

## 5MP HD Intelligent ColorHunter Fixed Bullet Network Camera

IPC2225SE-DF40(60)K-WL-I0



### Features

- High quality image with 5MP, 1/2.7" CMOS sensor
- 5MP (2880 × 1620)@30/25 fps; 4MP (2560 × 1440)@30/25 fps; 3MP (2304 × 1296)@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
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
- Intelligent People Flow Counting and Crowd Density Monitoring
- Colorhunter technology ensures 24-hour full-color images
- 120 dB true WDR technology enables clear image in strong light scene
- Support 9:16 corridor Mode
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Supports 512 G micro SD card
- IK10 vandal resistant and IP67 protection
- Support PoE power supply

### Specifications

|       |                       |                       |
|-------|-----------------------|-----------------------|
| Model | IPC2225SE-DF40K-WL-I0 | IPC2225SE-DF60K-WL-I0 |
|-------|-----------------------|-----------------------|

## Camera

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Max Resolution    | 5 MP                                                 |
| Sensor            | 1/2.7" CMOS                                          |
| Min. Illumination | Colour: 0.001 lux (F1.0, AGC ON)                     |
| Shutter           | Auto/Manual, 1 ~ 1/100000s                           |
| Adjustment Angle  | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360° |
| S/N               | >56 dB                                               |
| WDR               | 120 dB                                               |

## Lens

|                   |        |        |
|-------------------|--------|--------|
| Focal Length      | 4.0 mm | 6.0 mm |
| Iris Type         | Fixed  |        |
| Iris              | F1.0   |        |
| Field of View (H) | 80.2°  | 53.4°  |
| Field of View (V) | 43.0°  | 29.2°  |
| Field of View (D) | 94.7°  | 61.6°  |

## DORI

|                           |                   |                    |
|---------------------------|-------------------|--------------------|
| DORI Distance (Lens)      | 4.0mm             | 6.0mm              |
| DORI Distance (Detect)    | 90.0 m (295.3 ft) | 135.0 m (442.9 ft) |
| DORI Distance (Observe)   | 36.0 m (118.1 ft) | 54.0 m (177.2 ft)  |
| DORI Distance (Recognize) | 18.0 m (59.1 ft)  | 27.0 m (88.6 ft)   |
| DORI Distance (Identify)  | 9.0 m (29.5 ft)   | 13.5 m (44.3 ft)   |

## Illuminator

|                                    |                |
|------------------------------------|----------------|
| Supplemental Light                 | Warm light     |
| Illumination Distance (Warm Light) | 30 m (98.4 ft) |
| Light On/Off Control               | Auto/Manual    |

