Technical data
MTL industrial network solutions

April 2017
EPS MTL RugiCAM-IP rev 3

CROUSE-HINDS
SERIES

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 IIB T4 Ga; Ex ia IIIC T135°C Da (non-mining), Ex ia I Ma (M1 mining). Ta = -40ºC to +60ºC**
- **Wide operating temperature: -20ºC to +60ºC**

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.

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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

Connector
M12

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 = -40°C to +60°C

Certificate numbers
CML 15ATEX2016X
IECEx CML 15.0008X

See certificates for further information

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

9459-ET-AA	IP-Camera (with WiFi) – Aluminium Enclosure
9457-IR-AA	IR LED Unit – Aluminium Enclosure
9457-WH-AA	White LED Unit – Aluminium Enclosure
9459-ET-CS	IP-Camera (with WiFi) – Steel Enclosure
9457-IR-CS	IR LED Unit – Steel Enclosure
9457-WH-CS	White LED Unit – Steel Enclosure

Additional accessories

9409-ET5	Camera Ethernet Cat6a Cable 5m (M12 connector 8-pole, RJ45)
9409-PWR5	Camera/LED Power Cable 5m (M12 connector 4-pole, Free end)
9409-LED	LED-Camera Link Cable 0.6m (M12 connector 4-pole, M12 connector 4-pole)
ANT94RA	MTL Right Angled Stubby Antenna