The EX72 is a tough, compact, explosion-protected camera with performance optics for effective surveillance in hazardous locations such as oil and gas and chemical facilities. The EX72 is certified for ATEX Zone 1 or NEC Class I, Division 1 environments, the most stringent safety standards for explosion-protected performance. In practical terms, the Class I, Division 1 certifications signify that the EX72 is safe for use even in environments where explosive gases are present under normal operating conditions.

The EX72 incorporates high-strength design, featuring construction of sand-cast, copper-free aluminum strong enough to withstand an internal explosion. Threaded flame paths extinguish burning explosive gases and allow them to exit the housing harmlessly, without risking ignition in the external environment. By meeting the rigorous requirements for Class I, Division 1 environments, the EX72 assures safe, effective performance at less hazardous Class II and Division 2 locations.

Rated NEMA 4X for both indoor and outdoor use, the EX72 carries a T6 temperature code, the lowest and safest rating. When combined with the optional EX72LED infra-red illuminator, the EX72 provides exceptional 24/7 surveillance. The EX72 is easy to install into any 12 VDC or 24 VAC system, and is a safe and effective surveillance solution for hazardous locations.

**Functions**

**Applications**
- Petroleum processing facilities
- Chemical factories
- Agricultural processing plants
- Refineries
- Munitions storage
- Oil and gas plants
- Fuel storage sites
- Industrial plants
- Nuclear facilities
- Pharmaceutical plants
- Aircraft hangers

**Performance Optics**
- Performance CCD with mechanical filter technology
- Enables effective surveillance in low-light environments
- Sensor provides higher IR sensitivity, low smear, low streaking and excellent anti-blooming characteristics

**Compact Ruggedized Construction**
- Small, unobtrusive and discreet housing
• Certified CSA Type 4X design for indoor and outdoor performance
• High-strength reinforced aluminum construction strong enough to withstand an internal explosion.
• Threaded flame paths extinguish burning explosive gases, allowing them to exit the housing harmlessly, without risking ignition in the external environment

**Installer-Friendly Features**
• Varifocal lens 4 to 9 mm or 9 to 22 mm
• 12 VDC / 24 VAC operation
• Optional pan-tilt brackets
• Optional wall and pole adapter plates

**Certifications and approvals**

<table>
<thead>
<tr>
<th>Region</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>CE / ATEX</td>
</tr>
<tr>
<td>Canada</td>
<td>CSA</td>
</tr>
</tbody>
</table>

**Flexible Mounting Options**
- Wall mounting
  - use a combination of EXMB.072B (EX72 adapter plate), EXMB.028B (pan/tilt bracket) and EXMB.015B (pole mount adapter).
- Pole mounting
  - use a combination of EXMB.072B (EX72 adapter plate), EXMB.028B (pan/tilt bracket) and EXMB.015B (pole mount adapter).
- Ceiling mounting
  - use a combination of EXMB.072B (EX72 adapter plate) and EXMB.004B (ceiling bracket).
All brackets are available as optional accessories.

**Technical specifications**

<table>
<thead>
<tr>
<th>Color Cameras</th>
<th>CCD</th>
<th>MX4 CCD Mechanical Filter</th>
<th>C7 High Resolution Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/3 in CCD</td>
<td>1/3 in Interline SuperHAD</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>540 TVL color/540 TVL mono</td>
<td>500 TVL</td>
<td></td>
</tr>
<tr>
<td>Effective Pixels (NTSC)</td>
<td>768 (H) x 494 (V)</td>
<td>768 (H) x 494 (V)</td>
<td></td>
</tr>
<tr>
<td>Effective Pixels (PAL)</td>
<td>752 (H) x 582 (V)</td>
<td>768 (H) x 582 (V)</td>
<td></td>
</tr>
<tr>
<td>Sensitivity</td>
<td>0.02 lux at F1.4</td>
<td>2.7 lux at F1.4</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Greater than 48 dB</td>
<td>Greater than 48 dB</td>
<td></td>
</tr>
<tr>
<td>Output Signal</td>
<td>0.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gamma</td>
<td>On / Off selectable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gain Control</td>
<td>AGC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics Iris</td>
<td>1/60 to 1/100,000 (NTSC)</td>
<td>1/50 to 1/100,000 (PAL)</td>
<td></td>
</tr>
<tr>
<td>Lens</td>
<td>Varifocal 4 to 9 mm or 9 to 22 mm auto-iris lens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>12 VDC or 24 VAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>3.9 W (max.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabling holes</td>
<td>Two 3/4-inch NPT conduit entries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation Temperature Range</td>
<td>-50 ºC to +40 ºC (-58 ºF to 104 ºF)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>1.4 kg (3.1 lbs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>117 x 117 x 99 mm (4.6 x 4.6 x 3.9 in)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notice**
To order a CSA/UL certified product use product codes without the AT suffix. To order an ATEX certified product use product codes with the AT suffix.

