FLIR *Quasar*™

4K Fixed Box Camera

MULTIPURPOSE CAMERA COMBINING ULTRA HD RESOLUTION WITH ENHANCED LOW LIGHT PERFORMANCE FHD FUNCTIONALITY. SUPERIOR IMAGE QUALITY. CUSTOM LENS AND HOUSING.

The Quasar 4K Fixed Box camera is a multi-purpose 4K UHD resolution evidentiary detail camera combined with a low light FHD camera for nighttime operations. Utilizing programmable schedules, the camera can switch from UHD mode (4K with up to 30 FPS) during daytime, to Enhanced Low Light Performance mode (1080P with up to 60 FPS) at night time, thus providing optimal image capture at all times based on optimal scene resolution along with sWDR.

Combined with FLIR's United VMS, you can take advantage of our unique Adaptive Streaming technology, ensuring minimum impact on your network and IT infrastructure.

Its compact form factor allows for the use of specialized housings ranging from explosion-proof to extreme weather, as well as a wide selection of specialized lenses from super wide to long telephoto.

This makes the FLIR Quasar 4K fixed box camera an ideal option for specialized applications in highly demanding deployments found in tunnel entrances, security check-points, critical infrastructure, oil and gas refineries, airport terminals, casino cages and more.

FEATURES

- High performance True Day/Night camera

- 4K @ 30 fps or 1080p @ 60 fps with Enhanced Low Light Performance mode

- sWDR

- Auto Back-Focus

- Multi-Stream Adaptive Streaming

- P-Iris and DC-Iris Capable

- Alarm I/O

- Privacy Masking

- Storage on the Edge

- H.264, H.265, ONVIF Profile S/G

- Bi-directional Audio

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General 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 with External Auto Back Focus control
AES	1/1.75 to 1/10,000 (auto)
DSS	max. shutter 1/7.5(6.25)~1/60(50) / min.
White Balance	Auto / ATW / Manual / One Push
AGC	Auto
BLC	On / Off
WDR	sWDR
Noise Reduction	New generation 3DNR technology
Tamper Detection	Yes
Privacy Zones	Yes
Video Motion Detection	Yes
Day/Night Mode	Yes
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio	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
Max 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	CVBR/CBR

SD Card Recording	microSDXC up to 32GB (Class 10)

Network	
Network Protocols	TCP, 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)
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 Input, G.711 a/µ-law, AAC support
Output	1 Audio Line Output

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
Unit Weight	0.61kg(1.34 lbs.)

Electrical	
Input Voltage	802.3af PoE, 12 VDC, 24 VAC
Power Consumption	7.5W
Power Connection	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

Camera Ordering Information

Type	Series	Camera Resolution	Included Analytics	Lens	Environmental
CF	63	08	0	0	0
Camera Fixed	63 = Quasar Gen lll	08 = 4K UHD	0 = Multi-Zone VMD and Tamper Detection	0 = Day/Night	0 = requires environmental housing for outdoor applications

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

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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