The Ariel™ Quad HD Dome is ready for 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 Quad HD Dome reduces the total cost of ownership through network and storage savings. When controlled using FLIR’s United VMS, the camera also utilizes unique adaptive streaming technology, enhancing the overall viewing experience.

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QUAD HD MINI-DOME CAMERA

Ariel™ Quad HD Mini-Dome

The Ariel™ Quad HD Dome is ready for 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 Quad HD Dome reduces the total cost of ownership through network and storage savings. When controlled using FLIR’s United VMS, the camera also utilizes unique adaptive streaming technology, enhancing the overall viewing experience.

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LATEST SENSOR TECHNOLOGY

Features include Quad HD resolution, Shutter Wide Dynamic Range, and H.264/H.265 compression.

TRUE DAY/NIGHT COVERAGE

Camera sensitivity equals 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**: 1/2.9” BSI CMOS
- **Sensor Resolution**: 2560 x 1440
- **Scanning Mode**: Progressive
- **Sensitivity**: 0.07 (color)/0.01 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE

**Lens Type**
- CM-3304-11-I: Varifocal 2.8-8.5mm, 36°-103° HFOV, F1.2, D/N, motorized auto-focus / auto-iris, P-Iris lens
- CM-3304-21-I: Varifocal 9-22mm, 15°-34° HFOV, F1.5, D/N, motorized auto-focus / auto-iris, P-Iris lens

**Automatic Electronic Shutter (AES)**
- 1/1.75 to 1/10,000 (auto)

**Digital Slow Shutter (DSS)**
- 1/7.5(6.25)~1/60(50) NTSC (PAL)

**Video Motion Detection**: Yes

**General Purpose Video Analytics**
- Border Line, Counting, Area Protection, Loitering, Object Dropped, Object Removed

**Day / Night Mode**: Yes

**Mechanical IR Cut Filter**: Yes

**Signal to Noise Ratio (SNR)**
- More than 50dB when AGC off

**Network**
- **Network Protocols**: TCP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTMP, PPPOE, NTP, UPnP, SMTP, SNMP, IGMP, B02, 1X, QoS, IP4, IP6, 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+

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

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

**Physical**
- **Enclosure**: Indoor/Outdoor: IK10 rated vandal IP67
- **Dimensions**: 138 × 104 mm (5.43 x 4.09 in.)
- **Unit Weight**: 0.82kg (1.8 lbs.)

**Mechanical**
- **Bubble F-Stop**: F0.0 - clear
- **Pan / Tilt**: 360° / ±80°

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

**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, FCC Part 15 (subpart B, class A)
- **International**: CE marked, EN61000-6-3 & EN50130-4, RoHS, GMC
- **MTBF (hrs)**: 383,688

**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>Mini-dome Camera</td>
<td>33 = Ariel Gen III</td>
<td>2560 x 1440</td>
<td>1 = 2.8-8.5mm, 2 = 9-22mm, 1 = IP67 Vandal with Heater, 1 = 60° Illuminator</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mounting Options**
- **CM-CAPX-31**: Pendant Cap for CM-31xx Series and CM-33xx Series
- **CX-ARMX-G3**: Wall mount bracket 1.5” NPT (m) threaded
- **CM-4S-31**: 4S Mounting Adapter for CM-31xx and CM-33 Series
- **CM-BKBX-31**: Back Box for CM-31xx and CM-33xx Series
- **CX-ELBX-G3**: Wall mount bracket 1.5” NPT (m) threaded with IP68 electrical box enclosure
- **CX-ELBX-G3**: Wall mount bracket 1.5” NPT (m) threaded with IP68 electrical box enclosure
- **CX-GRNR-G3**: 90° Exterior Angle corner adapter for Cx-xxxx-G3 mounts
- **CM-RCSD-G2**: Recessed Kit for CM-31xx, CM-33xx, and CM-62XX Series Mini-dome Cameras
- **CX-POLE-G3**: Pole Adapter for Cx-xxxx-G3 mounts including 2.5” - 8.5” straps

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