

# 8MP HD Intelligent Light and Audible Warning Fixed Eyeball Network Camera

IPC3638SS-ADF28(40)KMC-I1



## Features

- High quality image with 8MP, 1/2.8" CMOS sensor
- 8MP (3840 × 2160)@30/25 (default) fps; 5MP (3072 × 1728)@30/25 fps; 4MP (2560 × 1440)@30/25 fps; 2MP (1920 × 1080)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- Intelligent perimeter protection, include cross line, intrusion, enter area, leave area detection
- Intelligent Intrusion Prevention System based on target classification significantly reduces false alarms caused by leaves, birds, and lighting, accurately focusing on humans, vehicles, and non-motorized vehicles
- Intelligent People Flow Counting and Crowd Density Monitoring
- Smart intrusion prevention with Color retrieval
- Auto Scene Match (ASM) (Only WDR)
- 130 dB true WDR technology enables clear image in strong light scene
- Support red and blue warning light
- Support 9:16 Corridor Mode
- Alarm: 1 in/1 out, Audio: 1 in/1 out, Built-in Mic and Speaker
- Smart IR, up to 30 m (98.4 ft) IR distance
- Supports up to 512 GB Micro SD Card
- IP67 protection

## Specifications

|                                    |                                                       |                 |                       |
|------------------------------------|-------------------------------------------------------|-----------------|-----------------------|
| Model                              | IPC3638SS-ADF28KMC-I1                                 |                 | IPC3638SS-ADF40KMC-I1 |
| Camera                             |                                                       |                 |                       |
| Max Resolution                     | 8 MP                                                  |                 |                       |
| Sensor                             | 1/2.8" CMOS                                           |                 |                       |
| Min. Illumination                  | Colour: 0.001 lux ( F1.0, AGC ON)<br>0 Lux with light |                 |                       |
| Day/Night                          | IR-cut filter with auto switch (ICR)                  |                 |                       |
| Shutter                            | Auto/Manual, 1 ~ 1/100000s                            |                 |                       |
| Adjustment Angle                   | Pan: 0° ~ 360°, Tilt: 0° ~ 80°, Rotate: 0° ~ 360°     |                 |                       |
| S/N                                | >56 dB                                                |                 |                       |
| WDR                                | 130 dB                                                |                 |                       |
| Lens                               |                                                       |                 |                       |
| Focal Length                       | 2.8 mm                                                | 4.0 mm          |                       |
| Iris Type                          | Fixed                                                 |                 |                       |
| Iris                               | F1.0                                                  |                 |                       |
| Field of View (H)                  | 106.5°                                                | 92°             |                       |
| Field of View (V)                  | 57.9°                                                 | 51°             |                       |
| Field of View (D)                  | 132°                                                  | 106°            |                       |
| DORI                               |                                                       |                 |                       |
| DORI Distance (Lens)               | 2.8mm                                                 | 4.0mm           |                       |
| DORI Distance (Detect)             | 86.9m(285.1ft)                                        | 124.1m(407.2ft) |                       |
| DORI Distance (Observe)            | 34.8m(114.2ft)                                        | 49.7m(163.1ft)  |                       |
| DORI Distance (Recognize)          | 17.4m(57.1ft)                                         | 24.8m(81.4ft)   |                       |
| DORI Distance (Identify)           | 8.7m(28.5ft)                                          | 12.4m(40.7ft)   |                       |
| Illuminator                        |                                                       |                 |                       |
| Supplemental Light                 | Dual light                                            |                 |                       |
| Illumination Distance (IR)         | IR 30 m, Warm Light 30 m                              |                 |                       |
| Illumination Distance (Warm Light) | IR 30 m, Warm Light 30 m                              |                 |                       |
| IR On/Off Control                  | Auto/Manual                                           |                 |                       |
| Wavelength                         | 850 nm                                                |                 |                       |
| Light On/Off Control               | Auto/Manual                                           |                 |                       |

