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

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**: 1/17.75 to 1/10,000 (auto)
- **Digital Slow Shutter (DSS)**: Max. shutter 1/7.5@25~1/80(50) / min.
- **White Balance**: Auto / ATW / Manual / One Push
- **Auto Gain Control (AGC)**: Auto
- **Back Light Compensation**: On / Off
- **WDR**: iWDR
- **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
- **Audio Input**: 1 x composite video output BNC
- **Audio Output**: 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 + 01 (NTSC/PAL) or H.264/H.265 60/50 FPS @ 1080P + 30/25 FPS @ 720P + 01 (NTSC/PAL)
- **Resolution Range**: Scalable from D1 to 4K
- **Bandwidth**: Configurable between 64Kbps and 20Mbps
- **Rate Control**: CBR, CVBR
- **SD Card Recording**: microSDXC up to 128GB (Class 10)

**Camera Ordering Information**

<table>
<thead>
<tr>
<th>Type</th>
<th>Camera Resolution</th>
<th>Included Analytics</th>
<th>Lens</th>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF</td>
<td>63</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CF-L308-11-P</td>
<td>6 = Quasar Gen III</td>
<td>08 = 4K UHD</td>
<td>P = Panoramic 180°/360° Convertible</td>
<td>1 = IP67 with Heater</td>
</tr>
</tbody>
</table>

### Camera Fixed

- **Specifications are subject to change without notice.**
- For the most up-to-date specs, go to 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, DoS, 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, 2-pin terminal block, LED indicator
- **Output**: 1 Audio Line Level Out

### 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

**Warranty & Regulatory**
- **Warranty**: According to FLIR RMA Policy and Process Notice document
- **USA**: UL, FCC Part 15 (subpart B, class A), CE marked, EN61000-6-3 & EN50130-4, RoHS, RCM
- **MTBF (hrs)**: 563,132

### 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-L303-21-P**: Quad HD (1440p) Lens, 15-50mm, F1.5, 1/1.8”, P-Iris, IR Corrected, CS Mount
- **CF-L308-21-I**: Ultra HD [4K] Lens, 3.9-10mm, F1.5, 1/1.8”, i-CS, IR Corrected, CS Mount

### Fixed Box Mounting Options
- **CF-ENCL-63**: Camera Housing for CF-63xxx Series, Indoor/Outdoor, Vandal Resistant, 24VAC (includes Heater/Blower, Sunshield and Bracket Mount)
- **CF-POLE-63**: Pole Mount for CF-ENCL-63 (includes Straps)
- **CF-PRWR-241**: UL listed and approved 24VAC Outdoor Power Supply for one Outdoor PTZ Camera

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* Requires license activation: part number TBD. Single active rule at any time. Requires license purchased separately.
* Excluding countries where disallowed.

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19-0562-SEC-ENT Quasar CF-6308 Datasheet

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