

SATIS XLR

ADVANCED LONG-RANGE COOLED THERMAL IMAGER



- > IDEALLY SUITED FOR HIGH-END LAND & NAVAL PLATFORMS
- > HIGH OPTRONIC PERFORMANCE
- > LARGE FORMAT DETECTOR
- > ULTIMATE IMAGE PROCESSING



SATIS XLR

Advanced long-range cooled thermal imager

SATIS XLR is a long-range, advanced thermal imager, featuring powerful continuous optical zoom, a large format detector and sophisticated image processing.

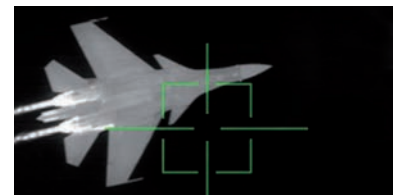
Utilizing the best of technology, SATIS XLR is dedicated to high-performance and long-range naval, land or airborne applications, where ultimate performance is required.

Available configurations

SATIS XLR features a 640x512 matrix detector & optional opto-mechanical μ -scan. SATIS XLR incorporates ultimate image processing such as local gain control, noise reduction & image stabilization.

SATIS family

SATIS are a 4th generation thermal imagers, capitalizing on Sagem's 30 years experience in thermal technology, and the success of the MATIS product line of thermal imagers.



Technical specifications

Physical

- Weight: 6kg
- Dimensions: 384 x 150 x 142 mm

Optonics

- Waveband: 3 to 5 μ m
- Fields of view (H): continuous/pre-set optical zoom 0.95° - 7.53°
- NETD: \leq 25mK at ambient temperature (with image processing)

Detector

- 640x512 matrix
- 1280x1024 resolution available with optional μ -scan

Processing functions

- Global/local gain control
- Continuous e-zoom up to x8
- Autofocus
- Digital image stabilization
- Noise reduction
- Super-resolution

Electrical

- Power supply: external 18 to 32V
- Consumption: \leq 40W at ambient temperature
- Video output: CCIR and digital
- Remote control: RS422

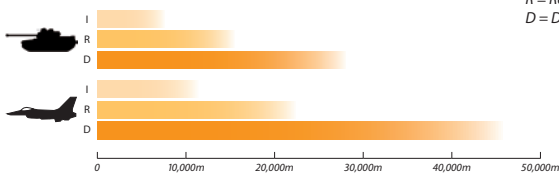
Environmental

- Climatic: -40°C to +64°C
- Qualified according to MIL-STD 810 & MIL-STD 461

Accessories

- Remote monitor & control panel

SATIS XLR ranges



I = Identification
R = Recognition
D = Detection

- Large format detector
- Very narrow field of view
- Continuous optical zoom
- Advanced image processing
- Long-range identification on small targets

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