VORTEX

IT830-HV

5MP Turret Camera

Technical Specifications

Camera Features	
Image sensor	1/2.7" Progressive CMOS
Resolution	SD: 1280 x 960 HD: 2560 x 1920
Lens Types	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.6
Iris	Fixed iris
Field of View	111.0° (Horizontal) 59.0° (Vertical) 133.0° (Diagonal)
Camera Movement	Tilt: 90° Rotate:180°
Shutter Speed	1/5 sec. to 1/32,000 sec.
Day/Night	Yes
IR Cut Filter	Yes
IR Range	30 meters
WDR Technology	WDR Pro
Minimum Illumination	0.055 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
Interface	Built-in microphone External line Input External line output
Effective Range	5 meters

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Power and Network	
Power input	IEEE 802.3af PoE Class 3 DC 12V
Power Consumption	DC12V: Max. 5.76W PoE: Max. 5.87W, typical 2.7W
Connectivity	RJ-45 cable connector for 10/100/100 Mbps Network/PoE connection Audio line input Audio line output DC 12V power input 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 4 clients *Live viewing for 4 clients *live viewing up to 2 clients and playback 2 clients)
Security	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 ~ 60°C (-22°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F)
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,IP67 (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	537 g
Dimensions	Ø 105 x 82.8 mm
Body	Metal
AI Analytics	
Audio detection	Yes
Tampering detection	Yes
Application	Intrusion detection, Line crossing detection, Loitering detection
AI Hub with xPro License	Deep search, Scene search, Think search, Event insight
Application available with license	-

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