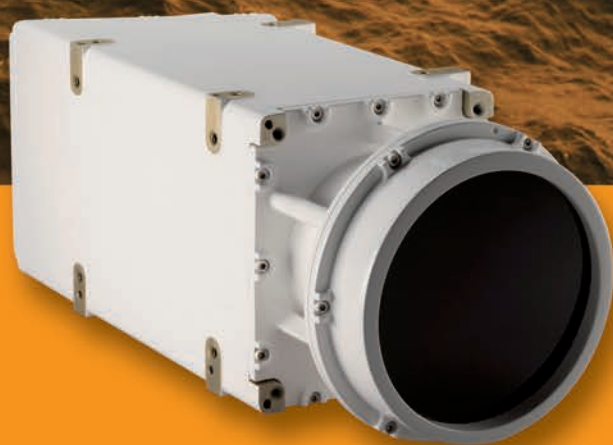


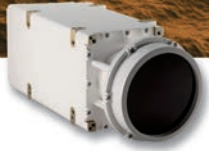
MATIS LR

LONG-RANGE

COOLED THERMAL IMAGER



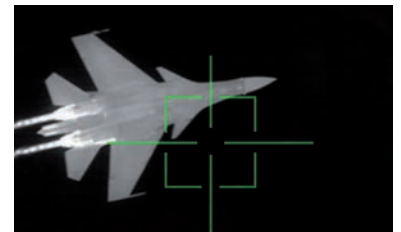
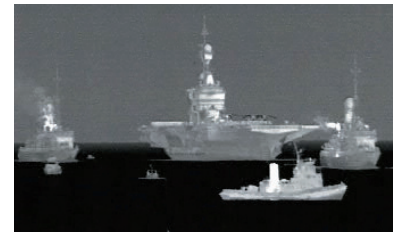
- > LONG-RANGE OBSERVATION & FIRE CONTROL
- > IDENTIFICATION OF SMALL-SIZED THREATS (PEDESTRIANS, DINGHY BOATS, ETC.)
- > OPERATIONALLY PROVEN IN THEATER



MATIS LR

Long-range cooled thermal imager

MATIS LR is a cooled thermal imager with a powerful dual field-of-view optics. Qualified to withstand severe firing shocks, MATIS LR provides superior line-of-sight stability and a long identification range of small size threats.



Easy to integrate into, weapon systems and gyro-stabilized gimbals, MATIS LR is dedicated to long-range naval, land or airborne applications: border surveillance, fire control, artillery observation, area defense missions, search and rescue operations.

Available configurations

An opto-mechanical μ -scan is available as an option. Additionally, MATIS LR can be provided with an installation kit including a control panel/display monitor as well as inter-connection cables.

MATIS family

MATIS LR 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.

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

Technical specifications

Physical

- Weight: ≤ 6.7 kg
- Dimensions: 390 x 152 x 146 mm

Optronics

- Waveband: 3 to 5 μ m
- Fields of view (H): WFOV 6.2°, NFOV 1.3°, e-zoom x2
- NETD: ≤ 50 mK (at ambient temperature)

Detector

- 320x240 matrix
- 640x480 resolution available with optional μ -scan or VGA detector

Electrical

- Power supply: external 18 to 32V
- Consumption: ≤ 33 W (at ambient temperature)
- Video output: CCIIR
- Remote control: RS422

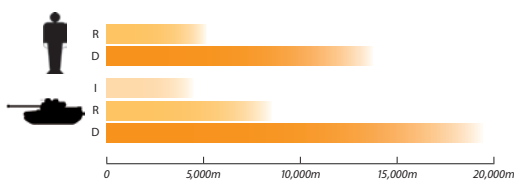
Environmental

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

Accessories

- Remote monitor & control panel

MATIS LR ranges



I = Identification
R = Recognition
D = Detection

- Operational in any type of climate
- Superior line-of-sight stability
- Long-range identification of small size targets
- Cost efficiency over the life cycle

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