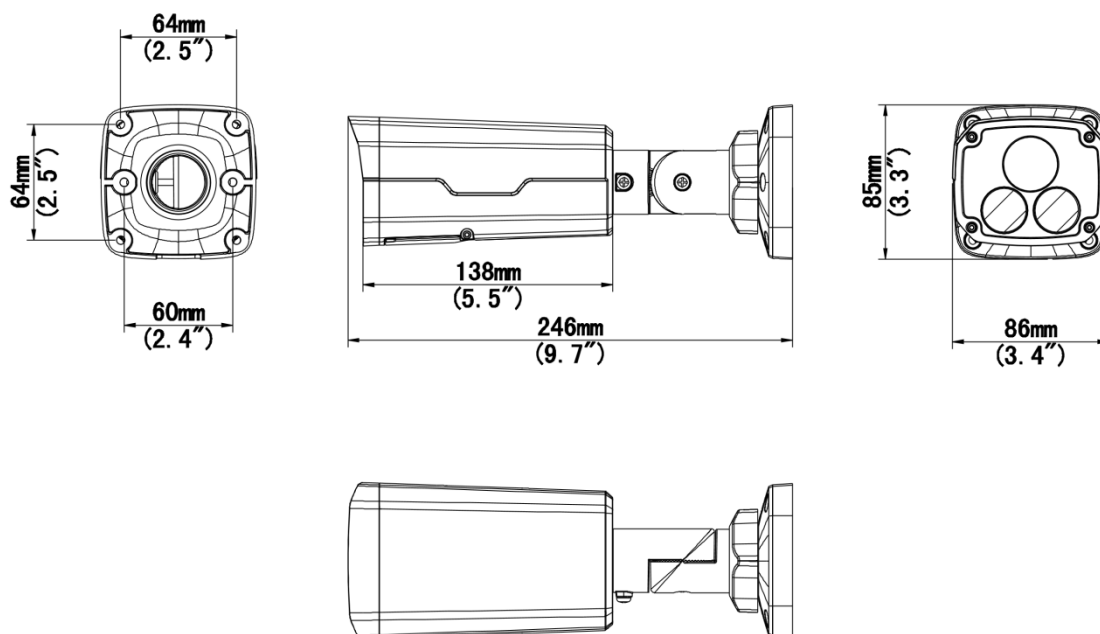
## Video

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression       | Ultra 265, H.265, H.264, MJPEG                                                                                                                            |
| Frame Rate-Main Stream  | 5MP (2880 × 1620), Max 30 fps; 4MP (2560 × 1440), Max 30 fps; 3MP (2304 × 1296), Max 30 fps; 2MP (1920 × 1080), Max 30 fps; 720P (1280 × 720), Max 30 fps |
| Frame Rate-Sub Stream   | 720P (1280 × 720), Max 30 fps; D1 (720 × 576), Max 30 fps; 640 × 360, Max 30 fps;                                                                         |
| Frame Rate-Third Stream | D1 (720 × 576), Max 30 fps; 640 × 360, Max 30 fps; 2CIF (704 × 288), Max 30 fps; CIF (352 × 288), Max 30 fps;                                             |

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                         |
| 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                                                                                                                                                                       |
| <b>Image</b>               |                                                                                                                                                                                      |
| Smart Illumination         | Support                                                                                                                                                                              |
| White Balance              | Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2                                                                                                                                 |
| Digital Noise Reduction    | 2D/3D DNR                                                                                                                                                                            |
| Flip                       | Normal, Flip Vertical, Flip Horizontal, 180°, 90°Clockwise, 90°Anti-clockwise                                                                                                        |
| Dewarping                  | N/A                                                                                                                                                                                  |
| HLC                        | Support                                                                                                                                                                              |
| BLC                        | Support                                                                                                                                                                              |
| Defog                      | Digital defog                                                                                                                                                                        |
| <b>Intelligent</b>         |                                                                                                                                                                                      |
| 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                                                                                                                            |
| <b>Events</b>              |                                                                                                                                                                                      |
| Basic Detection            | Motion detection, Ultra motion detection, Tampering alarm, Audio detection                                                                                                           |
| General Function           | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output                             |
| <b>Audio</b>               |                                                                                                                                                                                      |
| 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, Profile M), API, SDK                                                                                                                         |
| User/Host                  | Up to 32 users, 2 user levels: administrator and common user                                                                                                                         |

|                      |                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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         | N/A                                                                                                                                                                                                                                                                 |
| Built-in Speaker     | N/A                                                                                                                                                                                                                                                                 |
| 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: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020)<br>FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)                                                                                                |
| Safety               | CE LVD (EN 62368-1:2014+A11:2017)<br>CB (IEC 62368-1:2014)<br>UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)                                                                                                                                                      |
| Environment          | CE-RoHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                                                         |
| Protection           | IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)<br>IK10 (IEC 62262:2002)                                                                                                                                                                                                  |
| <b>General</b>       |                                                                                                                                                                                                                                                                     |
| Power                | DC 12 V±25%, PoE (IEEE 802.3af)                                                                                                                                                                                                                                     |
| Power Consumption    | Max 9.0 W                                                                                                                                                                                                                                                           |
| Power Interface      | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions           | 246 × 86 × 85 mm (9.7" × 3.4" × 3.3" ) (L × W × H)                                                                                                                                                                                                                  |
| Weight               | 0.92 kg (2.02 lb)                                                                                                                                                                                                                                                   |
| 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         | N/A                                                                                                                                                                                                                                                                 |
| 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-JB07-D-IN

Bullet Junction Box(Support wiring from behind)



TR-JB06-A-IN

Middle Bullet Junction Box(Elegant White)



TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



## **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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