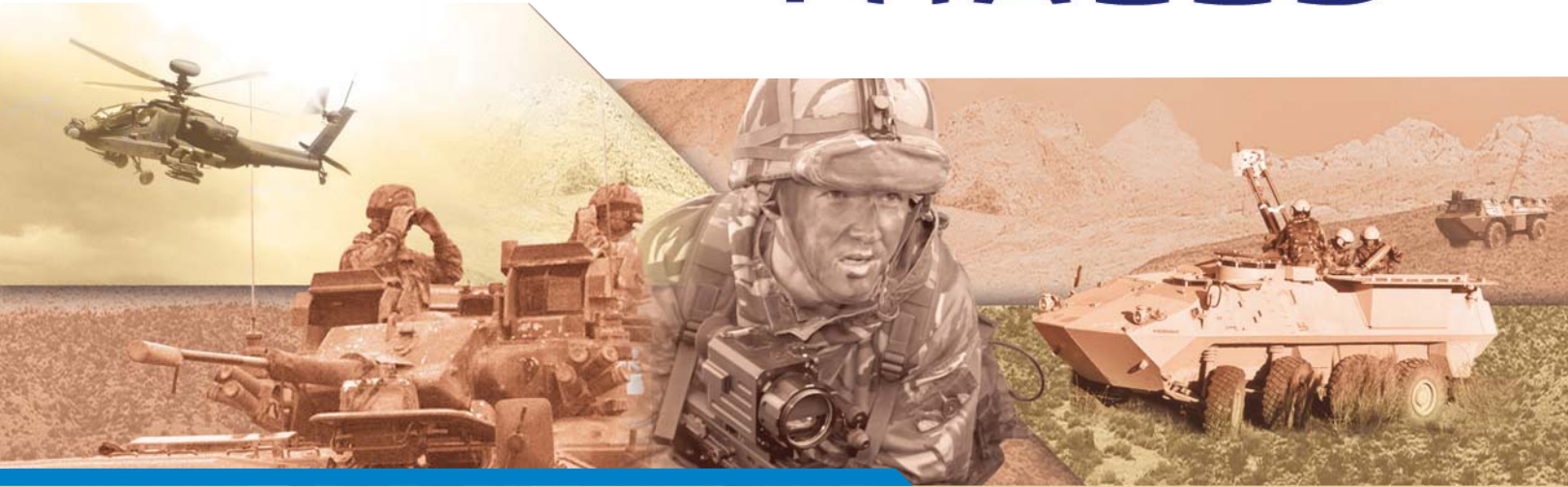


# THALES



## CATHERINE-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  $\mu\text{m}$  spectral band, the proven solution for the battlefield

# CATHERINE-FC

## Compact Thermal Imager

### MAIN FEATURES

- 8-12  $\mu\text{m}$ : 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  $\mu\text{m}$

#### Field of view (FOV):

- Wide FOV :  $9^\circ \times 6.7^\circ$
- Narrow FOV :  $3^\circ \times 2.2^\circ$
- Electronic zoom (x2) :  $1.5^\circ \times 1.1^\circ$

#### 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:

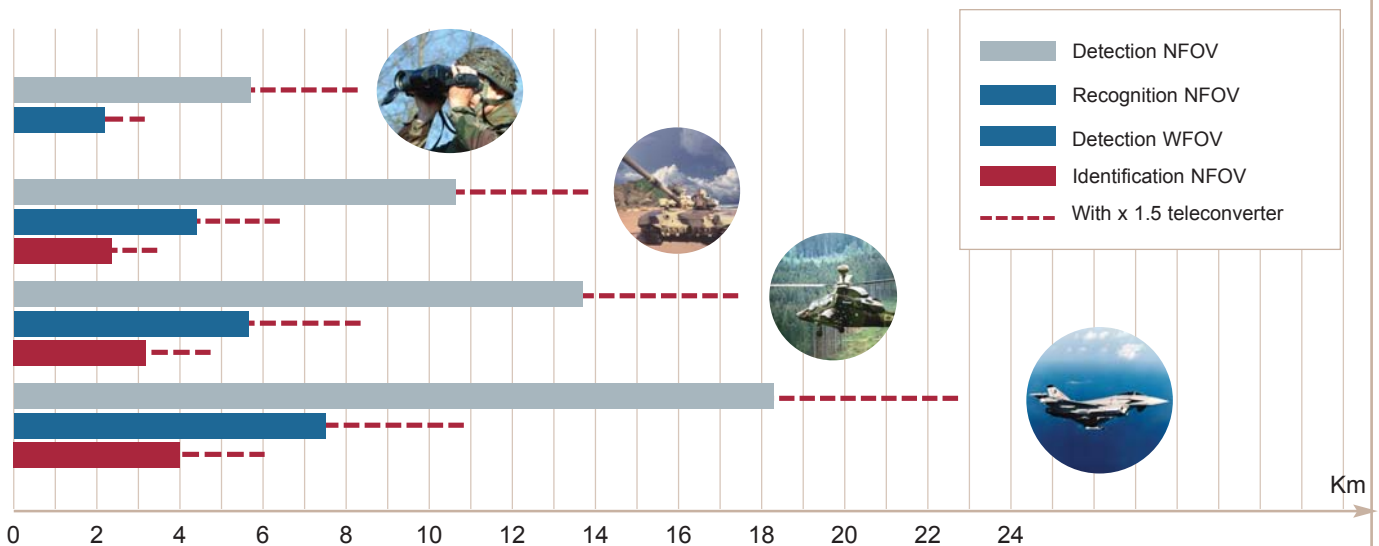
- Operating:  $-40^\circ\text{C}$  to  $+55^\circ\text{C}$

#### Environmental conditions:

- Fully ruggedised / MIL STD 461 and MIL STD 810 - Military wheeled or tracked vehicles



### > Range performance With actual targets



#### Thales

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