



## 4K IR PTZ CAMERA

# Quasar™ 4K IR PTZ

The FLIR Quasar™ 4K IR PTZ camera delivers crisp video quality with best-in-class low light capabilities and long-range IR illumination for exceptional performance. Designed for cybersecurity and controllable via FLIR Cloud, the Quasar 4K IR PTZ features an updated web interface for secure access. Unifying the latest PTZ technology, optics and mechanics with seamless integration for FLIR United VMS, the Quasar 4K IR PTZ is the ideal end-to-end solution for city surveillance deployments, critical infrastructure, airports and other high-security outdoor applications.

[www.flir.com/security](http://www.flir.com/security)



### SUPERIOR LONG-RANGE SURVEILLANCE

- Observe, detect and classify possible threats across wide areas with confidence
- Evidentiary 4K resolution provides crisp video with low light capabilities using 22x optical zoom
- Low and predictable bit rate without degradation in video quality, even with motion
- Improved Wide Dynamic Range, built-in IR illumination, and image stabilization



### BUILT-IN, HIGH-QUALITY CYBERSECURITY PROTECTION

- Hardened cyber security safeguards system from new developing threats
- Full remote set-up enabled with secure connectivity to the FLIR Cloud
- Enhanced web interface simplifies set-up across all FLIR security cameras



### FLIR UNITED VMS SIMPLIFIES USER EXPERIENCE FOR TRUE END-TO-END SOLUTION

- Simplified set-up offers reliable control with redundancy and failover
- Extended PTZ control functions, adaptive streaming, reduced bandwidth, and guaranteed performance
- Leveraging third-party VMS integrations (such as gun shot detection) creates a complete solution for end users

## SPECIFICATIONS

### Camera

|                            |  |
|----------------------------|--|
| Image Sensor               | 1/1.8" CMOS  |
| Maximum Resolution         | 3840x12160 (4KUHD)   |
| Scanning Mode              | Progressive  |
| Optical / Digital Zoom     | 22x / Up to 8x   |
| Focal Lengths              | 6.4 to 138.5 mm  |
| Focus Mode                 | Auto / Manual  |
| White Balance              | Auto, ATW, Manual  |
| Iris Control               | Auto   |
| AGC Control                | Auto   |
| Wide Dynamic Range         | Shutter WDR, 130db   |
| 3D Noise Reduction         | On / Off   |
| Day / Night: IR Cut Filter | Auto / Manual  |
| Minimum Illumination       | 0.04 lux (color) / 0.02 lux (BW), 0 lux with IR On.<br>Measured with DSS Off at 30 IRE |

### PTZ

|                           |   |
|---------------------------|---|
| Pan / Tilt Travel         | 360° continuous / -10° to 190°                          |
| Manual Speed              | Pan: 0.1° to 90°/s, Tilt: 0.1° to 60°/s                 |
| Horizontal Viewing Angles | 64° (Wide) to 3° (Tele)                                 |
| Presets / Preset Accuracy | 128 / Pan: 0.16° Tilt: 0.18°                            |
| Preset Speed              | 5° to 280° / sec  |
| Auto Flip                 | Mechanical / Off  |
| Proportional Pan & Tilt   | On / On (pan and tilt speed proportional to zoom ratio) |

### Electrical

|                   |  |
|-------------------|--|
| Input Voltage     | Universal PoE 60W, 12VDC, 24VAC (indoor/outdoor) |
| Power Consumption | Max 39W with heater and IR on                    |
| Power Connector   | PoE / Terminal Block                             |

### IR Illuminators

|                                  |  |
|----------------------------------|--|
| Distance   Angle of illumination | Up to 200 m (656 ft.)   6° / 30° / 90° |
| LED Type                         | High efficiency SMD                    |
| Peak Emission Wavelength (nm)    | 850                                    |

### PTZ Power Options

|       |               |  |
|-------|---------------|--|
| POE   | CP-POE-60W-US | 60W USA Power Injector   |
|       | CP-POE-60W-EU | 60W EU Power Injector  |
| 24VAC | CX-PRWR-241   | Nema 4x 24 VAC Power Supply in Weather Resistant Enclosure for 1 PTZ |

### PTZ Mounting Options

|            |   |
|------------|---|
| CX-ARMX-G3 | Wall mount bracket 1.5" NPT (m) threaded                                    |
| CX-ELBX-G3 | Wall mount bracket 1.5" NPT (m) threaded with IP68 electrical box enclosure |
| CX-GSNK-G3 | Goose-neck mount 1.5" NPT (m) threaded with IP68 electrical box enclosure   |
| CX-CRNR-G3 | 90° Exterior Angle corner adapter for Cx-xxxx-G3 mounts                     |
| CX-POLE-G3 | Pole Adapter for Cx-xxxx-G3 mounts including 2.5"– 8.5" straps              |

### Camera Ordering Information

| Type       | Series             | Camera Resolution | Lens Options         | Environmental | IR Illuminator  |
|------------|--------------------|-------------------|----------------------|---------------|-----------------|
| CP         | XX                 | XX                | X                    | X             | X               |
| Camera PTZ | 64 = Quasar Gen IV | 08 = 4K UHD       | 2 = 22x Optical Zoom | 1 = Outdoor   | I = Built in IR |

\*Excluding countries where disallowed.

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

### Alarm

|                        |  |
|------------------------|--|
| Alarm Inputs / Outputs | 4 dry contact In / 2 relay Out                                     |
| Video Compression      | Multi-Stream H.264 / MJPEG   |
| Maximum Performance    | H.264 30/25 fps @ 4K (NTSC/PAL) & H.264 30/25 fps @ VGA (NTSC/PAL) |
| Resolution Range       | Scalable from VGA to 4K  |
| Bandwidth              | Configurable between 100 Kbps and 12 Mbps                          |
| Rate Control           | CBR / VBR  |

### Audio

|                      |  |
|----------------------|--|
| Bi-Directional Audio | Full duplex, line in/line out, G.711   |
| Bandwidth            | Configurable between 16 Kbps & 64 Kbps |
| Audio Connections    | Terminal block                         |

### Network

|                   |  |
|-------------------|--|
| Network Protocols | IPv4, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, DHCP, UPnP, IGMP, ONVIF, ARP, IEEE 802.1X |
| Ethernet          | 10 / 100 Base-T auto sensing, half / full duplex (RJ45)                                    |
| Configuration     | Remote: via web access or supported VMS  |
| Firmware Upgrade  | Flash upgrade via network (1GB Flash / 2GB RAM)  |
| Supported Web     | All versions (no ActiveX required)   |
| Security          | User credentials with policy, IP attach block, TLS   |

### Physical

|                  |                                       |
|------------------|---------------------------------------|
| Enclosure Rating | IK10 Upper / IK8 Lower / IP66 Overall |
| Dimensions       | 207.43 x 300.39 mm (8.16 x 11.83 in.) |
| Unit Weight      | 3.8 Kg (8.38 lbs.)                    |

### Environmental

|                       |   |
|-----------------------|---|
| Operating Temperature | -40° to 50° C (-40° to 122° F) cold start |
| Storage Temperature   | -20° to 70° C (-4° to 158° F)             |
| Humidity              | 10% - 90% (non-condensing)                |

### Warranty & Regulatory

|               |  |
|---------------|--|
| Warranty      | According to FLIR RMA Policy and Process Notice document |
| USA           | UL, FCC Part 15 (subpart B, class A)                     |
| International | CE marked, EN 50130-4, EN61000-6-4 (Class A), RoHS       |
| MTBF (hrs)    | 348,786  |

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