



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, 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



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
- 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	3840x2160 (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. 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	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

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, protection from brute force attack, TLS

Physical

Enclosure Rating	IK10 Upper / 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	FCC Part 15 (subpart B, class A)
International	CE marked, EN 50130-4, EN61000-6-4 (Class A), RoHS, LVD

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