



## Description

This product is a 4MP professional network HD infrared dome camera with 23x optical zoom. It integrates a high-performance low-light CMOS sensor and supports H.265+/H.265/H.264 encoding, providing high-definition video surveillance. Equipped with eight 850nm infrared fill lights, it can achieve a range of up to 150 meters, ensuring clear imaging in complex environments. It supports automatic tracking of pedestrians, motor vehicles, and non-motor vehicles, facial detection, perimeter defense for cross-border detection, zone intrusion, entry, and exit, and intelligent functions such as motion, occlusion, and sound detection. It is widely applicable to road monitoring, warehouses, underground parking lots, industrial parks, and other locations, providing a 24/7 intelligent security solution.

## Features

- \*Adopting 4MP 1/2.7" low-light CMOS sensor, the image is clear and detailed.
- \*ICR function, supports automatic/manual switching mode.
- \*Supports audio input and audio output interfaces.
- \*Supports automatic/manual focus and automatic/manual shutter to adapt to different monitoring environments.
- \*Supports adjustable brightness, contrast, saturation and sharpness.
- \*Supports backlight compensation, strong light suppression and face detection.
- \*Supports normal image mode and image stabilization.
- \*Supports horizontal/vertical image mirroring.
- \*Horizontal rotation range: 0°-360°, vertical rotation range: -10°-90° (automatic flip, vertical 180-degree rotation).
- \*Horizontal rotation speed: 0.1°~220°/s; vertical rotation speed: 0.1°~180°/s.
- \*Supports infrared fill light, with a maximum fill light distance of 150 meters.
- \*Supports 1024 preset positions to store and edit.
- \*23x optical zoom, 5.2~114.4mm focal length continuous zoom lens.
- \*H.265+/H.265/H.264 video compression technology.
- \*Multi-browser access (IE, Chrome, Firefox, Safari).
- \*Supports information overlay (such as title, resolution, bitrate, time, date information, etc., and the title content can be separated into multiple lines).
- \*Supports intelligent deep perimeter and perimeter deployment.
- \*Supports intelligent behavior analysis, scene detection and target detection.
- \*Supports people counting and automatic tracking.
- \*Supports local capture, video recording and electronic magnification.
- \*Supports one-key cruise and pan-tilt monitoring.
- \*Supports docking with NVR platform.
- \*Supports standard Onvif and GB/T 28181 protocols.



