CATHARINE-FC
Compact Thermal Imager

- Compact: Easy integration in all type of vehicles
- Precise boresighting, high axis stability
- Rugged (wheeled or tracked vehicles)
- Day & night, passive operation
- Good detection of camouflaged target
- 8-12 µm spectral band, the proven solution for the battlefield

www.thalesgroup.com/land-joint
CATHERINE-FC
Compact Thermal Imager

**MAIN FEATURES**
- 8-12 µm: unaffected by battlefield obscurants and solar dazzle
- Small size allows easy integration in most sights, including light armoured vehicles
- One thermal imager for all applications reduces life cycle cost
- x 1.5 teleconverter available for extended range performance (option)

**CHARACTERISTICS**

**Spectral Band:**
- 8-12 µm

**Field of view (FOV):**
- Wide FOV: 9° x 6.7°
- Narrow FOV: 3° x 2.2°
- Electronic zoom (x2): 1.5° x 1.1°

**Image resolution:**
- 754 x 576

**Thermal sensitivity:**
- NETp < 70 mK

**Boresighting:**
- Axis stability < 0.1 mrad

**Weight:**
- < 5.5kg

**Size:**
- 250 x 180 x 120 mm

**Video output:**
- 625 lines, 50 Hz

**Power supply:**
- 20 - 30 VDC, < 35 W

**Remote control:**
- 2 serial datalinks RS 422
- 1 serial datalink RS 232 (maintenance)

**Cooling:**
- Integrated Stirling rotary micro-cooler

**Temperature range:**
- Operating: -40°C to +55°C

**Environmental conditions:**
- Fully ruggedised / MIL STD 461 and MIL STD 810 - Military wheeled or tracked vehicles

**Range performance**
With actual targets

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