



# FLIR Quasar™ Premium 1080p Pendant/Recessed PTZ

30x Zoom Camera with Edge AI



## Key Features

- Embedded Edge AI enables simplified pan-tilt-zoom tracking and video analytics rule setup with each preset
- Advanced ball-down pendant or recessed format—protected by an IK10 bubble cover—ensures this pan-tilt-zoom is suited to outdoor environments
- Full HD (1080p) video with 30x zoom optics provide high-quality, evidentiary detail as well as low-light capabilities, wide dynamic range, and frames-per-second customization

## Main Applications

- City surveillance deployments that require visible coverage of wide areas
- Critical infrastructure, airports, and other high-profile security applications where close monitoring over a wide area is challenging

## SPECIFICATIONS

Camera	
Resolution	1945 × 1097 (2 M)
Image sensor	1/2.8" CMOS
Scanning mode	Progressive
Lens type	30x zoom lens, P-Iris, Auto-Iris, f/1.6, 4.3–129 mm
Focus	Fast focus with Lidar
Digital Slow Shutter (DSS)	Default 1/4; options of 1/60, 1/30, 1/15, 1/8, 1/4, 1/2, 1/1
White balance	Auto/ATW/Manual/One Push
Automatic Gain Control (AGC)	Shutter priority
Backlight compensation	On/Off in linear mode
Shutter WDR	130 dB
Noise reduction	3D/2D/Color NR
Tamper detection	Yes
Privacy zones	Yes
Video motion detection	Yes
Day/Night mode	Yes
Mechanical IR cut filter	Yes
Signal to Noise Ratio (SNR)	±45 dB
Automatic Electronic Shutter (AES)	1/1 to 1/32,000
Sensitivity	Color: 0.1 lux; B/W: 0.002 lux
Video	
Compression	Enhanced H.265 Main Profile + Enhanced H.264 Main/High/Baseline Profile + MJPEG
Maximum performance	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth/ LBR/VBR/CBR in H.265/H.264
Resolution range	320 × 480 to 1920 × 1080 @ 30 fps
Bandwidth	Configurable between 64 Kbps and 20 Mbps

Rate Control	LBR, CBR, VBR
SD card recording	microSD/microSDHC/microSDXC size up to 1 TB; file encryption
Network	
Network protocols	IPv4/6, HTTP, HTTPS, ,UPnP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, IEEE 802.1X, SNMP, QoS, TLS, SMTP, FTP, DDNS, PPPoE, RTCP, Syslog, LDAP
Ethernet	10/100/1000, IEEE 802.3bt, auto sensing 1 × RJ45
Remote configuration	Via web browser or supported video management software
Firmware upgrade	Flash memory for upgrade of camera firmware over the network
Supported web browser	Firefox, Chrome, Edge, Safari
Cyber security	Password protection IP address filtering TLS/HTTPS IEEE 802.1X network access control Digest authentication Password policy Protect from multiple failure login
ONVIF support	Profiles S, G, M & T
Analytics	
Video analytics	Abandoned object Intrusion detection Camera sabotage Wrong direction Loitering detection Object counting Object removal Stopped vehicle Face detection PTZ auto tracking
Analytics management	Web-based configuration and management, adjustable sensitivity, automatic responses, remote I/O control

Specifications subject to change. For the most up-to-date specifications, please visit [flir.com](http://flir.com).



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## SPECIFICATIONS, CONT.

Audio	
Bidirectional audio	Audio in, terminal block, G.711/G.726/AAC/LPCM, Audio out
Alarm	
Input	Alarm in × 4, 5 V with 10 KΩ pull up, 100 mA @ room temperature
Output	Alarm out × 2, Terminal Block, 400 V DC/AC, 120 mA
Physical	
Casing material	Aluminum
Enclosure rating	IK10 (except window), IP66
Dimensions	CP-6402-31-PA: 210 × 279 mm (8.27 × 10.98 in) with sunshield CP-6402-30-RA: 212 × 263.6 mm (8.35 × 10.38 in.)
Weight	CP-6402-31-PA: 3.1 kg (6.8 lb) CP-6402-30-RA: 2.8 kg (6.1 lb)
Electrical	
Input voltage	PoE+ IEEE802.3at, max 25.5 W AC 24 V, max 29.04 W, max 53.24 VA
Power consumption	Max 29.04 W (including heaters)
Power connector	RJ45, AC
Safety wire	Yes
Environmental	
Operating temperature	-25°C to 60°C (-13°F to 140°F) with heater
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90% (non-condensing)
De-icing/defogging	Yes
Warranty & Regulatory	
Warranty	According to FLIR RMA Policy and Process Notice document
USA	FCC Part 15 (subpart B, class A, ICES-003)
International	CE marked, EN 61000-6-3, EN 50130-4, RoHS, RCM, WEEE, ISTA-3A, BIS, UKCA/UKNI
Shock & Vibration	IEC 60068-2-64: 2008
Bump & Vibration	IEC 60068-2-27: 2008

Pan-Tilt-Zoom	
Pan/Tilt travel	Pan: 0°–360° endless Tilt: -10°–100°
Manual speed	Pan: 0.1°–90°/s Tilt: 0.1°–55°/s
Horizontal viewing angle	Pan: 0°–360°, endless
Presets	256
Preset speed	Pan: 400°/s Tilt: 300°/s
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

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## ORDERING INFORMATION

Model	Description
CP-6402-31-PA	FLIR Quasar™ Premium 1080p Pendant PTZ 30x Zoom Camera with Edge AI
CP-6402-30-RA	FLIR Quasar™ Premium 1080p Recessed PTZ 30x Zoom Camera with Edge AI

For more information about  
FLIR Quasar Premium 1080p  
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