



# GE-PTZ 172SIEA/4.6-152mm

2MP, IP66, 25X, IR PTZ Camera



*Pro series*



## KEY FEATURES

- Housing (Metal)
- Up to 2MP, 1920×1080@30fps
- Color: 0.001lux@ (F1.5, AGC ON), B/W: 0lux with IR
- S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
- Optical zoom 25X
- IR range up to 150m
- Built-in Micro SD card slot, up to 512 GB
- Operating conditions -30°C~65°C (-22°F~149°F), ≤95%RH
- DC12V±10%, PoE: IEEE 802.3at
- IP66
- Support smart surveillance, detect up to 32 faces at the same scene
- Support human/vehicle classification





## SPECIFICATIONS

| Image                                     |                                                                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Max. Resolution                           | 2MP,1920×1080@30fps                                                                                                                          |
| Main Stream                               | PAL:25fps (1920×1080,1280×720,640×480,704×576)<br>NTSC:30fps (1920×1080,1280×720,640×480,704×480)                                            |
| Sub Stream                                | PAL:25fps (704×576,704×288,640×360,352×288)<br>NTSC:30fps (704×480,704×240,640×360,352×240)                                                  |
| Third Stream                              | PAL:25fps (352×288)<br>NTSC:30fps (352×240)                                                                                                  |
| BLC                                       | Yes                                                                                                                                          |
| HLC                                       | Yes                                                                                                                                          |
| AGC                                       | Yes                                                                                                                                          |
| 3 DNR                                     | Yes                                                                                                                                          |
| White Balance                             | Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warm light Lamp/Daylight Lamp/Filament Lamp/Lock White Balance                                   |
| OSD                                       | 5 regions (Each region can have a maximum of 127 characters, up to 5 lines);<br>16*16/24*24/32*32/48*48/64*64/adaptable size; Vector/Lattice |
| Defog                                     | Yes                                                                                                                                          |
| ROI                                       | 7 rectangular 3D fixed focus areas, supporting 1 rectangular dynamic tracking ROI                                                            |
| Regional Exposure, Demist, Regional Focus | Yes                                                                                                                                          |
| Flip                                      | Normal/Horizontal Mirror/Vertical Mirror/Inverted Flip                                                                                       |
| Privacy Mask                              | 24 regions (Up to 4 blocks in the same scene)                                                                                                |
| Pan &Tilt                                 |                                                                                                                                              |
| Pan Range                                 | 360°                                                                                                                                         |
| Pan Speed                                 | Manual Speed:0.1°~200°/s<br>Preset Speed:240°/s                                                                                              |
| Tilt Range                                | -16°~90° (Default -3°~90°)                                                                                                                   |
| Tilt Speed                                | Manual Speed:0.1°~120°/s<br>Preset:180°/s                                                                                                    |
| 3D Position                               | Yes                                                                                                                                          |
| Preset                                    | 500                                                                                                                                          |
| Cruise                                    | 16, up to 32 presets per cruise                                                                                                              |
| Scan                                      | 8                                                                                                                                            |
| Pattern                                   | 8, each with 600s memory or 1000 orders                                                                                                      |
| Scheduled Task                            | Preset, Cruise, Scan, Pattern                                                                                                                |
| Power-off Memory                          | Yes                                                                                                                                          |
| North Point                               | Yes (Manual setting)                                                                                                                         |



