

## LXPTZIP4C84WI-X25IR Pro-X 4 MP PTZ with 25x Optical Zoom & 2 x 4 MP Panoramic IP Camera with X-Deterrence



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## Key Features

- Panoramic Sensor: 180-degree, wide-angle spliced images  
PTZ Sensor: 1/2.8" 4-Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Min. Illumination: 0.005 Lux @ f 1.64; 0 Lux with IR LED on
- Built-in IR LED, Matrix IR LED up to 328 ft
- H.265 / H.264; flexible coding; smart codec
- Auto tracking and PFA technology
- MD 2.0 human & vehicle classification
- Smart Perimeter Protection via AI algorithm
- Built-in MicroSD slot for cards up to 512 GB
- 12V DC / PoE+ power supplies
- IP66

## Specifications

### Camera

|                            |                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor               | Panoramic: 1/2.7" CMOS; PTZ: 1/2.8" CMOS                                                                                                                                                                                                   |
| Max. Resolution            | Panoramic: 4096 x 1860; PTZ: 2560 x 1440                                                                                                                                                                                                   |
| Min. Illumination          | Panoramic:<br>0.005 Lux @ f 1.4 (Color, 30 IRE);<br>0.0005 Lux @ f 1.4 (B&W, 30 IRE);<br>0 Lux (supplemental light on)<br>PTZ:<br>0.005 Lux @ f 1.6 (Color, 30 IRE);<br>0.0005 Lux @ f 1.6 (B&W, 30 IRE);<br>0 Lux (supplemental light on) |
| Shutter Speed              | Electronic 1/1 - 1/30,000 sec.                                                                                                                                                                                                             |
| S/N Ratio                  | > 55 dB                                                                                                                                                                                                                                    |
| Noise Reduction            | 2D NR, 3D NR                                                                                                                                                                                                                               |
| Wide Dynamic Range         | 120 dB                                                                                                                                                                                                                                     |
| Day & Night                | Auto (ICR) / Color / B&W                                                                                                                                                                                                                   |
| Zoom                       | 25x optical                                                                                                                                                                                                                                |
| Focal Length               | Panoramic: 2.8 mm; PTZ: 5 mm–125 mm                                                                                                                                                                                                        |
| Aperture                   | Panoramic: f 1.4; PTZ: f 1.6 - f 3.6                                                                                                                                                                                                       |
| Field of View              | Panoramic: Hor.: 180°; Vert.: 86°   PTZ: Hor: 51.9 – 3.0°; Vert: 39.7 – 2.2°; Diag: 63.1 – 3.7°                                                                                                                                            |
| Close Focus Range          | Panoramic: 1.97 ft (0.6 m)   PTZ: 0.33 – 1.64" (0.1 - 0.5 m)                                                                                                                                                                               |
| DORI Ranges                | D: 8,202.10 ft (2,500 m), O: 3,239.83 ft (987.5 m), R: 1,640.42 ft (500 m), I: 820.21 ft (250 m)                                                                                                                                           |
| Supplemental Lighting      | Panoramic: 2 x IR lights; 2 x White lights   PTZ: 2 IR lights; 2 x Warm white lights                                                                                                                                                       |
| Supplemental Light Range   | Panoramic:<br>98.43 ft (30 m) IR<br>98.43 ft (30 m) white light<br>PTZ:<br>328.08 ft (100 m) IR<br>131.23 ft (40 m) white light                                                                                                            |
| Supplemental Light Control | Panoramic:<br>Manual; Auto; Off<br>PTZ:<br>Zoom Priority; Manual; Auto; Off                                                                                                                                                                |
| Control Speed              | Manual                                                                                                                                                                                                                                     |
| Power-off Memory           | Yes                                                                                                                                                                                                                                        |

