

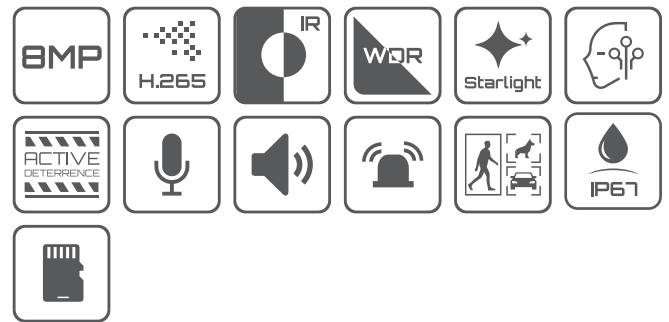
# AMX-3I189T1-ASPV/28

8MP IR Fixed Focal Eyeball Network Camera

**4K**  
ULTRA HD



With advanced deep learning algorithm, the Diamond Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this Diamond Series camera provides a better image effect in the condition of low illuminance.



## MODEL(S) AVAILABLE

## KEY FEATURES

- ▶ 8MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- ▶ Max. 8MP (3840 × 2160) @ 20 fps (AI function enabled); 8MP (3840 × 2160) @ 25/30 fps (with AI function disabled)
- ▶ H.265 codec, high compression rate, low bit rate
- ▶ Built-in warm illuminator, and the max. illumination distance: 98 ft (30 m)
- ▶ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- ▶ Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- ▶ Alarm In/Out: 1/1; Audio In/Out: 1/1; Supports max. 256 GB Micro SD card; Built-in Mic and Speaker
- ▶ 12V DC / PoE power supply
- ▶ IP67 protection
- ▶ SMD Plus; Red and blue flashlight alarm

## Product Specifications

| Camera                |   |
|-----------------------|---|
| Image Sensor          | 1/2.8" 8MP Progressive CMOS                     |
| Image Resolution      | 3840 (H) × 2160 (V)                             |
| ROM                   | 128 MB  |
| RAM                   | 512 MB  |
| Electronic Shutter    | Auto/Manual 1/3 s ~ 1/100,000 s                 |
| Minimum Illumination  | 0.007 Lux @ F1.4                                |
| S/N Ratio             | > 56 dB   |
| IR LEDs               | 2 (Warm light)                                  |
| IR Distance           | 98 ft (30 m)                                    |
| Lens Type             | Fixed-focal                                     |
| Focal Length          | 2.8 mm  |
| Angle of View         | Horizontal: 107°                                |
|                       | Vertical: 56°                                   |
|                       | Diagonal: 127°                                  |
| Max. Aperture         | F1.4  |
| Close Focus Distance  | 4.6 ft (1.4 m)                                  |
| Pan / Tilt / Rotation | Pan: 0°~360° / Tilt: 0°~78° / Rotation: 0°~360° |

| Video Standard          |   |
|-------------------------|---|
| Video Compression       | H.265/H.264/H.264H/H.264B/MJPEG (Sub stream only)   |
| Smart Codec             | Smart H.265+ / Smart H.264+   |
| Video Frame Rate        | <b>Main stream:</b><br>3840 × 2160 @ 1~20 fps (by default)<br>3840 × 2160 @ 1~25/30 fps (AI function disabled)  |
|                         | <b>Sub stream:</b><br>704 × 576 @ 1-25 fps / 704 × 480 @ 1-30 fps   |
|                         | <b>Third stream:</b> 1920 × 1080 @ 1-25/30 fps  |
| Streaming Capability    | 3 Streams   |
| Video Resolution        | 8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728/2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536/2304 × 1296); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288 / 352 × 240) |
| Bit Rate Control        | CBR; VBR  |
| Video Bitrate           | H264: 3 Kbps ~ 8192 Kbps<br>H265: 3 Kbps ~ 8192 Kbps  |
| Day / Night             | Auto (ICR) / Color / B / W  |
| BLC Mode                | Yes   |
| HLC Mode                | Yes   |
| Wide Dynamic Range      | 120 dB true WDR   |
| White Balance           | Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom   |
| Gain Control            | Auto / Manual   |
| Digital Noise Reduction | 3D DNR  |
| Motion Detection        | On / Off (4 areas)  |
| Region of Interest      | 4   |
| Smart Illumination      | Yes   |
| Mirror                  | Yes   |
| Privacy Masking         | Yes   |
| Image Rotation          | 0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower)   |

| Network & Interface      |   |
|--------------------------|---|
| Ethernet                 | RJ-45 (10/100 Base-T)   |
| SDK and API              | Yes   |
| Cyber Security           | Video encryption; firmware encryption; configuration encryption; 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 |
| Network Protocol         | IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; IGMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP   |
| Network Interoperability | ONVIF (Profile S/Profile T); CGI; P2P; Milestone; Genetec   |
| Scene Self-Adaptation    | Yes   |
| Streaming Method         | N/A   |
| Network Max. Users       | 20 (Total bandwidth: 72 M)  |
| Storage                  | FTP; SFTP; NAS<br>Micro SD Card Slot (support max. 256 GB)  |
| Web Viewer               | IE / Chrome / Firefox   |
| Management Software      | Smart PSS / DSS / DMSS  |
| Mobile                   | iOS / Android   |
| BNC                      | N/A   |
| Audio I/O                | 1/1, RCA port   |
| Alarm I/O                | 1/1   |
| Audio Compression        | G.711a; G.711Mu; G726   |
| Built-in Mic             | Yes   |

| Video Intelligent          |   |
|----------------------------|---|
| IVS (Perimeter Protection) | Tripwire; Intrusion (support the classification and accurate detection of vehicle and human)                    |
| Smart Search               | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos |

| General               |   |
|-----------------------|---|
| Power Supply          | 12 V DC / PoE (802.3af)   |
| Power Consumption     | Basic power consumption: 2.7 W (12 V DC); 3.4 W (PoE); Max. power consumption (WDR + H.265 + IR + warm light + sound alarm): 7.4 W (12 V DC); 8.1 W (PoE) |
| Operating Temperature | -40°C ~ 60°C (-40°F ~ 140°F) / ≤ 95% RH   |
| Storage Temperature   | -40°C ~ 60°C (-40°F ~ 140°F)  |
| Protection            | IP67  |
| Casing                | Metal   |
| Dimensions            | 110.9 mm × φ 122.0 mm (4.4" × φ 4.8")   |
| Net Weight            | 754 g (1.7 lb)  |
| Gross Weight          | 915 g (2.0 lb)  |
| Certification         | CE-LVD: EN62368-1<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU<br>FCC: 47 CFR FCC Part 15, Subpart B                                     |

## Product Specifications

### Product Accessories



PFA137



PFA152-E



PFB203W



PFB220C

### Product Dimensions ( mm [inch] )

