

# MATIS STD

MULTIPURPOSE

COOLED THERMAL IMAGER



- > EASY TO INTEGRATE IN VEHICLE SIGHTS & OBSERVATION SYSTEMS
- > FULLY QUALIFIED ON NUMEROUS PLATFORMS FOR DIRECT FIRE
- > OPERATIONALLY PROVEN IN THEATER



# MATIS STD

Multipurpose cooled thermal imager



**MATIS STD is a multipurpose thermal imager. Qualified to withstand severe firing shocks, MATIS STD provides superior line-of-sight stability and enhanced image quality even in demanding operational scenarios.**

In service on numerous land and naval platforms, MATIS STD is designed for integration into sights, observation/Fire Control Systems and fixed or mobile surveillance systems.

### Available configurations

An opto-mechanical  $\mu$ -scan is available as an option.

Additionally, MATIS STD can be provided with an installation kit including a control panel/ display monitor as well as inter-connection cables.

### MATIS family

MATIS STD benefits from Sagem's wide experience in 3<sup>rd</sup> generation 3-5  $\mu$ m thermal imagers, ensuring high quality, reliability and cost-efficiency throughout the life cycle.

Part of the MATIS family, MATIS STD is designed for applications requiring compactness and performance, such as carrier integration for observation, recognition, identification and fire control in land, air or naval environments.

### Technical specifications

#### Physical

- Weight:  $\leq$  4.5 kg
- Dimensions: 297 x 136 x 146 mm

#### Optronics

- Waveband: 3 to 5  $\mu$ m
- Fields of view (H): WFOV 12°, NFOV 2.5°, e-zoom x2
- NETD:  $\leq$  50mK at ambient temperature

#### Detector

- 320x240 matrix
- 640x480 resolution available with optional  $\mu$ -scan

#### Electrical

- Power supply: external 18 to 32V
- Consumption:  $\leq$  33W at ambient temperature
- Video output: CCR
- Remote control: RS422

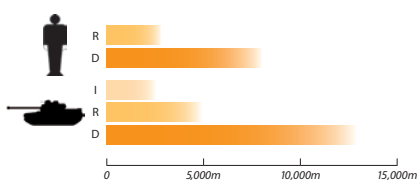
#### Environmental

- Climatic: -32°C to +64°C
- Qualified according to MIL-STD 810 & MIL-STD 461

#### Accessories

- Remote monitor & control panel

### MATIS STD ranges



I = Identification  
R = Recognition  
D = Detection

- Thousands in service worldwide
- Superior line-of-sight stability
- Cost efficiency over the life cycle

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