

# I96

## 2MP Outdoor Speed Dome with D/N, Extreme WDR, ELLS, 30x Zoom Lens

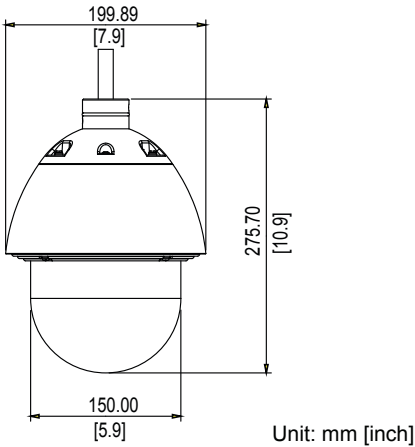


- 2 Megapixel with 1080p
- Day & Night with Extreme Low Light Sensitivity
- 30x Zoom Lens with f4.3 - 129mm / F1.6 - 5.0, DC Iris, Auto Focus
- Extreme WDR (145 dB)
- 30 fps at 1920 x 1080
- Endless Pan & Tilt
- Weatherproof (IP67) and Vandal Proof Options (IK10 or IK09)

### PHOTO INDICATION



### DIMENSION DIAGRAM



### ACCESSORY OPTIONS

| Dome Cover |  |                                  |
|------------|--|----------------------------------|
| PDCX-1005  |  | Transparent, Vandal proof (IK10) |
| PDCX-1108  |  | Smoked, Vandal proof (IK10)      |

| High PoE Injector |  |  |
|-------------------|--|--|
| PPOE-0102         |  | High PoE Injector with universal connector |

| Popular Mounting Solutions |                                     |  |
|----------------------------|-------------------------------------|--|
| Wall                       | PMAX-0312<br>PMAX-0702              |  |
| Pendant                    | PMAX-0102                           |  |
| Corner                     | PMAX-0312<br>PMAX-0702<br>PMAX-0402 |  |
| Pole                       | PMAX-0312<br>PMAX-0702<br>PMAX-0503 |  |
| NPT Standard Mounts        | PMAX-0808                           |  |

\* For more mounting solutions, please refer to Project Planner on [www.acti.com](http://www.acti.com)

## PRODUCT SPECIFICATION

### • Device

|                          |   |
|--------------------------|---|
| Product Type             | Outdoor PTZ Camera  |
| Image Sensor             | Progressive Scan CMOS   |
| Sensor Size              | 1/2.8"  |
| Effective Pixels         | 1944 (H) x 1224 (V) (2.38 MP)   |
| Day / Night              | Yes   |
| Low Light Sensitivity    | Extreme   |
| Minimum Illumination     | Color: 0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0.05 lux at F1.6 (30 IRE, 2400°K) |
| Color to B/W Switch      | ISP based switch, configurable  |
| Mechanical IR Cut Filter | Yes   |
| IR Sensitivity Range     | 700- 1100nm   |
| IR LED                   | No  |
| Electronic Shutter       | 1/5 - 1/2,000 sec (manual mode); 1/5 - 1/10,000 sec (auto mode)                 |
| TV Lines                 | 1800  |
| S/N Ratio                | 56 dB   |

### • Lens

|                          |   |
|--------------------------|---|
| Focal Length             | Zoom, f4.3 - 129mm / F1.6 - 5.0                           |
| Zoom Ratio / Speed       | 30x optical; 16x digital / 2.87 sec (1x to 30x)           |
| Zoom Application         | Camera Installation; Auto Zoom by Event; Manual Operation |
| Iris                     | DC iris   |
| Focus                    | Auto focus  |
| Horizontal Viewing Angle | 66.4° ~ 2.61°   |

