MTL RugiCAM-IP

HD network camera

- Intrinsically Safe ATEX / IECEX Certification
- Resolution 1920x1080, 1290x720, D1, SXVGA
- Wi-Fi (optional) supporting 802.11 b/g/n standards
- 12VDC IS Power Supply Input or PoEx™ (Power over IS Ethernet)
- Rugged IP66 rated Anodised Aluminium (or Powder Coated Steel) Enclosure suitable for harsh environments
- Compact dimensions (W:87xH:79xD:165mm)
- Plug & Socket Connections - shortens installation time
- ONVIF compliant
- Ex ia II B T4 Ga; Ex ia IIIC T135°C Da (non-mining), Ex ia I Ma (M1 mining).
  Ta = -40°C to +60°C
- Wide operating temperature: -20°C to +60°C

The MTL RugiCAM-IP is an Intrinsically Safe (IS) Network Camera suitable for Zone 0 / Zone 20 mounting. It connects directly to compatible IS Ethernet Systems via a Cat5e cable or optional Wi-Fi. The small, rugged and cost effective design makes it the ideal choice for many applications:

**Petrochem -** Drill Rigs, Process Monitoring, Remote Safety Inspections, Hazardous Zone Security, …

**Mining -** Conveyor Transfer Points, Bunkers, Fan Sites, Face Roof Supports (Chocks/Shields), …

The MTL RugiCAM-IP features Full HD 1080P resolution and supports video streaming via the H.264 compressed video format and/or Motion JPEG with frame rate selectable to reduce network bandwidth. All configuration is by a standard web browser.

The camera body is available in anodised aluminium and powder coated steel to suit both Group II and Group I (mining) applications. A 6mm thick toughened glass window provides optimal protection in harsh environments.

Optional Infra Red (IR) or White LED lights units are available that enhance the camera’s low light capabilities.
MTL RugiCAM-IP
April 2017

SPECIFICATION

Camera Units

Sensor
1/2.8” SONY 2.3 Mega-Pixel CMOS Sensor
Active pixels 1944(H) x 1224(V)

Lens
Mega-Pixel 4mm focal length f1.6 IR Lens
Viewing angle (approx.) 78.9° (H) x 59.2° (V) x 98.7° (D)

Switchable illumination
White-light or IR LEDs (optional accessory)

Input power
12VDC IS Power Supply Input or PoEx™
(Power over IS Ethernet)
9492-PS-PLUS or similar (see Electrical)

Cable length
10/100 IS Ethernet Interface supports up to 100m Cat5e Connection

Video streaming
H.264 Server, MPEG-4 and Adjustable Frame Rate - Controls Network Bandwidth Usage (30fps max)

Internal memory slot
Micro-SD Card slot (internal) – for local recording on trigger events

SAFETY

Location of Camera
Zone 0 / Zone 20, IIB T4 hazardous area

Certification Code
Ex ia IIB T4 Ga
Ex ia IIIC T135°C Da (non-mining)
Ex ia I Ma (M1 mining)
Ta = -40ºC to +60ºC

Certificate numbers
CML 15ATEX2016X
IECEx CML 15.0008X

ENVIRONMENTAL

Operating Temperature
-20°C to +60°C

Storage Temperature
-20°C to +60°C

Humidity
0…95% RH, non-condensing

Ingress Protection
IP66

ELECTRICAL

Power supplies
12VDC IS Power Supply Input or PoEx™
(Power over IS Ethernet)
9492-PS-PLUS recommended
(minimum requirement 300mA @12V DC - Ex ia/ib IIB output)

MECHANICAL

Camera Unit

| Width | 87mm |
| Height | 79mm |
| Depth | 165mm |
| Weight | AA* = 1.5Kg (CS* = 3.5Kg) |

LED LightingUnit

| Width | 87mm |
| Height | 79mm |
| Depth | 105mm |
| Weight | AA* = 1.5Kg (CS* = 3.5Kg) |

*Enclosure Material: AA = Anodised Aluminium, CS = Coated / Painted Steel

ORDERING INFORMATION

Camera and LED Units

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>9459-ET-AA</td>
<td>IP-Camera (with WiFi) – Aluminium Enclosure</td>
</tr>
<tr>
<td>9457-IR-AA</td>
<td>IR LED Unit – Aluminium Enclosure</td>
</tr>
<tr>
<td>9457-WH-AA</td>
<td>White LED Unit – Aluminium Enclosure</td>
</tr>
<tr>
<td>9459-ET-CS</td>
<td>IP-Camera (with WiFi) – Steel Enclosure</td>
</tr>
<tr>
<td>9457-IR-CS</td>
<td>IR LED Unit – Steel Enclosure</td>
</tr>
<tr>
<td>9457-WH-CS</td>
<td>White LED Unit – Steel Enclosure</td>
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</tbody>
</table>

Additional accessories

<table>
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<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>9409-ETS</td>
<td>Camera Ethernet Cat6a Cable 5m (M12 connector 8-pole, RJ45)</td>
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<tr>
<td>9409-PWR5</td>
<td>Camera/LED Power Cable 5m (M12 connector 4-pole, Free end)</td>
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<tr>
<td>9409-LED</td>
<td>LED-Camera Link Cable 0.6m (M12 connector 4-pole, M12 connector 4-pole)</td>
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<tr>
<td>ANT94RA</td>
<td>MTL Right Angled Stubby Antenna</td>
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The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.