| Camera                   |                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.8"CMOS                                                                                                                                                                                                                      |
| Min. Illumination        | Color:0.001lux@ (F1.5, AGC ON), B/W:0lux with IR                                                                                                                                                                                |
| Shutter Time             | 1s~1/100000s                                                                                                                                                                                                                    |
| Day & Night              | IR-cut filter with auto switch (ICR)                                                                                                                                                                                            |
| Smart IR                 | Yes                                                                                                                                                                                                                             |
| WDR                      | 120dB                                                                                                                                                                                                                           |
| S/N                      | 42dB                                                                                                                                                                                                                            |
| Lens                     |                                                                                                                                                                                                                                 |
| Focal Length             | 4.8mm~120mm                                                                                                                                                                                                                     |
| Optical Zoom             | 25X                                                                                                                                                                                                                             |
| Digital Zoom             | 16X                                                                                                                                                                                                                             |
| Zoom Speed               | <5s                                                                                                                                                                                                                             |
| Aperture Range           | F1.5~F3.8                                                                                                                                                                                                                       |
| Aperture Type            | Auto(P-Iris)                                                                                                                                                                                                                    |
| Field of View            | 58.5°~2.8°(H); 33.2°~1.5°(V); 65.2°~3.3°(D)                                                                                                                                                                                     |
| Focus Control            | Auto/Semi-auto/Manual                                                                                                                                                                                                           |
| Close Focus Distance     | 200mm~1500mm                                                                                                                                                                                                                    |
| DORI Distance            | Detect:1517m Observe:602m Recognize:303m Identify:151m                                                                                                                                                                          |
| Feature                  |                                                                                                                                                                                                                                 |
| General Alarm            | Motion Detection; Mask Alarm; Alarm Input                                                                                                                                                                                       |
| Exceptions Alarm         | Voltage Alarm; Disk Full; Disk R/W Error; Recording Exception; IP Address Conflict; MAC Address Conflict; FTP Server Exception; Network cable disconnected                                                                      |
| Linkage Method           | Send Email; Trigger Sound; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output                                                                                                                         |
| Video Analytics          | Human/Vehicle Classification; Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Heatmap; Loitering; Running; Parking; People Counting; Crowded Detection; On Duty Detection; Video Abnormal; Audio Abnormal |
| Auto-Tracking            | Yes                                                                                                                                                                                                                             |
| Face Mode                | Face Capture                                                                                                                                                                                                                    |
| Face Capture Performance | Detect up to 32 faces at the same scene; Capture up to 16 faces at the same scene;                                                                                                                                              |
| Illuminator              |                                                                                                                                                                                                                                 |
| IR LEDs                  | 6                                                                                                                                                                                                                               |
| IR Distance              | Up to 150m                                                                                                                                                                                                                      |
| Wavelength               | 850nm                                                                                                                                                                                                                           |
| IR Irradiation Angle     | Yes                                                                                                                                                                                                                             |



### Compression Standard

|                     |                                              |
|---------------------|----------------------------------------------|
| Video Compression   | S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG |
| Video Bit Rate      | 32Kbps~16Mbps                                |
| Audio Compression   | G.711A/G.711U/ADPCM_D/AAC_LC                 |
| Audio Sampling Rate | 8KHz/32KHz/48KHz                             |

### Network

|                      |                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANR                  | Yes                                                                                                                                                                                                  |
| Protocols            | HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP v1\v2\v3; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; TLS v1.2; SSL; 802.1X; QoS; IPv4; IPv6; PPPoE; SSH; Unicast; Multicast; RTCP; ARP; SRTP; FTP; SFTP |
| System Compatibility | P2P; ONVIF (Profile S/T/G/M); SDK; CGI; Milestone; RTSP; RTMP                                                                                                                                        |
| Remote Connection    | ≤ 7                                                                                                                                                                                                  |
| User / Host          | Up to 32 users. 4 user levels                                                                                                                                                                        |
| Client               | Golden Eye VMS                                                                                                                                                                                       |
| Web                  | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+                                                                                                                                                     |

### Interface

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| Communication Interface | 1*RJ-45 (10/100 Base-T)                                     |
| On-board Storage        | Built-in Micro SD card slot, up to 512 GB                   |
| Audio I/O               | 1*Input Impedance 1kΩ, 2.0~2.4Vp-p; 1*Output Impedance 600Ω |
| Alarm I/O               | 1*Switching; 1*Switching, Voltage≤DC24V, Current≤1A         |
| Reset Button            | Yes                                                         |

### General

|                       |                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Client Language   | 19 languages<br>Simple Chinese/English/Traditional Chinese/Spanish/Italian/ Korean/Turkish/Russian/Thai/ Polish/<br>French/Dutch/ Hebrew/Vietnamese/Arabic/German/ Ukrainian /Portuguese/Albanian |
| Operating Temperature | -30°C~65°C (-22°F~149°F)                                                                                                                                                                          |
| Operating Humidity    | ≤95%RH                                                                                                                                                                                            |
| Storage Temperature   | -30°C~65°C (-22°F~149°F)                                                                                                                                                                          |
| Storage Humidity      | 10%~95%RH (non-condensing)                                                                                                                                                                        |
| Power Supply          | DC12V±10%; PoE: IEEE 802.3at                                                                                                                                                                      |
| Power Consumption     | 9W (IR OFF); 22W (IR ON)                                                                                                                                                                          |
| Protection            | Surge 4000V; ESD6000V; IP66                                                                                                                                                                       |
| Material              | Metal                                                                                                                                                                                             |
| Boundary Dimensions   | 161mm(D)x276mm(H)                                                                                                                                                                                 |
| Package Dimensions    | 260(L)260(W)465(H)mm                                                                                                                                                                              |
| Gross Weight          | 5.1 Kg                                                                                                                                                                                            |
| Net Weight            | 3 Kg                                                                                                                                                                                              |

**\*Design and specifications are subject to change for product improvements without prior notice\***