connection Audio line input Audio line output Digital input: 1 Digital output: 1
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	98% RH (non-condensing)
Certifications	EMC: CE (EN55032, EN55035 Class A), UKCA (BS EN 55032/BS EN 55035 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR32 Class A), VCCI (VCCI-CISPR 32 Class A); IC (ICES-003 Issue 7, Class A) Safety: UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 62368-1, IEC/EN 62471); UKCA (BS EN IEC 62368-1) Environment: IK10 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Warranty	10 years
Included Accessories	Quick installation guide, alignment sticker, screw pack, cable gland
Mechanical	
Weight	780 g
Dimensions	ø 137.9 x 116.9 mm
Body	Metal
AI Analytics	
Audio detection	Yes
Tampering detection	Yes
People Analytics	Intrusion detection, Line crossing detection, Loitering detection, Attribute Search, Scene Search, Re-Search, Profile Search
Vehicle Analytics	Intrusion detection, Line crossing detection, Loitering detection, Attribute Search, Scene Search, Re-Search, LPR Search
Object Analytics	Unattended object detection, Missing object detection

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