

- **Camera**

Appearance Fisheye

Image Sensor 1/2.5" CMOS

Pixel 6 MP

Max. Resolution 2560 (H) × 2560 (V)

ROM 4 GB

RAM 1 GB

Scanning System Progressive

Electronic Shutter Speed Auto/Manual 1/3 s–1/100,000 s

Min. Illumination 0.006 lux@F2.0 (Colour, 30 IRE) 0.0006 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)

S/N Ratio >56 dB

Illumination Distance Up to 15 m (49.21 ft) (IR)

Illuminator On/Off Control Auto; Manual

Illuminator Number 3 (IR LED)

Built-in Battery Support 1 m AH rechargeable button lithium battery

- **Lens**

Lens Type Fixed-focal

Lens Mount M12

Focal Length 1.68 mm

Max. Aperture F2.0

Field of View H: 185°; V: 185°; D: 185°

Iris Control Fixed

Close Focus Distance 0.3 m (0.98 ft)

DORI Distance D: 33.6 m; O: 13.4 m; R: 6.7 m; I: 3.4 m (D: 110.24 ft; O: 43.96 ft; R: 21.98 ft; I: 11.15 ft) *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

- **Intelligence**

EPTZ Yes

IVS (Perimeter Protection) Tripwire, intrusion (the two functions support accurate detection of human)

People Counting Tripwire people counting, generating and exporting report (day/month/year); queue management and people counting in area, generating and exporting report (day/month); 4 rules can be set for tripwire, people counting in area and queue management.

Heat Map Yes

Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.

- **Video**

Video Compression H.265; H.264; H.264H; H.264B; MJPEG (Only supported by sub stream)

AI Coding AI H.265; AI H.264 *Includes smart codec technology, Smart H.265+ and Smart H.264+

Video Frame Rate Main stream: 2560 × 2560@(1–25/30 fps) sub stream: 1440 × 1440@(1–25/30 fps) third stream: 1440 × 1440@(1–25/30 fps) *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.

Streaming Capability 3 streams

Resolution 6M (2560 × 2560); 4M (2048 × 2048); 1.6M (1280 × 1280); 2M (1440 × 1440); 1M (1024 × 1024); (720 × 720); SVCD (480 × 480); 2.5M (2560 × 960); 1.5M (2048 × 768); 1.3M (1920 × 720); (1280 × 480); (640 × 240); (1280 × 480); (640 × 240); VGA (640 × 480); QVGA (320 × 240); 3M (2048 × 1536); 2.7M (1920 × 1440); XVGA (1024 × 768); UVGA (1600 × 1200)

Bit Rate Control VBR; CBR; ABR

Video Bit Rate H.264: 3 kbps–16384 kbps; H.265: 3 kbps–16384 kbps

Day/Night Auto(ICR)/Colour/B/W

BLC Yes

HLC Yes

WDR 120 dB

Scene Self-adaptation (SSA) Yes

White Balance Auto; natural; street lamp; outdoor; manual; regional custom

Gain Control Auto/Manual

Noise Reduction 3D NR

Motion Detection OFF/ON (4 areas, rectangular)

Default Bit Rate with Default Resolution 3072 kbps (6M)

Region of Interest (RoI) Yes (4 areas)

Defog Yes

Image Rotation 0°/180°

Mirror Yes

Privacy Masking 4 mosaics + 4 colour blocks (The colour of the pure colour block can be set as one, including red, orange, yellow, green, cyan, blue, purple and black. The set colour will be applied to all colour blocks.)

