

# FLIR QUASAR™ 4K 31X IR PTZ

## Long-Range Visible PTZ Camera

The FLIR Quasar 4K 31x IR PTZ camera is designed to provide situational awareness in the most demanding environmental conditions. A 4K 31x optical zoom and improved field of view gives operators the ability to seamlessly monitor key details throughout large areas, making the Quasar 4K 31x IR PTZ an ideal solution for critical infrastructure sites and remote facilities that require close monitoring.



### BEST-IN-CLASS IMAGING AND COVERAGE

Sharp, wide-coverage video outperforms other PTZ cameras in challenging conditions.

- 4K visible resolution delivers exceptional clarity
- Onboard IR illuminator provides excellent low light visible imaging
- Visible sensor optical zoom up to 31x for extreme long-range coverage
- Laser focus guarantees a clear, crisp image

### RUGGEDIZED FOR EXTREME ENVIRONMENTS

Designed to tackle the most challenging environments, including critical infrastructure sites and other demanding locations.

- Ruggedized design featuring IP66, IK10 on metal parts, and NEMA-4X
- Available integrated lens wiper and washer accessory simplify camera maintenance
- -40°C to 60°C (-40°F to 140°F) extreme operating temperature range
- Onboard heater de-ices pan/tilt components in freezing conditions

### SECURE AND USER-FRIENDLY

Hardware and software enhancements help keep your facility safe.

- Cybersecurity improvements enforce best practices, protect against multiple failed log-in attempts, and offer hardware and software authentication and encryption
- New, simplified web interface allows quick access to advanced features
- Improved support for common web browsers

For more information visit:

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## FLIR QUASAR 4K 31x IR PTZ

Camera	Quasar CP-6408-31-I
Video	
Video Compression	Two independent channels of H.264 & M-JPEG
Streaming Resolution	Scalable from VGA to 4K
Maximum Performance	H.264 30/25 fps @ 4K (NTSC/PAL) & H.264 30/25 fps @ VGA (NTSC/PAL)
Bandwidth	Configurable between 100 Kbps and 12 Mbps
Rate Control	CBR / VBR
System Integration	
Ethernet	10/100/1000 Mbps Base-T auto sensing, half / full duplex (RJ45)
Network APIs	FLIR SDK, FLIR CGI, ONVIF Profile S
Digital I/O	Input: 4 Sets / 5 V 10 kΩ pull up Output: 2 Set / Relay output, max. 130 mA 24 VDC/AC
Audio I/O	Bi-directional audio - connection - terminal block
Network	
Supported Protocols	IPv4, HTTP, HTTPS, UPnP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, ONVIF Profile S, IEEE 802.1X, TLS
Cyber Security	User credentials with policy enforcement Protection from brute force attack Digest authentication IEEE 802.1X TLS/HTTPS Access control via firewall
Configuration	Remote: via web access or supported VMS
Firmware Upgrade	Flash upgrade via network
Supported Web	Chrome (recommended), Firefox, Edge, and Safari (no ActiveX required)
Pan / Tilt Performance	
Pan Angle / Speed	Continuous 360° 0.1° to 90°/sec
Tilt Angle / Speed	-10° to 190° 0.1° to 60°/sec
Programmable Presets / Preset Accuracy	256 / Pan: 0.1° Tilt: 0.1°
General	
Input Voltage	24 VAC (±10%) Universal POE injector
Power Consumption	Max 61 W 24 VAC / 43 W POE - with heater and IR on
Dimensions	268 mm × 409 mm (10.55 in × 16.1 in)
Unit Weight	Without carton: 9.12 kg (20.1 lb) Including carton: 10.5 kg (23.1 lb)
Environmental	
IP Rating (Dust & Water Ingress) Enclosure Rating	IK10 Upper / IP66 Overall
Operating Temperature Range	-40°C to 60°C (-40°F to 140°F) cold start
Storage Temperature Range	-55°C to 85°C (-67°F to 185°F)
Humidity	0-95% relative
Shock	IEC 60068-2-27
Vibe	IEC 60068-2-64
Wiper / Washer	Built-in / Accessory

Visible Light Camera - 4K 31X	
Sensor Type	3840 × 2160 (4K UHD), 1/1.8-in Progressive CMOS
Lens Field of View	HFOV: 61.8° - 2.15°, VFOV: 36.65° - 1.2°
Focal Length	6.5 mm - 202 mm
Optical / Digital Zoom	31x / Up to 8x
F/#	F1.55 (wide); F4.8 (tele)
Sensitivity	Color: 0.25 Lux (@ f1.6 AGC On, 30 fps) B/W: 0.10 Lux (@ f1.6 AGC On, 30 fps)
Shutter WDR	130 dB
Automatic Electronic Shutter (AES)	1/2 to 1/32,000 (auto)
High Light Compensation (HLC)	Supported
Warranty & Regulatory	
Warranty	2-year 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, NEMA 4X, WEEE, BIS
Eye safe	LiDAR Laser (IEC60825-1), IR Light (IEC60825-1), IR Light (IEC62471)
MTBF (hours)	274,177
IR Illuminators	
Distance	Up to 200 m (656 ft)
LED Type	High efficiency SMD
Peak Emission Wavelength (nm)	850

Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.teledyneflir.com](http://www.teledyneflir.com)

A complete list of mounts, power options, brackets, pole mounts and recess kits for cameras can be found in the FLIR Security Cameras - Accessory Guide.

For more information visit:

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