



1080P FHD IR PTZ CAMERA

Quasar™ 1080p IR PTZ

The FLIR Quasar™ 1080p IR PTZ camera combines the latest PTZ technologies, optics, mechanics and image quality performance. It's the perfect choice for city surveillance deployments, critical infrastructure, airports, and other high-profile security applications that require wide coverage and long range IR-illumination.

www.flir.com/security



LONG-RANGE SURVEILLANCE

Observe, detect and classify objects across wide areas in diverse lighting conditions and up to 200 meters during nighttime using built-in IR illumination.



SUPERIOR MECHANICAL DESIGN

Built for long-lasting indoor and outdoor operations, the camera's servo-feedback motors offer accurate pan-tilt positioning, with low power consumption.



END-TO-END SOLUTION WITH FLIR UNITED VMS

Adaptive streaming, reduced bandwidth, and extended PTZ controls using Control Center or the EZ client web interface create a superior user experience.

SPECIFICATIONS

Camera

Image Sensor	1/2.8" CMOS
Maximum Resolution	1920x1080 (FHD1080p)
Scanning Mode	Progressive
Optical/Digital Zoom	30x / Up to 10x
Focal Lengths	4.3 to 129 mm
Focus Mode	Auto / Manual
White Balance	Auto / Indoor / Outdoor / ATW / Manual
Iris Control	Auto / Manual
Digital Slow Shutter (DSS)	1 to 1/30 (NTSC) or 1/1.5 to 1/25 (PAL)
AGC Control	Auto / Manual
Back Light Compensation	On / Off
Wide Dynamic Range	On / Off
3D Noise Reduction	On / Off
Tamper Detection	On / Off
Elec. Image Stabilization	On / Off
Video Motion Detection	On / Off - up to 4 independent zones
Privacy Zones	On / Off - 2D zones
Day / Night: IR Cut Filter	Auto / Manual
Image Rotation	Mechanical/Off
Minimum Illumination	0.2 lux (color) / 0.005 lux (BW), 0 lux with IR On. Measured with DSS Off at 30 IRE
Signal to Noise Ratio	±50 dB

PTZ

Pan/Tilt Travel	360° continuous / -20° to 200°
Manual Speed	Pan: 0.1° to 90°/s, Tilt: 0.1° to 60°/s
Horizontal Viewing Angles	68.7° (Wide) to 2.6° (Tele)
Presets / Preset Accuracy	256 / Pan: 0.16° Tilt: 0.18°
Preset Speed	5° to 280° / sec
Seq./Auto Pan/Pattern	8 / 4 / 8
Auto Flip	Mechanical / Off
Proportional Pan & Tilt	On / Off (pan and tilt speed proportional to zoom ratio)
Power loss recovery	Yes
Home Function	Preset / Sequence / Auto Pan / Pattern

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 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

*Excluding countries where disallowed.

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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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

Alarm

Alarm Inputs/Outputs	4 dry contact In / 2 relay Out
Alarm Reaction	Preset / Sequence / Auto Pan / Pattern

Video

Compression	Multi-Stream H.264 / H.265 / MJPEG
Maximum Performance	H.264/H.265 60/50 fps @ FHD + 30/25 fps @ 720P + D1 (NTSC/PAL)
Resolution Range	Scalable from CIF to HD 1080p Analog Output 1 - composite video output BNC
Bandwidth	Configurable between 64 Kbps and 8 Mbps
Rate Control	CBR / VBR
SD Card Recording*	microSDXC up to 128GB (Class 10)

Audio

Bi-Directional Audio	Full duplex, line in/line out, G.711, G.726, AAC
Bandwidth	Configurable between 16 kbps & 64 kbps
Audio Connections	Terminal block

Network

Network Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF S/G, 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	Internet Explorer 10.0+
Security	User account with password protection and IP Filter

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	-45° to 50° C (-49° to 122° F)
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

Camera Ordering Information

Type	Series	Camera Resolution	Lens Options	Environmental	IR Illuminator
CP	XX	XX	X	X	X
Camera PTZ	63 = Quasar Gen III	02 = FHD 1080p	3 = 30x Optical Zoom	1 = Outdoor	1 = Built-in IR

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19-0582-SEC-ENT Quasar CP-6302-31-IR PTZ Datasheet



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