

## 8 MP Color Hunter with Wise ISP IP Turret Camera 2.8mm Lens

GV-E8MP-AI-IP-2.8-IR30CWP



### Features

- High quality image with 8MP, 1/1.2"CMOS sensor
- 8MP (3840\*2160)@ 30/25fps; 5.3MP (3072\*1728)@ 30/25fps; 3.6MP (2560\*1440) @30/25fps; 2MP (1920\*1080) @30/25fps; 720P (1280\*720), Max 30/25fps
- Ultra 265, H.265, H.264, MJPEG
- Color hunter with Wise-ISP technology ensures 24-hour full-color images
- Intelligent perimeter protection, including cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reduces 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, Face Detection
- Smart intrusion prevention with Color retrieval
- Auto Scene Match (ASM)
- 130dB 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, Built-in Mic
- White Light, up to 30m warm light distance
- Supports 512 G Micro SD card
- IK10 vandal resistant and IP67 protection

## Specifications

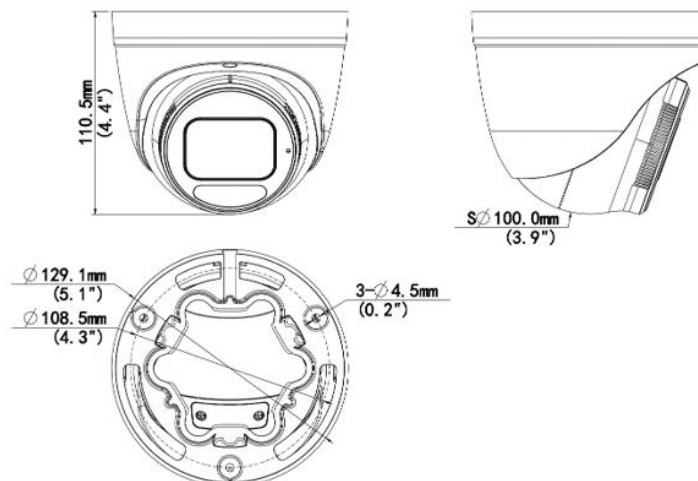
|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                              | GV-E8MP-AI-IP-2.8-IR30CWP                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Camera                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Max Resolution                     | 8MP                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sensor                             | 1/1.2" CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Min. Illumination                  | Color: 0.0003 lux (F1.0, AGC ON)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Shutter                            | Auto/Manual, 1 to 1/100000s                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Adjustment Angle                   | Pan: 0° ~ 360°, Tilt: 0° ~ 75°, Rotate: 0° ~ 360°                                                                                                                                                                                                                                                                                                                                                                                                         |
| S/N                                | > 56 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WDR                                | 130 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lens                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Focal Length                       | 2.8 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Iris Type                          | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Iris                               | F1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Field of View (H)                  | 105.0°                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Field of View (V)                  | 53.1°                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Field of View (D)                  | 121.0°                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lens Type                          | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DORI                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DORI Distance (Lens)               | 2.8 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DORI Distance (Detect)             | 43.4m(142.5ft)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DORI Distance (Observe)            | 17.4m(57.0ft)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DORI Distance (Recognize)          | 8.7m(28.5ft)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DORI Distance (Identify)           | 4.3m(14.3ft)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Illuminator                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Supplemental Light                 | Warm Light                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Illumination Distance (Warm Light) | 30 m (98.4 ft)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| IR On/Off Control                  | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Video                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Video Compression                  | Ultra265, H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                             |
| H.264 Code Profile                 | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                                                                                              |
| Frame Rate                         | Main Stream: 8MP (3840*2160), Max 30fps; 5.3MP (3072*1728), Max 30fps; 3.6MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps<br>Sub Stream: 1080P (1920*1080), Max 30fps; 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 4 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                                                                                                                                                                                                    |
| Flip                       | Normal, Flip vertical, Flip 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) Face Detection        |
| 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                                                                                                                                                                                                      |
| Storage                    |                                                                                                                                                                                                            |
| Edge Storage               | MicroSD, up to 512 GB                                                                                                                                                                                      |
| Network Storage            | ANR, NAS (NFS)                                                                                                                                                                                             |
| Network                    |                                                                                                                                                                                                            |
| 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. 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                     | APP: Guard Live<br>CMS: Guard Station<br>Tools: Guard Tools                                                                                                                                                |
| 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+                                                                           |
| Interface                  |                                                                                                                                                                                                            |
| 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    | N/A                                                                                                                                                                                                                                                                 |
| WIFI                | N/A                                                                                                                                                                                                                                                                 |
| Network             | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                                                                                |
| Video Output        | N/A                                                                                                                                                                                                                                                                 |
| Certification       |                                                                                                                                                                                                                                                                     |
| 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>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)<br>IK10 (IEC 62262)                                                                                                                                                                                                                                |
| General             |                                                                                                                                                                                                                                                                     |
| Power               | DC 12 V±25%, PoE (IEEE 802.3af)                                                                                                                                                                                                                                     |
| Power Consumption   | Max 6.0W                                                                                                                                                                                                                                                            |
| Power Interface     | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions          | Ø129 mm × 110 mm (Ø5.1" × 4.3") (Ø × H)                                                                                                                                                                                                                             |
| Weight              | 0.69 kg (1.53 lbs.)                                                                                                                                                                                                                                                 |
| 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 |

\*Product performance is based on testing in a controlled environment. Your results may vary due to several external and environmental factors

## Dimensions



## Accessories

GV-JB3H

Junction Box for Metal Turret  
(Support wiring from behind)



GV-JB7-WM3F

Wall Mount Assembling Bracket with  
Back Hole for 3in Hemisphere



GV-WM3B

Wall Mount Assembling Bracket  
for 3in Hemisphere



GV-AI

NPT 3/4" Waterproof Cable Gland



GV-PS6C-V2

Universal Pole Mounting Bracket



GV-PMS24

Dome Pendent Mounting Pole  
200mm



GV-PMS24A

Dome Pendent Mounting Pole  
500mm



GV-CM24

Dome Pendent Mounting Bracket (Indoor)

