

## ST-IP2IRPTZHZ

### 2MP 32× Network IR Speed Dome Camera

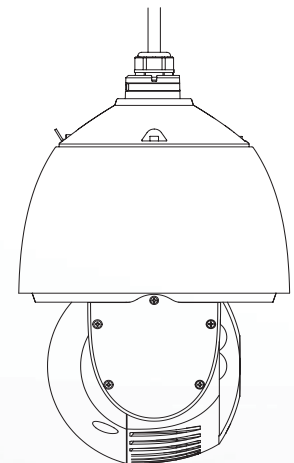
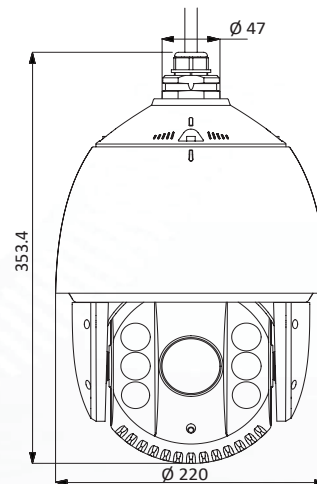


This High Definition IP Camera is the solution for wide area video surveillance coverage with the ability to rotate 360 degrees, commonly installed in airports, malls, parking lots, hotels, warehouses, and more. The 32x optical zoom (4.8 mm to 153 mm) varifocal lens gives the ability to zoom in on an object from a distance giving a clear picture. It is IP66 weather rated, ONVIF compatible, has Wide Dynamic Range, built-in LEDs and IR range up to 492 feet. 24 VAC & PoE (802.3at), 24VAC power supply included.

#### Key Features

- 1/2.8" progressive scan CMOS
- H.265+/H.265 video compression
- Up to 1920 × 1080@60fps resolution
- 32× optical zoom, 16× digital zoom
- Up to 492' IR distance

#### Dimensions



Unit:mm



#### Accessories (sold separately)



| Pole Mount |            | Corner Mount |            | Wall Mount |           | Ceiling Mount |           | Junction Box |            | Controller |
|------------|------------|--------------|------------|------------|-----------|---------------|-----------|--------------|------------|------------|
| Long       | ST-PTZPMPL | Long         | ST-PTZCRML | Long       | ST-PTZWML | Long          | ST-PTZCML | With         | ST-PTZJPBW | ST-USB-KB  |
| Short      | ST-PTZPMPS | Short        | ST-PTZCRMS | Short      | ST-PTZWMS | Short         | ST-PTZCMS | Mount        |            |            |

## ST-IP2IRPTZHZ 2MP 32× Network IR Speed Dome Camera

| Camera Module     |                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| Image Sensor      | 1/2.8" progressive scan CMOS                                                                                             |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC (Automatic Gain Control) ON)<br>B/W: 0.001Lux @ (F1.6, AGC ON)<br>0 Lux with IR (Infrared) |
| White Balance     | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp                                |
| Gain              | Auto/Manual                                                                                                              |
| Shutter Time      | 50Hz: 1/1 s to 1/30,000 s<br>60Hz: 1/1 s to 1/30,000 s                                                                   |
| Day & Night       | IR Cut Filter                                                                                                            |
| Digital Zoom      | 16×                                                                                                                      |
| Privacy Mask      | 24 programmable privacy masks                                                                                            |
| Focus Mode        | Auto/Semi-automatic/Manual                                                                                               |
| WDR               | 120 dB WDR                                                                                                               |

| Lens             |                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Focal Length     | 4.8 mm to 153 mm, 32× optical zoom                                                                                                                                          |
| Zoom Speed       | Approx. 5.6 s (optical lens, wide to tele)<br>Horizontal: 55.6° to 2.04° (wide to tele)<br>Vertical: 32.4° to 1.14° (wide to tele)<br>Diagonal: 63° to 2.34° (wide to tele) |
| Field of View    |                                                                                                                                                                             |
| Working Distance | 10 mm to 1500 mm (wide to tele)                                                                                                                                             |
| Aperture Range   | F1.2 to F4.4                                                                                                                                                                |

| IR          |                          |
|-------------|--------------------------|
| IR Distance | 150 m (492 ft), Smart IR |