### Specification

|                                   |                                                                                                                                                                                                                                                                                                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor type                       | 4MP 1/2.7" low-light CMOS sensor                                                                                                                                                                                                                                                                      |
| Minimum illumination              | Color: 0.003 Lux @ (F1.65, AGC ON); Black and white: 0.002 Lux @ (F1.65, AGC ON)                                                                                                                                                                                                                      |
| Shutter                           | Automatic/manual, shutter range: 1~1/100000s                                                                                                                                                                                                                                                          |
| Lens type                         | Integrated continuous zoom lens                                                                                                                                                                                                                                                                       |
| Day and night mode                | Support IR-CUT                                                                                                                                                                                                                                                                                        |
| Wide dynamic range                | ≤120dB                                                                                                                                                                                                                                                                                                |
| Lens focal length                 | 5.2 ~ 114.4mm                                                                                                                                                                                                                                                                                         |
| Lens aperture                     | F1.6 (W) ~ 3.6 (T)                                                                                                                                                                                                                                                                                    |
| Lens horizontal field of view     | 52.40°(W)~2.98°(T)                                                                                                                                                                                                                                                                                    |
| Lens vertical field of view       | 30.94°(W)~1.68°(T)                                                                                                                                                                                                                                                                                    |
| Maximum image size                | Main stream: 2688*1520@30fps, 1920x1080; 1280x720@30fps, Sub-stream: D1; VGA; 640x360@30fps                                                                                                                                                                                                           |
| Image frame rate                  | PAL/NTSC mode: 2688*1520@30fps                                                                                                                                                                                                                                                                        |
| Image settings                    | Saturation, brightness, and contrast are adjustable through the client or browser                                                                                                                                                                                                                     |
| Audio input and output interface  | Audio connection, 1 input, 1 output                                                                                                                                                                                                                                                                   |
| Alarm interface                   | 1 alarm input, 1 alarm output                                                                                                                                                                                                                                                                         |
| Reset interface                   | 1 hard reset button interface                                                                                                                                                                                                                                                                         |
| Network interface                 | 110/100Mbps RJ45 port                                                                                                                                                                                                                                                                                 |
| Power interface                   | 5.5mm*2.1mm standard DC input port                                                                                                                                                                                                                                                                    |
| Compression standards             | H.265+, H.265, H.264, MJPEG video encoding compression                                                                                                                                                                                                                                                |
| Audio compression standards       | G711A, G711U, AAC-LC                                                                                                                                                                                                                                                                                  |
| Storage function                  | Network storage, cloud storage, NVR                                                                                                                                                                                                                                                                   |
| Intelligent alarm                 | Motion detection, video loss, network disconnection, IP address conflict                                                                                                                                                                                                                              |
| Supported agreement               | L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP, 802.1X, HTTPS, RTCP, RTMP, etc.                                                                                                                                                            |
| Compatibility                     | ONVIF, API, GA/T 1400, GB/T 28181                                                                                                                                                                                                                                                                     |
| Anomaly detection                 | Motion detection, occlusion detection, sound detection                                                                                                                                                                                                                                                |
| Perimeter defense                 | Supports cross-border detection, area intrusion, entry into area, and exit from area;<br>supports classification detection, capture, and deployment of motor vehicles, non-motor vehicles, and pedestrians                                                                                            |
| Intelligent recognition           | Face Detection                                                                                                                                                                                                                                                                                        |
| Automatic tracking                | Supports classified tracking of motor vehicles, non-motor vehicles, and pedestrians in the picture,<br>and automatically returns to the initial position after the preset tracking time is reached                                                                                                    |
| People counting                   | Crowd counting: supports counting of total number of people, number of people entering, number of people leaving, supports three-level alarm for number of people staying, and supports clearing the number of people counted; People density detection: support three-level alarm for people density |
| PTZ rotation speed                | Horizontal (0.1° ~ 220°/s), vertical (0.1° ~ 180°/s)                                                                                                                                                                                                                                                  |
| Pan/tilt rotation angle           | Horizontal 360°, vertical -10° ~ 90° (auto flip, vertical 180 degree rotation)                                                                                                                                                                                                                        |
| Preset position                   | 1024 preset positions, editable                                                                                                                                                                                                                                                                       |
| Automatic flip                    | Vertical 180-degree rotation                                                                                                                                                                                                                                                                          |
| PTZ scanning                      | Support left and right scanning, pattern scanning, and cruise                                                                                                                                                                                                                                         |
| Idle auto run                     | Left and right scan/pattern scan/cruise/preset position                                                                                                                                                                                                                                               |
| Automatic operation upon power on | Left and right scan/pattern scan/cruise/preset position                                                                                                                                                                                                                                               |
| Operating temperature             | -40°C ~ +60°C                                                                                                                                                                                                                                                                                         |
| Operating humidity                | 10%-90% RH                                                                                                                                                                                                                                                                                            |
| Power supply                      | DC12V/3A, supports POE+ standard (IEEE802.3at 30W)                                                                                                                                                                                                                                                    |
| Safety protection                 | Static electricity protection, overload protection, instantaneous high voltage protection                                                                                                                                                                                                             |
| Protection level                  | Ip66                                                                                                                                                                                                                                                                                                  |
| Infrared fill light               | 850nm infrared lights, maximum distance 150 meters; Angle: automatic adjustment (angle changes with lens zoom)                                                                                                                                                                                        |
| Power consumption                 | MAX 9W/26W (infrared light on)                                                                                                                                                                                                                                                                        |
| Material                          | Aluminum alloy + ABS engineering plastics                                                                                                                                                                                                                                                             |
| Weight                            | Gross weight: about 5kg                                                                                                                                                                                                                                                                               |
| Product size                      | Φ185×291mm                                                                                                                                                                                                                                                                                            |
| Packing size                      | 235*235*460mm                                                                                                                                                                                                                                                                                         |
| Outer box size                    | 00*480*260mm (2pcs/Carton)                                                                                                                                                                                                                                                                            |