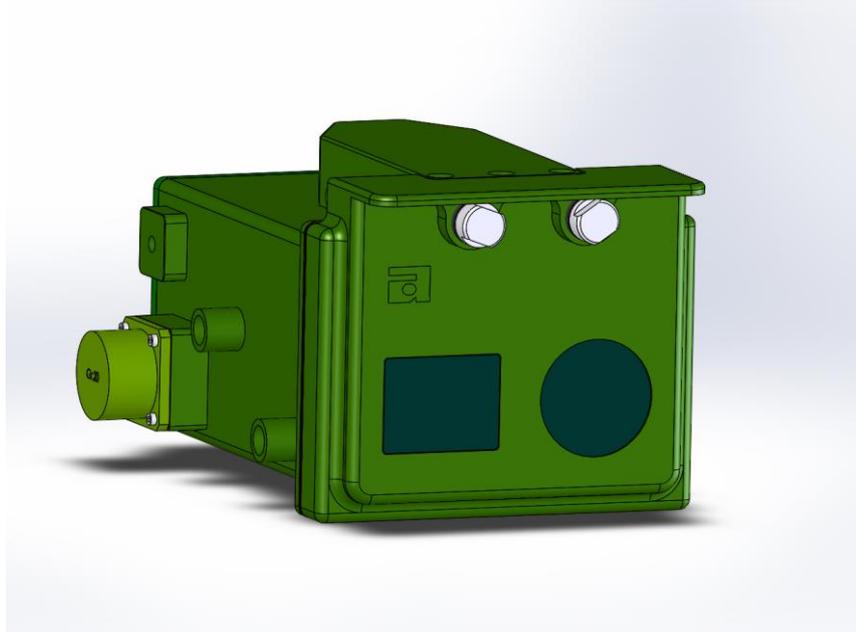


Thermal Dual-Hybrid-Cam IN-TD6400

- IP69k protection Design
- Realtime 50/60Hz
- Thermal Resolution: 640x480
- Visual Resolution: 800TVL
- Hybrid-Mix-Output
- Realtime Overlay
- MIL-STD-810F



Main Features:

This camera joins the advantages of both, HDR CMOS visual sight and infrared thermal imaging in one small ruggedized enclosure.

This model is equipped with our latest full digital crossfader technology. Thus the operator can step less overlay the data streams of both sensors.

The camera has two built-in cleaning nozzles for ground applications and an integrated glass heater (option) for the visual sight sensor as well.

The electronics is completely controlled via CAN-BUS. An integrated galvanically isolated military grade vehicle power supply completes the features of this excellent product.



Thermal 100% / WDR 10%



Thermal 100% / WDR 40%



Thermal 100% / WDR 80%



Preliminary Technical Data

Visual Sight Sensor:

- Sensor: 1.3 Mega Pixel Sony Exmor Image Sensor
- Wide Dynamic Range Max. 120dB
- 800 TV Lines at Color
- Minimum Illumination: 0.08 Lux
- Exposure control
- 2 DNR and 3 DNR Noise Reduction
- VideoOutput:VBS1.0V(75ohm)
- Multiple lens options available
- User definable options available
- Front glass: chemically stranged floatglass

Thermal Imager:

- 640x480 Sensor resolution
- 17 μm pixel size
- Spectral Range 8-14 μm
- High sensitivity $\leq 50\text{mK}$
- 50Hz (PAL) and 60Hz (NTSC), full frequency VideoOutput
- Noise removal algorithm
- Startup: <5s
- Multiple lens options available
- User definable options available
- Front glass: germanium oxide

Power Supply:

Camera electronics: 9-36 VDC t.b.d. VA
 Glass heater: option (9-36 VDC 2,5VA automatically below 0°C)

Enclosure:

Dimmensions: t.b.d.
 Weight: t.b.d.
 Material: milled alluminium alloy

Controlls:

CAN

Environment:

Temperature: -40°C to +71°C according to MIL-STD-810F
 Ingress Protection: IP69k according DIN 40050
 Salt spray: MIL-STD-810F
 Vibrations: MIL-STD-810F, Fig. 514.5C-3
 Schock: MIL-STD-810F 25g / 6 ms
 EMI/EMC: MIL-STD-461G

Coming soon as option:
 Thermal Zoom Lens
 35-105mm (3x)
 50-150mm (3x)

