

## 4MP IR Smart Dual Light Network Dome Camera



- 4MP 1/2.7" CMOS Image Sensor
- Output Max. 4MP: 2560\*1440@25/30fps, H.265+, H.264+
- 2.8mm / 3.6mm / 6.0mm Fixed Focal Lens
- IR Light: Max. 30M, Warm Light: Max. 20M
- DC12 V / PoE, IP67 Protection
- Perimeter Protection: Intrusion, Tripwire (Support the classification & Detection of Human, Vehicle & Non-Motor).
- Abnormality Detection: Smart Motion Detection

| Model No. | <b>CB-ED402P</b> |
|-----------|------------------|
|-----------|------------------|

### Camera

|                             |  |
|-----------------------------|--|
| Image Sensor                | 1/2.7" Progressive CMOS Image Sensor                               |
| Max. Resolution             | 4MP, 2560(H)*1440(V)   |
| RAM & Flash                 | 256MB RAM / 128MB ROM  |
| Minimum Illumination        | 0.006Lux(Color), 0.0006Lux (B/W), 0Lux (IR on)                     |
| Shutter Speed               | 1/3 s to 1/100, 000 s  |
| Day / Night                 | Auto, Dual IR-Cut Filter, D/N Sensitive Switch / Mixed Mode Switch |
| Illumination Distance Range | IR Light: Max. 30M, Warm Light: Max. 20M                           |
| Illuminator Control         | Auto / Manual  |
| Smart IR                    | Supported  |
| S/N Ratio                   | ≥ 56dB   |
| Angle Adjustment            | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°               |

### Lens

|                      |  |
|----------------------|--|
| Lens                 | 2.8mm / 3.6mm / 6.0mm Fixed Focal Lens |
| Max. Aperture Ratio  | F No. 1.2                              |
| Min. Object Distance | 2M                                     |
| Lens Mount           | M12                                    |
| Max. Aperture        | F1.2                                   |
| Iris Type            | Auto Iris                              |

### Focal Length & FOV

| Lens              | 2.8mm | 3.6mm | 6.0mm |
|-------------------|-------|-------|-------|
| Angle of View (H) | 111°  | 90°   | 54°   |
| Angle of View (V) | 59°   | 48°   | 29°   |
| Angle of View (O) | 134°  | 108°  | 63°   |

### DORI

| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
|---------------|-----------|------------|-------------|---------------|--------------|
|               | 2.8mm     | 44.1       | 17.7        | 8.8           | 4.4          |
|               | 3.6mm     | 58.9       | 23.6        | 11.8          | 5.9          |