**Ordering information**

**EX72C7V0409-N Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 4 to 9 mm lens, NTSC, CSA/UL Certified
Order number EX72C7V0409-N

**EX72C7V0409-P Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 4 to 9 mm lens, PAL, CSA/UL Certified
Order number EX72C7V0409-P

**EX72C7V0922-N Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 9 to 22 mm lens, NTSC, CSA/UL Certified
Order number EX72C7V0922-N

**EX72C7V0922-P Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 9 to 22 mm lens, PAL, CSA/UL Certified
Order number EX72C7V0922-P

**EX72MX4V0409-N Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 4 to 9 mm lens, NTSC, CSA/UL Certified
Order number EX72MX4V0409-N

**EX72MX4V0409-P Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 4 to 9 mm lens, PAL, CSA/UL Certified
Order number EX72MX4V0409-P

**EX72MX4V0922-N Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 9 to 22 mm lens, NTSC, CSA/UL Certified
Order number EX72MX4V0922-N

**EX72MX4V0922-P Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 9 to 22 mm lens, PAL, CSA/UL Certified
Order number EX72MX4V0922-P

**EX72C7V0409AT-N Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 4 to 9 mm lens, NTSC, ATEX Certified
Order number EX72C7V0409AT-N

**EX72C7V0409AT-P Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 4 to 9 mm lens, PAL, ATEX Certified
Order number EX72C7V0409AT-P

**EX72C7V0922AT-N Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 9 to 22 mm lens, NTSC, ATEX Certified
Order number EX72C7V0922AT-N

**EX72C7V0922AT-P Explosion-protected Camera**
1/3 in color CCD, 500 TVL, varifocal 9 to 22 mm lens, PAL, ATEX Certified
Order number EX72C7V0922AT-P

**EX72MX4V0409AT-N Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 4 to 9 mm lens, NTSC, ATEX Certified
Order number EX72MX4V0409AT-N

**EX72MX4V0409AT-P Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 4 to 9 mm lens, PAL, ATEX Certified
Order number EX72MX4V0409AT-P

**EX72MX4V0922AT-N Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 9 to 22 mm lens, NTSC, ATEX Certified
Order number EX72MX4V0922AT-N

**EX72MX4V0922AT-P Explosion-protected Camera**
Day/Night 1/3 in CCD, 540/540 TVL, mech filter, varifocal 9 to 22 mm lens, PAL, ATEX Certified
Order number EX72MX4V0922AT-P

**Accessories**

**EXMB.028B Cable Managed Wall Bracket**
Cable-managed arm bracket, black
Order number EXMB.028B

**EXMB.072B Adapter Bracket**
EXMB72 Adapter Bracket, Black
Order number EXMB.072B
EXMB.015B Pole Mount Adapter Bracket
Pole Mount Adapter, black
Order number EXMB.015B

EXMB.017B Wall Mount Adapter Bracket
Wall Mount Adapter, Black
Order number EXMB.017B

EXMB.004B Ceiling and Pedestal Bracket
Mounting Bracket, HD, Pan/Tilt Adjust - Ceiling Mount for EX52, EX62, black
Order number EXMB.004B

UPA-2430-60 Power Supply
120 VAC, 60 Hz, 24 VAC, 30 VA Out
Order number UPA-2430-60

UPA-2420-50 Power Supply
220 VAC, 50 Hz, 24 VAC, 20 VA Out
Order number UPA-2420-50