### Video

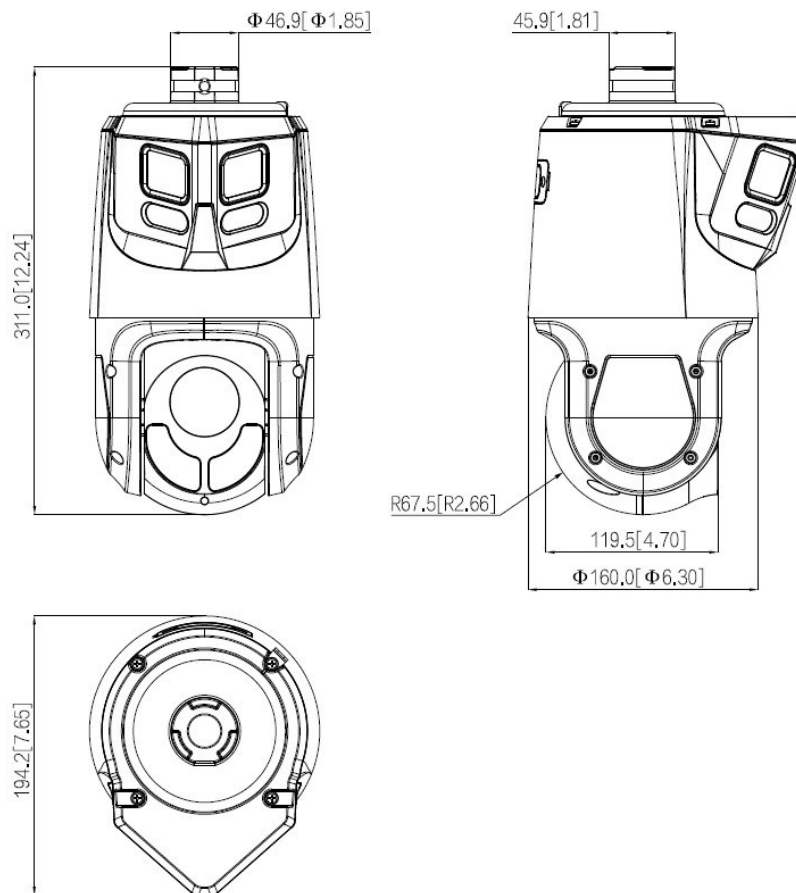
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression | Panoramic: H.265; H.264; MJPEG (Sub Stream 1)<br>PTZ: H.265; H.264; MJPEG (Sub Stream 1)                                                                                                                                                                                                                                                                                                                        |
| Smart Codec       | Supported                                                                                                                                                                                                                                                                                                                                                                                                       |
| Resolution        | Panoramic: 8 MP (4096 x 1860); 2 MP (2048 x 928); 1080 (1920 x 1080); 720 (1280 x 720); 1024 x 448;<br>D1 (704 x 576 / 704 x 480); VGA (640 x 480); CIF (352 x 288 / 352 x 240)<br>PTZ: 4 MP (2560 x 1440); 3 MP (2304 x 1296); 1080 (1920 x 1080); 1.3 MP (1280 x 960); 720 (1280 x 720);<br>D1 (704 x 576 / 704 x 480); VGA (640 x 480); CIF (352 x 288 / 352 x 240)                                          |
| Video Frame Rates | Overview channel:<br>Main stream: 4096 x 1860 @ (1 - 25 / 30 fps)<br>Sub stream 1: 1024 x 448 / D1 / VGA / CIF @ (1 - 25 / 30 fps)<br>Sub stream 2: 2048 x 928 / 1080p / 1.3 MP / 720p @ (1 - 25 / 30 fps)<br>PTZ channel:<br>Main stream: 4, 3 MP / 1080p / 1.3 MP / 720p @ (1 - 25 / 30 fps)<br>Sub stream 1: D1 / VGA / CIF @ (1 - 25 / 30 fps)<br>Sub stream 2: 1080p / 1.3 MP / 720p / @ (1 - 25 / 30 fps) |

|                             |                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Stream                | 3 streams                                                                                                                                             |
| Bit Rate Control            | CBR, VBR                                                                                                                                              |
| Video Bit Rate              | Panoramic:<br>H264: 128 Kbps – 16,384 Kbps<br>H265: 51 Kbps – 13,312 Kbps<br>PTZ:<br>H264: 96 Kbps – 16,384 Kbps<br>H265: 38 Kbps – 10,240 Kbps       |
| Region of Interest (ROI)    | Supported                                                                                                                                             |
| Image Rotation              | 180°                                                                                                                                                  |
| Image Enhancement           | BLC, HLC, 3D NR                                                                                                                                       |
| Defog                       | Electronic                                                                                                                                            |
| Image Stabilization         | Electronic                                                                                                                                            |
| Privacy Mask                | Not Supported                                                                                                                                         |
| <b>PTZ</b>                  |                                                                                                                                                       |
| Range                       | Pan: 0° - 360° endless,<br>Tilt: -15° to 90°, auto-flip 180°                                                                                          |
| Pan Speed                   | Manual Control: 0.1°/s - 180°/s<br>Preset: 180°/s                                                                                                     |
| Tilt Speed                  | Manual Control: 0.1°/s - 90°/s<br>Preset: 90°/s                                                                                                       |
| Preset                      | 300                                                                                                                                                   |
| Patrol                      | 8                                                                                                                                                     |
| Pattern                     | 5                                                                                                                                                     |
| Scan                        | 5                                                                                                                                                     |
| Scheduled Tasks             | Preset, Pattern, Patrol, Scan                                                                                                                         |
| Preset Freezing             | Supported                                                                                                                                             |
| 3D Positioning              | Supported                                                                                                                                             |
| <b>Intelligent Analysis</b> |                                                                                                                                                       |
| VCA                         | Tripwire; intrusion; crossing fence detection; loitering detection; abandoned / missing object; parking detection; people gathering; linkage tracking |
| MD 2.0                      | Yes, supports alarms triggered by vehicles and humans                                                                                                 |
| Deep Learning               | Not supported                                                                                                                                         |
| Auto Tracking               | Supported                                                                                                                                             |
| <b>Audio</b>                |                                                                                                                                                       |
| Built-in Mic                | Not supported                                                                                                                                         |
| Built-in Speaker            | Supported                                                                                                                                             |
| Audio Compression           | PCM, G.711 A, G.711 Mu                                                                                                                                |
| Audio Bitrate               | Sampling rates: PCM (8,000 Hz; 16,000 Hz; 32,000 Hz) G.711 A (8,000 Hz); G.711 Mu (8,000 Hz)                                                          |

