The Ariel ™ 4K UHD Bullet is ready for the diverse motion and lighting conditions found in critical infrastructure and commercial locations. The camera includes Shutter Wide Dynamic Range, IR Illumination and H.264/H.265 compression. The Ariel 4K UHD Bullet reduces the total cost of ownership through network and storage infrastructure savings. When controlled using FLIR’s United VMS, the camera also utilizes FLIR’s custom adaptive streaming technology, enhancing the overall viewing experience.

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**4K UHD BULLET CAMERA**

Ariel™ 4K Bullet

The Ariel™ 4K UHD Bullet is ready for the diverse motion and lighting conditions found in critical infrastructure and commercial locations. The camera includes Shutter Wide Dynamic Range, IR Illumination and H.264/H.265 compression. The Ariel 4K UHD Bullet reduces the total cost of ownership through network and storage infrastructure savings. When controlled using FLIR’s United VMS, the camera also utilizes FLIR’s custom adaptive streaming technology, enhancing the overall viewing experience.

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**LATEST SENSOR TECHNOLOGY**

Features include 4K UHD resolution, Shutter Wide Dynamic Range, and H.264/H.265 compression.

**TRUE DAY/NIGHT COVERAGE**

Low light sensitivity at 0.07 Lux (color), 0.01 Lux (BW), and 0 Lux with IR illumination.

**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), 0 Lux with IR illuminator ON, measured at 30 IRE
- **Lens Type**: Varifocal 3.4-9mm, 42° - 104° HFOV, F1.2, D/N, motorized auto-focus / auto-iris, P-Iris
- **Automatic Electronic Shutter (AeS)**: 1/1.75 to 1/10,000 (auto)
- **Digital Shutter (DSS)**: 1/7.5(2.5)-1/60(50) NTSC/PAL
- **White Balance**: Auto / AWB / Manual / One Push
- **Automatic Gain Control (AGC)**: Auto
- **Back Light Compensation**: On / Off
- **Shutter WDR**: 120 dB
- **Noise Reduction**: 3D
- **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

**Video**
- **Compression**: H.265 main profile, H.264 main profile/high profile, Motion JPEG
- **Maximum Performance**: H.264/H.265 30/25 FPS @ 4K (NTSC/PAL) or H.264/H.265 50/50 FPS @ 4K + 30/25 FPS @ 1080P + 15/12 FPS @ 720P + D1 (NTSC/PAL)
- **Resolution Range**: Scalable from D1 to 4K
- **Bandwidth**: Configurable between 64Kbps and 20Mbps
- **Rate Control**: CBR, CVBR, MJPEG
- **SD Card Recording**: microSDXC up to 128GB (Class 10)
- **IR Illuminator**: Up to 30m (98 ft.)
- **Angle of Illumination**: Full 60°
- **LED Type**: High efficiency SMD
- **Peak Emission Wavelength (nm)**: 850

**Camera Ordering Information**

<table>
<thead>
<tr>
<th>Type</th>
<th>Series</th>
<th>Camera Resolution</th>
<th>Lens Options</th>
<th>Environmental</th>
<th>IR Illuminator</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-4S-31</td>
<td>4S</td>
<td>3840 x 2160</td>
<td>1 - 3.4-9mm</td>
<td>1 = IPS7 Vandal</td>
<td>1 = 60° Illuminator</td>
</tr>
</tbody>
</table>

**Mounting Options**
- **Wall Mount**: CB-4S-31, CB-WLBX-31
- **Pole Mount**: CB-PLBX-31

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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**Network**
- **Network Protocols**: TCP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTPCP, PPDS, NTP, UPnP, SMTP, SNMP, IGMP, B02-TX, QoS, IPv4, IPv6, SSL, LDAP
- **Ethernet**: 10/100, IEEE 802.3, auto sensing 1 x 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**: Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication

**Audio Connection**
- **Bi-Directional Audio**: 1 Audio Line Input, G.711 a/μ-law, AAC support + 1 Audio Line Output

**Alarm**
- **Input**: 1 dry alarm contact
- **Output**: 1 Relay Contact

**Physical**
- **Enclosure**: Indoor/Outdoor: IK7 rated vandal IP67
- **Dimensions**: 215 x 96 x 80 mm (8.48 x 3.39 x 3.15 in.)
- **Unit Weight**: 0.63kg (1.39 lbs.)

**Mechanical**
- **View Port**: IK7 vandal resistant polycarbonate
- **View Port F-Stop**: F0.0 - clear
- **Pan / Tilt**: 360° / ±80°

**Electrical**
- **Input Voltage**: 802.3af PoE
- **Power Consumption**: 8W / 12W with heater and IR
- **Power Connector**: RJ45

**Environmental**
- **Operating Temperature**: -40°C to 50°C (-40°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/cUL 60950-1, FCC47 CFR Part 15, subpart B / ICES-003
- **International**: CE marked, EN61000-6-3 & EN50130-4, RoHS, RCM
- **MTBF (hrs)**: 354,139 at 50°C

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**Onvif**

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NASDAQ: FLIR

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