Language English; Traditional; Chinese; Italian; Spanish (South American); Japanese; Russian; French; German; Portuguese; Turkish; Polish; Romanian; Hungarian; Korean; Czechish; Dutch; Ukrainian; Vietnamese; Arabic; Spanish (Europe); Hebrew; Thai; Bahasa Indonesia

- **Fisheye**

Installation Ceiling mount; wall mount; ground mount

Decoding Mode Front-dewarp; Back-dewarp

Display mode Front-dewarp (hardware decoding): 1O; 1P; 2P; 1R; 2R; 4R; 1O+ 3R 2P/2R: Supports split screen for 2 windows. 4R: Supports split screen for 4 windows. *O: Fisheye image view; P: Panoramic image view; R: Region image view. Back-dewarp (software decoding): fisheye view; 360° panoramic view + PTZ; dual-channel 180° panoramic view; fisheye + 2PTZ; fisheye + 3PTZ; fisheye + 4PTZ; 360° panoramic view + 6PTZ; fisheye + 8PTZ; 180° panoramic view; 180° panoramic view + 3PTZ; 180° panoramic view + 4PTZ; 180° panoramic view + 8PTZ; VR mode (panorama; semi-circle; cylinder; asteroid)

- **Audio**

Built-in MIC Yes, built-in dual Mic

Built-in Speaker Yes, built-in speaker

Audio Compression PCM; G.711a; G.711Mu; G.726

Audio Sampling 8 kHz; 16 kHz; 32 kHz; 48 kHz; 64 kHz

- **Alarm**

Alarm Event No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; scene changing; tripwire; intrusion; audio detection; intensity change; voltage detection; external alarm; people counting in area; stay detection; people counting; abnormal number of people detection; security exception

- **Network**

Network Port RJ-45 (10/100 Base-T)

SDK and API Yes

Network Protocol IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P

Interoperability ONVIF (Profile S & Profile G & Profile T & Profile M)

User/Host 20

Storage FTP; SFTP; Micro SD card (support max. 1TB); NAS

Browser IE: IE11; Chrome; Firefox

Management Software Smart PSS Lite; DSS; DMSS; DoLink Care

Security Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification; syslog; HTTPS; 802.1x; Trusted boot; Trusted execution; Trusted upgrade; Session security; Security warning

- **Function**

OSD Overlay Time; channel; location; image; privacy masking; custom

Record Mode Manual record; video detection record; schedule record; alarm record Record priority: Manual>alarm record>video detection>schedule

Micro SD Card (Max.) 1 TB

Default Support one-click restore

User Management Up to 20

Security Mode User name and password; MAC address; HTTPS; IEEE802.1x; network access control

Low Illuminance Level Ultra Starlight

- **Certification**

Certifications CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU

- **Port**

RS-485 1 (baud rate range: 1200 bps–115200 bps)

Audio Input 1 channel (RCA port)

Audio Output 1 channel (RCA port)

Alarm Input 1 channel in: supports wet contact connection (max load 5 mA 3–5 VDC); supports dry contact connection

Alarm Output 1 channel out: wet contact, max load 300 mA 12 VDC

- **Power**

Operating Voltage 12 VDC ($\pm 30\%$); PoE (802.3af)

Power Supply 12 VDC, 1 A; PoE (802.3af)

Dual Power Backup When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.

Power Consumption Basic: 1.4 W (12 VDC), 2.6 W (PoE); Max.: 8.1 W (12 VDC), 10.1 W (PoE) (ICR switch + IR intensity)

- **Environment**

Operating Temperature $-30\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($-22\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)

Operating Humidity $\leq 95\%$ (RH), non-condensing

Storage Temperature−30 °C to +60 °C (−22 °F to +140 °F)

Storage Humidity≤95% (RH), non-condensing

ProtectionIP67; IK10

Anti-corrosion Level Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.

- **Structure**

Casing Material Metal + plastic

Product DimensionsΦ122 mm × 53.3 mm (Φ4.80" × 2.10")

Packaging Dimensions155 mm × 155 mm × 102 mm (6.10" × 6.10" × 4.02") (L × W × H)

Net Weight0.46 kg (1.01 lb)

Gross Weight0.75 kg (1.65 lb)

Installation Ceiling mount; wall mount; horizontal pole mount; vertical pole mount

Power Adapter Optional

LensIncluded