|                             | 6.0mm  | 82.8 | 33.1 | 16.6 | 8.3 |
|-----------------------------|--|------|------|------|-----|
| <b>Intelligence</b>         |  |      |      |      |     |
| Face Detection              | N/A  |      |      |      |     |
| Smart Motion Detection      | Supported  |      |      |      |     |
| Perimeter Protection        | Intrusion, Tripwire (support the classification of Human and Vehicle & Non-Motor)                    |      |      |      |     |
| Object Detection            | N/A  |      |      |      |     |
| People Counting             | N/A  |      |      |      |     |
| Heat Map                    | N/A  |      |      |      |     |
| AI Search                   | Work together with NVR   |      |      |      |     |
| <b>Video</b>                |  |      |      |      |     |
| Max Resolution              | 4MP: 2560(H)*1440(V)@25/30fps  |      |      |      |     |
| Stream Capability           | 3 Streams  |      |      |      |     |
| Video Frame Rate            | Main Stream: 4MP@1fps~25/30fps,<br>Sub Stream: D1@1fps~25/30fps,<br>Third Stream: 720P@1fps~25/30fps |      |      |      |     |
| Video Compression           | H.265, H.264H, H.264M, H.264B  |      |      |      |     |
| Smart Compression           | H.265+, H.264H+, H.264M+, H.264B+,   |      |      |      |     |
| Bit Rate Control            | CBR / VBR  |      |      |      |     |
| Video Bit Rate              | H.265: 3 Kbps~20480 Kbps / H.264: 3 Kbps~20480 Kbps  |      |      |      |     |
| U-code                      | Supported  |      |      |      |     |
| Scalable Video Coding (SVC) | H.265 and H.264 Encoding (H.265+ (Ultra H.265)/H.265/H.264+/H.264/MJPEG)                             |      |      |      |     |
| OSD                         | Minimum 4 OSDs   |      |      |      |     |
| Day/Night                   | Color / B/W  |      |      |      |     |
| BLC                         | BLC Supported  |      |      |      |     |
| HLC                         | HLC Supported  |      |      |      |     |
| FLC                         | FLC Supported  |      |      |      |     |
| WDR                         | Digital WDR ≥ 120dB  |      |      |      |     |
| White Balance               | Auto / Lock White Balance / Fluorescent Lamp / Filament Lamp / Fluorescent Lamp / HM                 |      |      |      |     |
| Gain Control                | Auto / Manual  |      |      |      |     |
| Noise Reduction             | 3D NR (Auto / Manual)  |      |      |      |     |
| Motion Detection            | OFF/ON (4 Areas, Rectangular)  |      |      |      |     |
| Image Rotation              | Normal / Vertical / Horizontal / 0° / 90° / 180°   |      |      |      |     |
| Mirror                      | Supported  |      |      |      |     |
| Privacy Mask                | Up to 4 Areas (programmable polygon privacy masks)   |      |      |      |     |
| <b>Audio</b>                |  |      |      |      |     |
| Audio Encoding              | N/A  |      |      |      |     |
| Audio Bite Rate             | N/A  |      |      |      |     |
| Reduce Echo                 | N/A  |      |      |      |     |
| Noise Filtering             | N/A  |      |      |      |     |
| Built-in MIC                | N/A  |      |      |      |     |
| Built-in Speaker            | N/A  |      |      |      |     |
| Two-way Audio               | N/A  |      |      |      |     |

|                           |  |
|---------------------------|--|
| Other Audio Function      | N/A  |
| <b>Alarm</b>              |  |
| Alarm Event               | Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  |
| Linkage                   | FTP / E-mail, Notify Surveillance Center, Trigger Recording, Trigger Capture   |
| Snapshot                  | Support JPEG Format  |
| Security Features         | Password   |
| OSD                       | Channel Name, Date & Time, Image Overlay   |
| Storage                   | Support FTP Storage  |
| <b>Network</b>            |  |
| LAN Ports                 | RJ45*1, 10M /100M Base-T   |
| Network Protocol          | DHCP, DNS, DDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, ONVIF, P2P, PPPOE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UDP, UPnP, 802.1X |
| Protocol                  | ONVIF / CGI / P2P  |
| Simultaneous Live View    | Up to 16 channels  |
| API                       | Open Network Video Interface Profile S, G, T, SDK  |
| Video Management Software | IE / Web / PC Client Software / App  |
| Mobile Client             | iOS, Android   |
| Web Browser               | Plug-in required live view: IE 10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+      |
| Smooth Streaming          | Yes  |
| <b>Interface</b>          |  |
| Storage                   | N/A  |
| <b>General Parameter</b>  |  |
| Case                      | Metal for Indoor & Outdoor   |
| Protection Level          | IP67   |
| Temp. / Humidity          | -30°C to +60°C (-22°F to +140°F)/Less than 95% RH  |
| Storage Conditions        | -40°C to +60°C (-40°F to +140°F)   |
| Power Consumption         | Max. 3W  |
| Power Supply              | DC12V 2A / POE (IEEE802.3af)   |
| Lightning Protection      | Power, Network, POE all Lightning Protection, Rating Surge Voltage: 6KV(10/700μs)  |
| Dimension / Weight        | 110(L)*97(H)mm / 0.5KG   |
| <b>Approvals</b>          |  |
| Certification             | CE / FCC / RoHS  |
| ISO                       | ISO9001  |