VORTEX

FD837-HTV

5MP Fixed Dome 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 = 2.7 ~ 13.5 mm
Aperture	F1.4 ~ F2.8
Iris	P-iris
Field of View	95° ~ 30° (Horizontal) 70° ~ 23° (Vertical) 128° ~ 38° (Diagonal)
Camera Movement	Pan: ±175° Tilt: 80° Rotate:±175°
Shutter Speed	1/5 sec. to 1/32,000 sec.
Day/Night	Yes
IR Cut Filter	Yes
IR Range	50 meters
WDR Technology	WDR Pro
Minimum Illumination	0.075 lux @ F1.4 (Color) <0.01 lux @ F1.4 (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	External microphone Input External line output
Effective Range	-

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Power and Network	
Power input	AC 24V/DC 12V, IEEE 802.3at PoE Class 4 (Power Redundancy)
Power Consumption	PoE: MAX 22.5W / 18W (IR on/off) DC12V: MAX 23/ 18W (IR on/off) AC24V: MAX: 21W/16W (IR on/off)
Connectivity	RJ-45 cable connector for 10/100 Mbps PoE network connection Audio line input Audio line output DC 12V power input/AC 24V power input Digital input*2 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: -30°C ~ 60°C (-22°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F) (IR off) -30°C ~ 50°C (-22°F ~ 122°F) (IR on)
Humidity	90% RH (non-condensing)
Certifications	EMC: CE (EN55032 Class A,EN55035), FCC (FCC Part 15 Subpart B Class A), ICES-003 issue 7,RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A); Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 62471,IEC/EN 60950-22);Environment; IK10 (IEC 62262), IP66 (IEC 60529)
Warranty	120-month
Included Accessories	Quick installation guide, alignment sticker, screw pack, cable gland
Mechanical	
Weight	905g
Dimensions	Ø 155 x 104 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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