



# FD819-HT

## 5MP Fixed Dome Camera

### Technical Specifications

#### Camera Features

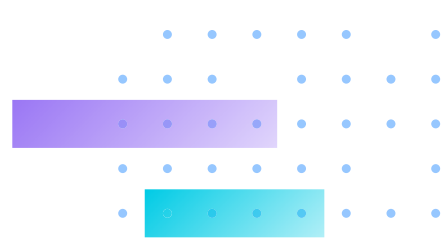
|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Image sensor         | 1/2.7" Progressive CMOS                                                           |
| Resolution           | SD: 1280 x 960<br>HD: 2560 x 1920                                                 |
| Lens Types           | Motorized, Vari-focal, Remote Focus                                               |
| Focal Length         | f= 2.8 ~ 10 mm                                                                    |
| Aperture             | F1.8(W) ~ F2.74(T)                                                                |
| Iris                 | Fixed iris                                                                        |
| Field of View        | 95°~41° (Horizontal)<br>69°~31° (Vertical)<br>127°~51° (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 @ F1.8 (Color)<br>0.01 lux @ F1.8 (B/W)<br>0 lux with IR illumination on |
| Onboard Storage      | MicroSD/SDHC/SDXC card slot<br>(Built-in 256GB industrial SDCard)                 |

#### Standard Video Settings

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Frame Rate               | 15FPS                                                                                 |
| Video Streaming Settings | HD Video 2560 x 1920@15fps 1.2Mbps upload<br>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. 9.7 W (IR on)<br>Max. 7.3 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<br>*Live viewing for 6 clients<br>*live viewing up to 4 clients and playback 2 clients)                                               |
| Security          | Secure boot<br>Signed firmware<br>HTTPS/TLS encryption<br>Video encryption                                                                            |
| Interface         | 10 Base-T/100 Base-TX Ethernet (RJ-45)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard. |

## General

|                       |                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature | Starting Temperature:<br>0°C ~ 50°C (32°F ~ 122°F)<br>Working Temperature:<br>-10°C ~ 50°C (14°F ~ 122°F) (IR off)<br>-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);<br>Safety : UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471) |
| Warranty              | Up to 10 years (Depends on license type)                                                                                                                                                                                      |
| Included Accessories  | Quick installation guide, alignment sticker, screw pack                                                                                                                                                                       |

## Mechanical

|            |               |
|------------|---------------|
| Weight     | 355 g         |
| Dimensions | Ø 130 x 95 mm |
| Body       | Plastic       |

## AI Analytics

|                                    |                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Audio detection                    | Yes                                                                                                                         |
| Tampering detection                | Yes                                                                                                                         |
| Application                        | Intrusion detection, Line crossing detection, Loitering detection,<br>Unattended object detection, Missing object detection |
| AI Hub with xPro License           | Deep search, Scene search, Think search, Event insight                                                                      |
| Application available with license | -                                                                                                                           |