33X Starlight IR Network PTZ Dome Camera

IV-IPPTZ33X2MP-LLC

Key Features

Optics

- 33X Optical Zoom
- Starlight illumination
- Fifth-generation infrared technology, more than 150m (492ft) IR distance
- IR anti-reflection window to increase the infrared transmittance
- Optical glass window with higher light transmittance
- Smart IR
- EIS (Electronic Image Stabilization)

Compression

- Ultra 265, H.265, H.264, MJPEG
- Triple streams
- Customized OSD
Network

- ONVIF Conformance

Structure

- Intelligent temperature control technology
- More effective heat dissipation system
- 6KV surge protection designed for network interface
- IP66

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>IV-IPPTZ33X2MP-LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera</strong></td>
<td></td>
</tr>
<tr>
<td>Sensor</td>
<td>1/2.8&quot;, 2.0 megapixel, progressive scan, CMOS</td>
</tr>
<tr>
<td>Lens</td>
<td>4.5 ~ 148.5mm, AF automatic focusing and motorized zoom lens</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>16</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>33</td>
</tr>
<tr>
<td>DORI Distance</td>
<td></td>
</tr>
<tr>
<td>Lens (mm)</td>
<td>Detect (m)</td>
</tr>
<tr>
<td>Angle of View (V)</td>
<td>4.5</td>
</tr>
<tr>
<td>Angle of View (O)</td>
<td>148.5</td>
</tr>
<tr>
<td>Angle of View (H)</td>
<td>76.8° ~ 2.1°</td>
</tr>
<tr>
<td>Angle of View (O)</td>
<td>38.4° ~ 1.2°</td>
</tr>
<tr>
<td>Angle of View (V)</td>
<td>94.46° ~ 2.48°</td>
</tr>
<tr>
<td>Shutter</td>
<td>Auto/Manual, shutter time: 1 ~ 1/100000s</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>Colour: 0.001Lux (F1.5, AGC ON)</td>
</tr>
<tr>
<td>Iris</td>
<td>F1.5 ~ F4.0</td>
</tr>
<tr>
<td>Day/Night</td>
<td>IR-cut filter with auto switch (ICR)</td>
</tr>
<tr>
<td>Digital noise reduction</td>
<td>2D/3D DNR</td>
</tr>
<tr>
<td>S/N</td>
<td>&gt;55 dB</td>
</tr>
<tr>
<td>IR Range</td>
<td>UP to 150m (492ft)</td>
</tr>
<tr>
<td>Defog</td>
<td>Digital Defog</td>
</tr>
<tr>
<td>WDR</td>
<td>120dB</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td></td>
</tr>
<tr>
<td>Video Compression</td>
<td>Ultra 265, H.265, H.264, MJPEG</td>
</tr>
<tr>
<td>H.264 code profile</td>
<td>Baseline profile, Main Profile, High Profile</td>
</tr>
</tbody>
</table>
### Frame Rate
- **Main Stream:** 2MP (1920*1080), Max 30fps;
- **Sub Stream:** 2MP (1920*1080), Max 30fps;
- **Third Stream:** D1 (720*576), Max 30fps

### HLC
Supported

### BLC
Supported

### EIS
Supported

### OSD
Up to 8 OSDs

### Privacy Mask
Up to 24 areas

### ROI
Up to 8 areas

### Motion Detection
Up to 4 areas

### Smart
#### General Function
Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication

### Audio
#### Audio Compression
G.711

#### Two-way Audio
Supported

#### Suppression
Supported

#### Sampling Rate
8KHZ

### Storage
#### Edge Storage
Micro SD, up to 256GB

#### Network Storage
ANR

### Network
#### Protocols
IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, SSL, QoS

#### Compatible Integration
ONVIF (Profile S, Profile G, Profile T), API

### Pan & Tilt
- **Pan Range:** 360°
- **Pan Speed:** 0.1°/s ~ 300°/s
  - Preset speed: 200°/s
- **Tilt Range:** -15° ~ 90° (auto reverse)
- **Tilt Speed:** 0.1° ~ 80°/s
  - Preset speed: 80°/s

#### Number of Presets
1024

#### Patrol
Preset patrol, route patrol, recorded patrol

#### Home Position
Supported

### Interface
- **Audio I/O**
  - 1 Input: impedance 1kΩ±10%; amplitude 2V [p-p]
  - 1 Output: impedance 600Ω; amplitude 2V [p-p]
- **Alarm I/O**
  - 2/1
- **Network**
  - 1 RJ45 10M/100M Base-TX Ethernet

### General
- **Power**
  - DC 12V±25%
  - Power consumption: 16 ~ 30W
- **Dimensions (Ø x H)**
  - 220 × 369mm (Ø8.7” × 14.5”)
- **Weight**
  - 3kg (6.6lb)
### Working Environment
-40°C ~ 65°C (-40°F ~ 149°F), Humidity: ≤95% RH (non-condensing)

### Ingress Protection
IP66

### Reset Button
Supported

### Dimensions

![Dimension Diagram]