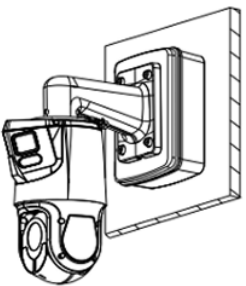
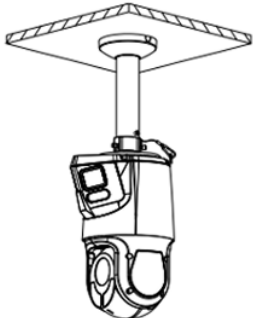
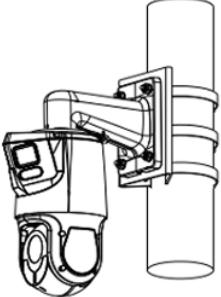
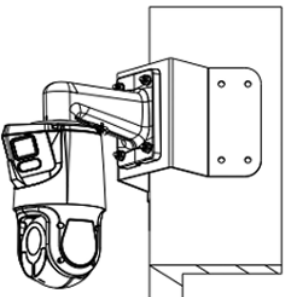
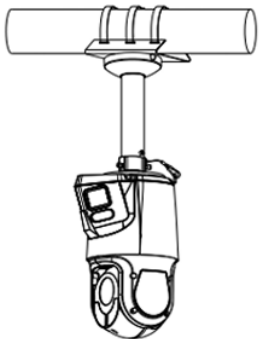
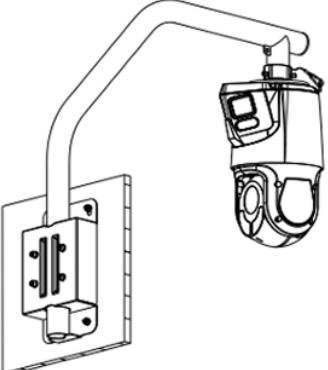
| Event Types          |                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic                | Motion / tampering, network disconnection, IP conflict, memory card state, & memory space detections                                            |
| Alarm Linkage        | Capture; recording; send email; alarm digital output; audio; warning light                                                                      |
| Network              |                                                                                                                                                 |
| Protocols            | HTTP; HTTPS; TCP/IP; IPv4; RTSP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; SSL; Qos; FTP; UPnP; SNMP; ARP; RTCP; RTP; PPPoE; RTMP; Bonjour; NFS |
| Interoperability     | ONVIF (Profile S & G & T); CGI; SDK; P2P                                                                                                        |
| Storage              | MicroSD card (512 GB); FTP / SFTP; NAS                                                                                                          |
| Web Browsers         | Web 5.0:<br>IE 9 and later<br>Chrome 41 and later<br>Firefox 52 and later<br>Safari 10 and later                                                |
| Client               | IOS; Android                                                                                                                                    |
| Interface            |                                                                                                                                                 |
| Ethernet Interface   | RJ-45 (10/100 Base-T)                                                                                                                           |
| Alarm I/O            | 2 input, 1 output                                                                                                                               |
| Audio I/O            | 1 input, 1 output                                                                                                                               |
| General              |                                                                                                                                                 |
| Power                | 12V DC / PoE+ (802.3at)                                                                                                                         |
| Power Consumption    | Max. 25 W                                                                                                                                       |
| Materials            | Metal                                                                                                                                           |
| Dimensions           | 7.65 x 6.30 x 12.24" (194.2 x 160 x 311 mm)                                                                                                     |
| Operating Conditions | -40° to 149° F (-40° to 65° C)                                                                                                                  |
| Protection Ratings   | IP66                                                                                                                                            |
| Gross Weight         | 10.14 lb (4.6 kg)                                                                                                                               |
| Net Weight           | 6.83 lb (3.1 kg)                                                                                                                                |
| Certifications       | FCC                                                                                                                                             |
| Accessory included   | CAB-W02                                                                                                                                         |

## Dimensions

mm [inch]



## Accessories

| Wall Mount                                                                          | Pandent Mount                                                                       | Pole Mount                                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| LXKWM02 + LXJB06                                                                    | LX4L04+LXPD03                                                                       | LXKWM02+LXPM02                                                                        |
|    |    |    |
| Corner Mount                                                                        | Pole Mount(Horizontal)                                                              | Parapet Mount                                                                         |
| LXKWM02 + LXCM01                                                                    | LX4L03+LX4L04+LXPM02                                                                | LX4L04+LXPM06                                                                         |
|  |  |  |

Note: Wireframe is used here to show the connection between the device and an accessory.