## Video

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression  | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                         |
| H.264 Code Profile | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                                                           |
| Frame Rate         | Main Stream: 8MP (3840*2160), Max 30fps; 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;<br>Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; |
| Video Bit Rate     | 128 Kbps to 16 Mbps                                                                                                                                                                                                                                                                                                                                                                                                    |
| U-code             | Support                                                                                                                                                                                                                                                                                                                                                                                                                |
| OSD                | Up to 8 OSDs                                                                                                                                                                                                                                                                                                                                                                                                           |
| Privacy Mask       | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                                                          |
| ROI                | Support                                                                                                                                                                                                                                                                                                                                                                                                                |
| Video Stream       | Triple streams                                                                                                                                                                                                                                                                                                                                                                                                         |

## Image

|                         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| White Balance           | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                  |
| Digital Noise Reduction | 2D/3D DNR                                                             |
| Smart IR                | Support                                                               |
| Auto Scene Match (ASM)  | Support (only WDR)                                                    |
| Flip                    | Normal, Vertical, Horizontal, 180°, 90° Clockwise, 90° Anti-clockwise |
| Dewarping               | N/A                                                                   |
| HLC                     | Support                                                               |
| BLC                     | Support                                                               |
| Defog                   | Digital defog                                                         |

## Intelligent

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Intrusion Prevention | Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) |
| Statistical Analysis       | N/A                                                                                                                                                                                  |
| People Counting            | Support people flow counting and crowd density monitoring                                                                                                                            |
| Attribute Collection       | SIP with color retrieval                                                                                                                                                             |

## Events

|                  |                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Detection  | Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind                                           |
| General Function | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output |

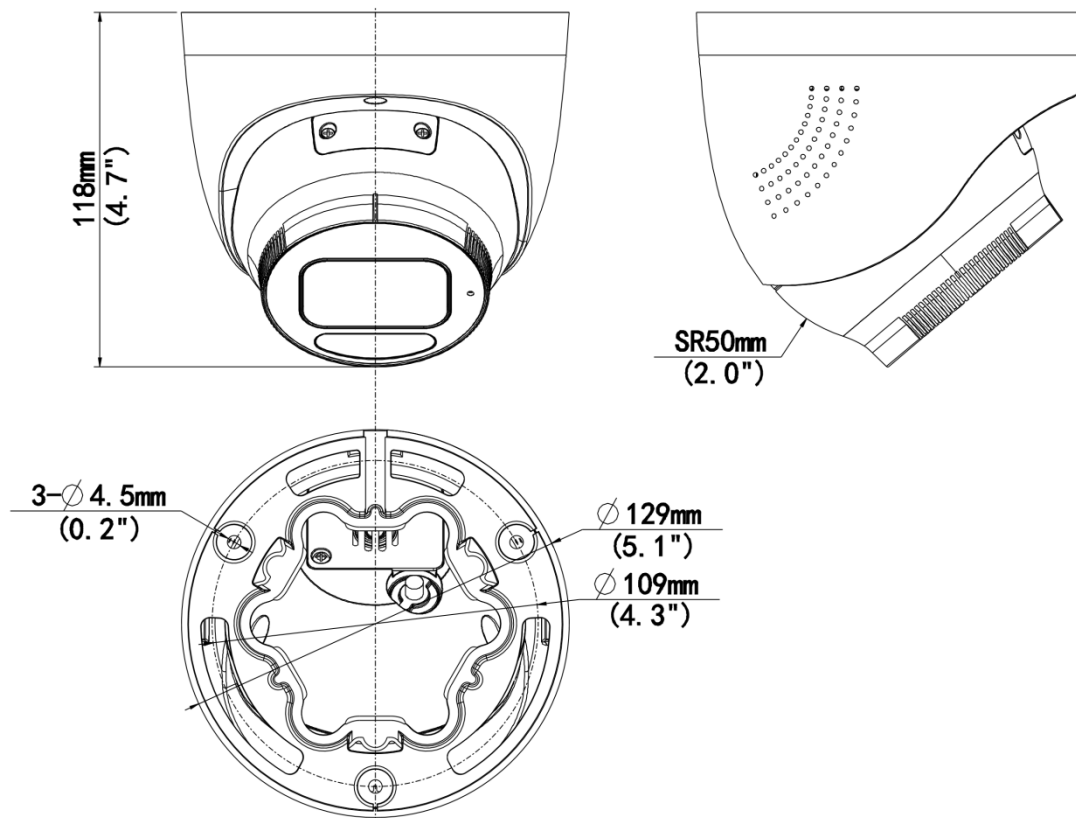
## Audio

|                   |                |
|-------------------|----------------|
| Audio Compression | G.711U, G.711A |
| Audio Bitrate     | 64 Kbps        |

