



RCAM-DL

VEHICLE ELECTRONICS

Rugged Camera Module - DayLight

The Rugged Camera Module, RCAM-DL, is a digital fully rugged camera platform supporting Ethernet protocols as DEF STAN 00-82, GigE-Vision or SAAB Video Distribution System – SAAB VDS. RCAM-DL includes a HD color camera sensor, digital processing blocks for video digital and camera control over Ethernet with extreme low latency for demanding applications as drivers video enhancement etc. The unit is designed for distributed power typically routed from adjacent Ethernet-switch (single cable concept).



Front view, left



Rear view

Main design features

- HD color sensor camera
- MIL-C-38999 connector
- Climatically sealed housing, IP65
- Easy maintenance, few parts
- Prepared for future functionality
- Fast start-up
- Qualified according to: MIL-STD-810, MIL-STD-461 and MIL -STD-1275
- Low Latency
- DEF STAN 00-82, GigE-vision or SAAB VDS Compatible
- Rugged for most demanding applications

Configuration

- HD color camera (720 p)
- Horizontal Field of View: 55°
- Sensitivity: 1,0 Lux
- Sapphire front glass, AR-coated + defroster
- Gbit Ethernet LAN Video Interface according to SAAB VDS
- Full screen and quarter image output
- Ethernet video transmission/camera control
- Distributed power, single cable design
- Power input based on MIL-STD-1275
- Color RAL6031
- Horizontal orientation

External connectors

The unit is equipped with one rear, straight-out connector type MIL-C-38999

Mechanical interface

The RCAM-DL is designed to be fixed mounted on the vehicle. External damping devices are not required.

Dimensions

Height	100 mm
Width	70 mm
Depth	88 mm excl. Rear connector
Weight	0,8 kg

Miscellaneous

Power consumption:

Nom. 10 W, Max. 60 W (defroster active)

Options

- DEF STAN 00-82 or GigE-Vision output
- Video compression h.264
- Dynamic zoom
- Image enhancement
- Image stabilization
- Object recognition
- Customized Field of View
- Other customized options on request
- Defroster
- Customized colors on request
- Customized FoV

Environmental

- Operating temperature: -40°C to +65°C
- Storage temperature: -46°C to +71°C

Specifications subject to change without notice

