



MATIS LR

3rd Generation Cooled Thermal Imager

- Long-range camera
- Integration in high-end optronic systems: gimbals and sights
- High recognition range

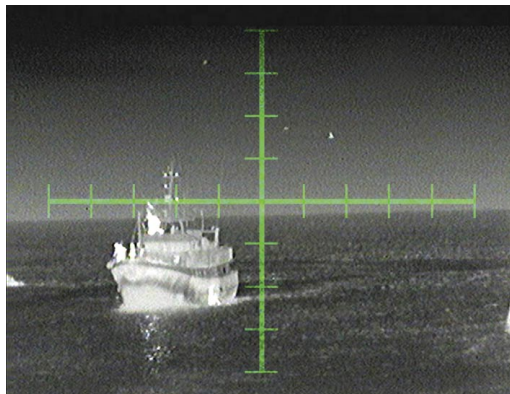


Sagem Défense Sécurité
SAFRAN Group



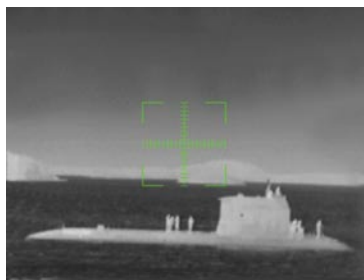
MATIS LR

3rd Generation Cooled Thermal Imager



MATIS LR has powerful optics and a 2x2 micro-scan, making it ideally suited for high-resolution applications. It is dedicated to high performance and long-range applications. MATIS LR provides day and night observation capability when mounted on various platforms or gimbals

for aircraft, helicopters, surface ships or vehicles, for coastal surveillance, long-range border surveillance, artillery observation, fire-control systems, etc.



Technical characteristics

Physical

- Weight without cells ≤ 6kg
- Overall dimension: 390x152x146mm
- Noise level: inaudible at 50m

Optronic

- Waveband: 3 to 5µm
- Fields of view: WFOV 6.2° x 4.2°
NFOV 1.3° x 0.9°
electronic zoom x 2
- NETD ≤ 50mK at ambient temperature

Electrical

- Power supply: External 18 to 32V
- Consumption: ≤ 28W at ambient temperature
- Video output: CCIR (RS170 and digital video options)
- Remote control: RS422

Environmental

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

Accessories

- Remote monitor and control panel
- Interconnection set of cables.



Performances depending on meteorological conditions.