| PTZ                   |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Movement Range (Pan)  | 360° endless                                                                                                                |
| Pan Speed             | Configurable, from 0.1°/s to 160°/s<br>Preset speed: 240°/s                                                                 |
| Movement Range (Tilt) | From -15° to 90° (auto-flip)                                                                                                |
| Tilt Speed            | Configurable, from 0.1°/s to 120°/s<br>Preset Speed: 200°/s                                                                 |
| Proportional Zoom     | Supported                                                                                                                   |
| Preset                | 300                                                                                                                         |
| Patrol Scan           | 8 patrols, up to 32 presets for each patrol                                                                                 |
| Pattern Scan          | 4 pattern scans<br>Record time over 10 minutes for each scan                                                                |
| Park Action           | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan                                    |
| 3D Positioning        | Supported                                                                                                                   |
| PTZ Position Display  | Supported                                                                                                                   |
| Preset Freezing       | Supported                                                                                                                   |
| Scheduled Task        | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output |

| Image             |                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. Resolution   | 1920 × 1080                                                                                                                                                                          |
| Main Stream       | 50Hz: 25fps, 50fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps, 60fps (1920 × 1080, 1280 × 960, 1280 × 720)                                                                 |
| Sub-Stream        | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)                                                                                       |
| Third Stream      | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)             |
| Image Enhancement | HLC (Highlight Compensation), BLC (Backlight Compensation), 3D DNR (Digital Noise Reduction), Digital Defog, EIS (Electronic Image Stabilization), Regional Exposure, Regional Focus |

| Compression Standard |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Video Compression    | Main Stream: H.265+/H.265/H.264+/H.264<br>Sub-Stream: H.265/H.264/MJPEG<br>Third Stream: H.265/H.264/MJPEG<br>SVC Supported |
| Video Bitrate        | 32 Kbps to 16384 Kbps                                                                                                       |
| Audio Compression    | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM                                                                                 |
| Audio Bitrate        | G.711alaw/G.711ulaw: 64 Kbps<br>G.722.1/G.726: 16 Kbps<br>MP212/PCM: 32Kbps/64 Kbps/128 Kbps                                |

| Smart Features |                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Events   | Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception                                                                                         |
| Smart Events   | Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection |
| Smart Record   | ANR (Automatic Network Replenishment), Dual-VCA (Video Content Analysis)                                                                                                  |
| ROI            | Main stream, sub-stream, and third stream respectively support four fixed areas.                                                                                          |

| Network                |                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Storage        | Built-in memory card slot, supports Micro SD/SDHC/SDXC, up to 256 GB; NAS (Network Attached Storage) (NPS, SMB/ CIFS), ANR (Automatic Network Replenishment) |
| Alarm Linkage          | Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input                          |
| Protocols              | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE                                  |
| API                    | Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform                                                         |
| Simultaneous Live View | Up to 20 channels                                                                                                                                            |
| User/Host              | Up to 32 users<br>3 levels: Administrator, Operator and User                                                                                                 |
| Security Measures      | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering    |
| Client                 | STGO2, CMS                                                                                                                                                   |
| Web Browser            | IE 8 to 11, Chrome 31.0 to 44 via IE Tab                                                                                                                     |

| Interface         |                                           |
|-------------------|-------------------------------------------|
| Alarm Interface   | 2-ch alarm input and 1-ch alarm output    |
| Audio Interface   | 1-ch audio input and 1-ch audio output    |
| Network Interface | 1 RJ45 10 M/100 M Ethernet, PoE (802.3at) |

| General             |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Power               | 24 VAC included and PoE (802.3at)<br>Max.: 40 W (Max. 14 W for IR)         |
| Working Temperature | -30°C to 65°C (-22°F to 149°F)                                             |
| Working Humidity    | ≤ 90%                                                                      |
| Protection Level    | IP66 Standard, TVS 4000V Surge Protection and Voltage Transient Protection |
| Material            | ADC 12, PC, PC+10%GF                                                       |
| Dimensions          | Φ 220 mm × 353.4 mm (Φ 8.66" × 13.91")                                     |
| Weight              | Approx. 4.5 kg (9.92 lb)                                                   |