FLIR QUASAR™

1080p FHD Dome PTZ camera

CP-6302-30-R

CP-6302-31-P

GYRO BASED IMAGE STABILIZATION. SERVO FEEDBACK DRIVEN PRECISION PRESETS. sWDR.

The Quasar 1080p FHD PTZ camera introduces new generation image processing and optics, available in pendant and recess mount bubble dome options. With its best in class broadcast video quality and guaranteed frame rates up to 60 FPS, EIS (Electronic Image Stabilization), Servo Feedback and Shutter Wide Dynamic Range, the newest member of the Quasar family is designed to tackle the most challenging video capture environments. The FLIR Quasar FHD PTZ utilizes the latest technology to deliver one of the lowest bandwidths in the industry through its advanced H.264/H.265 motion processing technology. The perfect choice for airports, city surveillance projects, critical infrastructure, business or education campuses or any application requiring Pan/Tilt/Zoom capabilities.

Features

- 30x Optical Zoom FHD Continuous Auto-Focus Lens

- FHD 1080p @60 fps at the Lowest Bit Rate

- Multi-Stream Adaptive Streaming

- sWDR

- Gyro-Based EIS

- Servo Feedback for Better Preset Precision

- Multi-zone VMD

- Privacy Masking

- Bi-directional audio

- PoE+, 24VAC and 12VDC Power Options

- Web interface for viewing control

- Storage on the Edge

FLIR® | The World's Sixth Sense®

General 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 - 20 zones
Day / Night: IR Cut Filter	Auto / Manual
Image Rotation	Mechanical/Off
Minimum Illumination	0.02 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 /-10° to 190°
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	Pan: 5° to 400° / sec Tilt: 5° to 300°/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	802.3at PoE+ 12VDC 24 VAC
Power Consumption	Max 25.4W (full system running)
Power Connector	PoE / Terminal Block

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 Browser	Internet Explorer 10.0+
Security	User account with password protection and IP Filter

Physical

Enclosure Rating	CP-6302-31-P: IK10 / IP66
Dimensions	CP-6302-30-R: 212 x 263.6 mm (8.35 x 10.38 in.) CP-6302-31-P: 210 x 279mm with sun shield (8.27 x 10.98 in.)
Unit Weight	CP-6302-30-R: 2.6 Kg (5.73 lbs.) CP-6302-31-P: 2.9 Kg (6.39 lbs.)
Bubble	IK10 vandal resistant polycarbonate
Bubble F-Stop	Bubble transmittance 0.9 (90%)

Environmental

Operating Temperature	CP-6302-31-P: -45° to 50° C (-49° to 122° F) CP-6302-30-R: N/A
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

*Excluding countries where disallowed

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

Wall Options	CM-ARMX-31	Threaded Wall Arm Only
	CX-ARMX-1	Long Wall Arm Bracket 320 mm (12.75"), 1/4 Turn (f) lock
	CX-WLBX-0	Wall mount Bracket box enclosure includes CX-ARMX-1.
Pendant	CX-PIPE-0	Straight pipe with flange (25cm/9.8 inches)
	CX-PIPE-1	Straight pipe with flange (50cm/20 inches)
Corner	CX-CRNR-0	Corner Mount Adapter Bracket includes CX-ARMX-1
Pole	CX-POLE-0	Pole Mount Adapter Bracket includes CX-ARMX-1
	CX-PLBX-0	Pole Mount Adapter with Bracket box includes CX-ARMX-1
Adapter**	CM-F150-62	1.5" NPT Inner Threaded (f) to 1/4 Turn (m) Adapter

**All mounts will require a CM-F150-62 Adapter except for the CM-ARMX 31

Camera Ordering Information

Type	Series	Camera Resolution	Lens Option	Environmental	Add-on
CP	XX	XX	X	X	X
Camera PTZ	63 = Quasar Gen III	02 = FHD 1080p	3 = 30x Optical Zoom	0 = Indoor 1 = Outdoor	P = Pendant mount (with bubble) R = Recessed mount (with bubble)

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