



## MULTIPURPOSE ULTRA HD LOW LIGHT CAMERA

# QUASAR™ 4K Fixed Box

The Quasar 4K Fixed Box camera offers evidentiary detail, combined with a lowlight FHD camera for nighttime operations. Utilizing programmable schedules, the camera can switch from 4K UHD mode during daytime to 1080p Enhanced Low Light Performance mode at night, for optimal image capture based on the best scene resolution with sWDR.

[www.flir.com /security](http://www.flir.com/security)



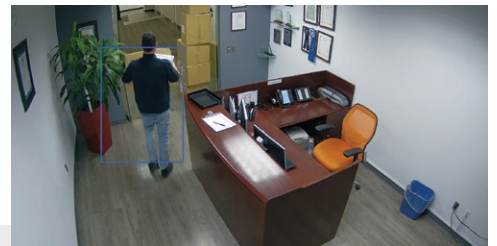
## TRUE DAY/NIGHT CAMERA

The Quasar 4K Fixed Box is ideal for challenging deployments found in tunnel entrances, security checkpoints, critical infrastructure, and casinos.



## ADAPTIVE STREAMING TECHNOLOGY

Combined with FLIR's United VMS, our Adaptive Streaming technology ensures minimum impact on your network and IT infrastructure.



## BUILT-IN ANALYTICS

The camera offers a package of basic video analytics capabilities including Border Line, Counting, Area Protection, Loitering, Object Dropped and Object Removed.

## SPECIFICATIONS

### Camera

Image Sensor	1/2.5" BSI CMOS
Sensor Resolution	3840 x 2160
Scanning Mode	Progressive
Sensitivity	0.07 (color)/0.01 (BW)
Lens Type	CS mount (lens not included), P-Iris/DC – Iris/i-CS with External Auto Back Focus control
Automatic Electronic Shutter	1/1.75 to 1/10,000 (auto)
Digital Slow Shutter (DSS)	Max. shutter 1/7.5(6.25)–1/60(50) / min.
White Balance	Auto / ATW / Manual / One Push
Automatic Gain Control (AGC)	Auto
Back Light Compensation	On / Off
WDR	sWDR
Noise Reduction	New generation 3DNR technology
Tamper Detection	Yes
Privacy Zones	Yes
Video Motion Detection	Yes
General Purpose Video Analytics*	Border Line, Counting, Area Protection, Loitering, Object Dropped, Object Removed
Day / Night Mode	Yes, support for Enhanced Low Light Performance
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	More than 50dB when AGC off
ONVIF Compliance	Onvif Profile S & G
Analog Output	1 x composite video output BNC
Audio Intensity Detection	Yes

### Video

Compression	Enhanced H.265, enhanced H.264 main profile/high profile/baseline profile (MPEG-4 Part 10/AVC), Motion JPEG
Maximum Performance	H.264 30/25 FPS @ 4K (NTSC/PAL) or H.265 27/22 FPS @ 4K (NTSC/PAL) or H.264/H.265 15/12 FPS @ 4K + 1080P + D1 (NTSC/PAL) or H.264/H.265 60/50 FPS @ 1080P + 30/25 FPS @ 720P + D1 (NTSC/PAL)
Resolution Range	Scalable from D1 to 4K
Bandwidth	Configurable between 64Kbps and 20Mbps
Rate Control	CBR, CVBR
SD Card Recording <sup>1</sup>	microSDXC up to 128GB (Class 10)

\* Requires license activation: part number TBD. Single active rule at any time. Requires license purchased separately.  
<sup>1</sup> Excluding countries where disallowed.

### Camera Ordering Information

Type	Series	Camera Resolution	Included Analytics	Lens	Environmental
CF	63	08	0	0	0
Camera Fixed	63 = Quasar Gen III	08 = 4K UHD	0 = Multi-Zone VMD and Tamper Detection	P = Panoramic 180°/360° Convertible	1 = IP67 Vandal with Heater

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

### Network

Network Protocols	CP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, SSL, LDAP
Ethernet	10/100, auto sensing, half / full duplex (RJ45)
Serial Port	RS-485
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	Internet Explorer 10+, Firefox 50+, Chrome 55+
Security	User account with password protection and IP filter

### Audio

Input	1 Audio Line Level Input, G.711 a/μ-law, AAC support,
Output	1 Audio Line Level Out

### Alarm

Input	1 Dry Alarm Contact
Output	1 Relay Contact

### Physical

Enclosure	Camera body: aluminum, front cover: PC+ABS plastic
Dimensions	76 x 100 x 63mm (2.99 x 3.93 x 2.48 in.)
Unit Weight	0.61kg (1.34 lbs.)

### Electrical

Input Voltage	802.3af PoE, 12 VDC, 24 VAC
Power Consumption	7.5W
Power Connector	2-pin terminal block, LED indicator

### Environmental

Operating Temperature	-20°C – 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	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, EN61000-6-3 & EN50130-4, RoHS, RCM
MTBF (hrs)	663,132

### Fixed Box Lens Options

CF-L308-11-P	Ultra HD (4K) Lens, 3.8-12mm, F1.4, 1/1.7", P-Iris, IR Corrected, CS Mount
CF-L304-11-P	Quad HD (1440p) Lens, 3.4-10mm, F1.6, 1/2.5", P-Iris, IR Corrected, CS Mount
CF-L304-21-P	Quad HD (1440p) Lens, 12-50mm, F1.5, 1/1.8", P-Iris, IR Corrected, CS Mount
CF-L308-11-I	Ultra HD (4K) Lens, 3.9-10mm, F1.5, 1/1.8", i-CS, IR Corrected, CS Mount
CF-L308-21-I	Ultra HD (4K) i-CS lens, 9-50mm, F1.5, 1/1.8", i-CS, IR Corrected, CS Mount
CF-L304-31-I	Quad HD (1440p) Lens, 25-135mm, F1.8, 1/1.8", i-CS, IR Corrected, CS Mount

### Fixed Box Mounting Options

CF-ENCL-63	Camera Housing for CF-63xx Series, Indoor/Outdoor, Vandal Resistant, 24VAC (includes Heater/Blower, Sunshield and Bracket Mount)
CF-POLE-63	Pole Mount for CF-ENCL-63 (includes Straps)
CX-PRWR-241	UL listed and approved 24VAC Outdoor Power Supply for one Outdoor PTZ Camera.



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19-0582-SEC-ENT Quasar CF-6308 Datasheet



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