### • PTZ

|                                   |  |
|-----------------------------------|--|
| Scan Panning / Tilting Speed      | 0.16° ~ 32°/s / 0.16° ~ 32°/s  |
| Manual Panning / Tilting Speed    | 1.6° ~ 40.32°/s / 0.16° ~ 20.16°/s                                   |
| Preset Panning / Tilting Speed    | 0.16° ~ 480°/s / 0.16° ~ 480°/s                                      |
| Panning Range                     | 360° Endless   |
| Tilting Range                     | -20° ~ 200°  |
| Control                           | Remote manual control; 256 preset points; 10 preset tours; Auto scan |
| Preset Panning / Tilting Accuracy | 0.265°   |
| Absolute Position                 | Yes  |
| Protocol                          | ACTi URL command, Sony VISCA, Pelco D, Pelco P                       |

### • Video

|                                |   |
|--------------------------------|---|
| Compression                    | H.264 (Baseline / Main / High profile), MJPEG   |
| Max. Frame Rate vs. Resolution | 30 fps at 1920 x 1080; 30 fps at 1280 x 720; 30 fps at 800 x 600; 30 fps at 640 x 480; 15 fps at 320 x 240  |
| Multi-Streaming                | Simultaneous dual streams based on two configurations   |
| Bit Rate                       | 28 Kbps - 6 Mbps (per stream)   |
| Bit Rate Mode                  | Constant, Variable  |
| Image Enhancement              | Extreme WDR (145 dB); White balance: automatic, hold and manual; Brightness; Contrast; Sharpness; Automatic gain control; 2D+3D digital noise reduction; Flickerless; Defogging; Digital image stabilizer |
| Privacy Mask                   | 32 configurable regions   |
| Text Overlay                   | User defined text on video  |
| Image Orientation              | Image flip and mirror   |

### • Audio

|             |  |
|-------------|--|
| Audio       | 2-way                                    |
| Compression | 8 kHz, Mono, PCM, 16 bit encoding; G.711 |
| Audio-In    | Cable without connector                  |
| Audio-Out   | Cable without connector                  |

### • Network

|                    |  |
|--------------------|--|
| Protocol & Service | TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Sony VISCA, Pelco D, Pelco P |
| Ethernet Port      | 1, Ethernet (10/100Base-T), RJ-45 connector  |
| Security           | IP address filtering; HTTPS encryption; Password protected user level; Anonymous login; IEEE 802.1X network access control                               |

### • Alarm

|                |   |
|----------------|---|
| Alarm Trigger  | Video motion detection (3 regions); External device through digital input; Sound detection  |
| Alarm Response | Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video or snapshot to FTP server; Activate external device through digital output |

### • Interface

|                |  |
|----------------|--|
| Digital Input  | 4, cable without connector                               |
| Digital Output | 2, cable without connector                               |
| Local Storage  | MicroSDHC/MicroSDXC memory card slot (card not included) |

### • General

|                            |   |
|----------------------------|---|
| Power Source / Consumption | High PoE (IEEE802.3at) / 25.44 W (built-in heater and fan on)<br>AC 24V / 31.5 W (built-in heater and fan on)   |
| Weight                     | 2500 g (5.51 lb)  |
| Dimensions (Φ x H)         | 200 mm x 276 mm (7.9" x 10.9")  |
| Environmental Casing       | Weatherproof (IP66, optional IP67); Vandal proof casing (IK10); Bundled dome cover (IK09); Optional dome cover (IK10)   |
| Mount Type                 | Pendant, Wall, Corner, Pole, NPT standard mounts  |
| Starting Temperature       | -40°C ~ 50°C (-40°F ~ 122°F) within 30mins  |
| Operating Temperature      | -40°C ~ 50°C (-40°F ~ 122°F)  |
| Operating Humidity         | 10% ~ 85% RH  |
| Bundled Accessories        | High PoE injector (for USA) or Power Adapter (for other countries)<br>CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP67, IK09 (default dome cover), IK10 (PDCX-1005 or PDCX-1108 required), NEMA 4X, ETL Listed, UL (for bundled PoE injector or power adapter) |
| Approvals                  |   |

### • Integration

|                         |   |
|-------------------------|---|
| Unified Solution        | Fully compatible with ACTi software                       |
| ISV Integration         | Software Development Kit (SDK) available; ONVIF Compliant |
| GPS Position            | Manual setting  |
| Firmware Access Browser | Microsoft Internet Explorer 11                            |