VORTEX

FD819-H

5MP Fixed Dome Camera

Technical Specifications
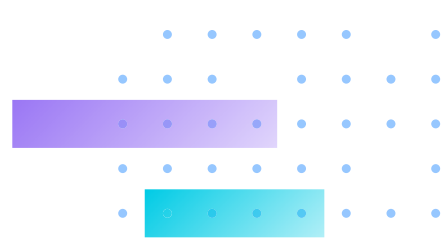
Camera Features

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	F2.0
Iris	Fixed iris
Field of View	103° (Horizontal) 76° (Vertical) 134° (Diagonal)
Camera Movement	Pan 350° Tilt: 80° Rotate:±175°
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	0.06 lux @ F2.0 (Color) 0.01 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 0
Power Consumption	Max. 6.3 W (IR on) Max. 3.9 W (IR off)
Connectivity	RJ-45 cable connector for 10/100 Mbps PoE network connection
RTSP	WebRTC, ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IPv4, IPv6, NTP, QoS (CoS/DSCP), 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 (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: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F) (IR off) -10°C ~ 45°C (14°F ~ 113°F) (IR on)
Humidity	90% RH (non-condensing)
Certifications	EMC: CE (EN55032, EN55024 Class B, E50121-4), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR32 Class B), VCCI (VCCI-CISPR 32 Class B); Safety : UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471)
Warranty	120-month
Included Accessories	Quick installation guide, alignment sticker, screw pack

Mechanical

Weight	350g
Dimensions	Ø 130 x 95 mm
Body	Plastic

AI Analytics

Audio detection	Yes
Tampering detection	Yes
People Analytics	Intrusion detection, Line crossing detection, Loitering detection, Scene Search
Vehicle Analytics	Intrusion detection, Line crossing detection, Loitering detection, Scene Search
Object Analytics	Unattended object detection, Missing object detection