



MATIS STD

Multipurpose
cooled thermal imager

- > EASY TO INTEGRATE IN VEHICLE SIGHTS & OBSERVATION SYSTEMS
- > ADVANCED INTERFACE CAPABILITIES
- > FULLY QUALIFIED ON NUMEROUS PLATFORMS FOR DIRECT FIRE



MATIS STD

Multipurpose cooled thermal imager

MATIS STD is a multipurpose thermal camera. 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 (FCS) and fixed or mobile surveillance systems.

Available configurations:

MATIS STD offers 3 levels of performance, according to matrix size and the μ -scanning option:

- MATIS STD: 320x240 matrix without μ -scan
- MATIS STD+: 320x240 matrix with μ -scan
- MATIS STD-ER: 640x512 matrix without μ -scan

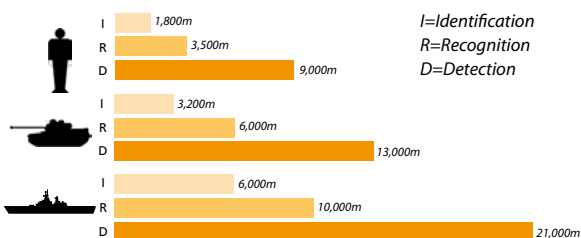
Additionally, MATIS STD can be provided with an installation kit including a control panel/display monitor as well as interconnection cables.



MATIS family

MATIS STD benefits from Sagem's wide experience in 3rd generation 3-5 μ m thermal imagers, ensuring high quality, reliability and cost-efficiency throughout the life cycle.

MATIS STD-ER typical ranges*



*Range typically reduced by 10% with MATIS STD+



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

- Thousands in service worldwide
- Superior line-of-sight stability
- Superior image quality
- Advanced interfaces: dynamic reticle generation, electronic image stabilization, digital video output



Technical specifications

Physical

- Weight: ≤ 4.5 kg
- Dimensions: 297 x 136 x 146mm

Optonics

- Waveband: 3 to 5 μ m
- Fields of view: WFOV 12°
NFOV 2.5°
electronic zoom x2
- NETD: ≤ 55 mK at ambient temperature

Detector

- From 320x240 to 640x512 matrix with or without μ -scan

Electrical

- Power supply: external 18 to 32V
- Consumption: ≤ 33 W at ambient temperature
- Video output: CCIR (RS170 & digital video options according to SMPTE-259M)
- Remote control: RS422

Environmental

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

Accessories

- Remote monitor & control panel

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