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Two-way Audio          | Support                                                                                                                                                                                                    |
| Suppression            | Support                                                                                                                                                                                                    |
| Sampling Rate          | 8 kHz                                                                                                                                                                                                      |
| <b>Storage</b>         |                                                                                                                                                                                                            |
| Edge Storage           | Micro SD, up to 512 GB                                                                                                                                                                                     |
| Network Storage        | ANR, NAS (NFS)                                                                                                                                                                                             |
| <b>Network</b>         |                                                                                                                                                                                                            |
| Protocols              | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH                                                   |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API, SDK                                                                                                                                                          |
| User/Host              | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                     |
| Security               | Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF |
| Client                 | UNV-Link, UNV-Link Pro, EZStation                                                                                                                                                                          |
| Web Browser            | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+                                                                           |
| <b>Interface</b>       |                                                                                                                                                                                                            |
| Audio I/O              | 1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]                                                                                                              |
| Alarm I/O              | 1/1                                                                                                                                                                                                        |
| Serial Port            | N/A                                                                                                                                                                                                        |
| Built-in Mic           | Support                                                                                                                                                                                                    |
| Built-in Speaker       | Support                                                                                                                                                                                                    |
| WIFI                   | N/A                                                                                                                                                                                                        |
| Network                | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                       |
| Video Output           | N/A                                                                                                                                                                                                        |
| <b>Certification</b>   |                                                                                                                                                                                                            |
| EMC                    | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130)<br>FCC (FCC 47 CFR part15 B)                                                                                                                   |
| Safety                 | CE-LVD (EN 62368-1)<br>CB (IEC 62368-1)<br>UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)                                                                                                                  |
| Environment            | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)                                                                                                                                                       |
| Protection             | IP67 (IEC 60529)                                                                                                                                                                                           |
| <b>General</b>         |                                                                                                                                                                                                            |
| Power                  | DC 12V±25%, PoE (IEEE 802.3af)                                                                                                                                                                             |
| Power Consumption      | Max 10.0W                                                                                                                                                                                                  |
| Power Interface        | Ø5.5 mm coaxial power plug                                                                                                                                                                                 |
| Dimensions             | Ø129 x 118mm (Ø5.1" x 4.7") (Ø x H)                                                                                                                                                                        |
| Weight                 | 0.69kg (1.53lb)                                                                                                                                                                                            |
| Material               | Metal                                                                                                                                                                                                      |

|                     |                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                             |
| Storage Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                             |
| Surge Protection    | 4 KV                                                                                                                                                                                                                                                                |
| Reset Button        | Support                                                                                                                                                                                                                                                             |
| Web Client Language | 20 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese |

## Dimensions



## Accessories

TR-JB03-H-IN

Junction Box for Metal Turret  
Camera(Support wiring from behind)



TR-JB07/WM03-F-IN

Wall Mounting Assembling Bracket with  
Back Hole for 3 Inch Hemisphere



TR-WM03-B-IN

Wall Mounting Assembling Bracket for 3  
Inch Hemisphere



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



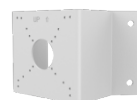
TR-UP06-IN

Universal Pole Mounting Bracket



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



TR-SE24-IN

Dome Pendant Mounting Pole 200mm



TR-SE24-A-IN

Dome Pendant Mounting Pole 500mm



TR-CM24-IN

Dome Pendant Mounting Bracket(Indoor)



### Zhejiang Uniview Technologies Co., Ltd.

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Email: [overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com); [globalsupport@uniview.com](mailto:globalsupport@uniview.com)

<http://www.uniview.com>

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