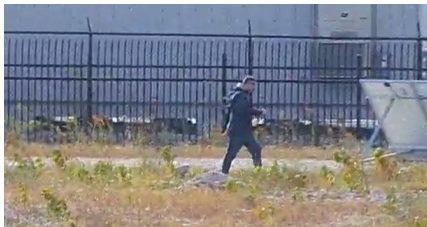**TELEDYNE FLIR**

QUASAR™ 4K IR PTZ
4K IR PTZ Camera

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.

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 (WDR), built-in IR illumination, and image stabilization

BUILT-IN, HIGH-QUALITY CYBERSECURITY PROTECTION
- Hardened cybersecurity 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

For more information visit:

1.800.561.8187
www.itm.com

information@itm.com

QUASAR 4K IR PTZ

Camera	
Image Sensor	1/1.8-in CMOS
Maximum Resolution	3840 × 2160 (4K UHD)
Scanning Mode	Progressive
Optical / Digital Zoom	22x / Up to 8x
Focal Lengths	6.4 mm to 138.5 mm
Focus Mode	Auto / Manual
White Balance	Auto, ATW, Manual
Iris Control	Auto
AGC Control	Auto
Wide Dynamic Range	Shutter WDR, 130 dB
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
High Light Compensation (HLC)	Supported
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 60 W, 12 VDC, 24 VAC (indoor/outdoor)
Power Consumption	Max 39 W 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-60 W-US	60 W USA Power Injector
	CP-POE-60 W-EU	60 W 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 in NPT (m) threaded
CX-ELBX-G3	Wall mount bracket 1.5 in NPT (m) threaded with IP68 electrical box enclosure
CX-GSNK-G3	Goose-neck mount 1.5 in 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 in– 8.5 in straps

Camera Ordering Information

Type CP	Series XX	Camera Resolution XX	Lens Options X	Environmental X	IR Illuminator 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.teledyneflir.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 Profile S, 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 (1 GB Flash / 2 GB 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 × 300.39 mm (8.16 in × 11.83 in)
Unit Weight	3.8 kg (8.38 lb)
Environmental	
Operating Temperature	-40°C to 60°C (-40°F to 140°F) cold start
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10%-90% (non-condensing)
Shock	EC 60068-2-27
Vibration	IEC 60068-2-64
Warranty & Regulatory	
Warranty	2 years warranty, according to FLIR RMA Policy and Process Notice document
USA	FCC Part 15 (subpart B, class A)
International	CE marked, EN 62368-1:2014, EN 50130-4, EN61000-6-4 (Class A), RoHS, LVD, BIS, WEEE
MTBF (hours)	353,125

For more information visit: