

# SATIS UC

## ADVANCED UNCOOLED THERMAL IMAGER



- > OBSERVATION, SIGHTS & WEAPON STATIONS
- > ADVANCED & COST-EFFECTIVE
- > HIGH RELIABILITY





# SATIS UC

## Advanced uncooled thermal imager

**SATIS UC is a medium-range thermal imager providing an affordable, advanced and reliable solution for various land and naval applications.**

Utilizing the best of technology, SATIS UC is designed for medium-caliber, remote controlled weapon stations, sights and border surveillance where reliable performance is required.

### Available configurations

SATIS UC features a 640x480 matrix detector and incorporates ultimate image processing such as local gain control, noise reduction and image stabilization.

### SATIS family

SATIS are a 4<sup>th</sup> 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: ≤ 5kg
- Dimensions: 300 x 150 x 137 mm

#### Optronics

- Waveband: 8 to 12μm
- Fields of view (H): WFOV 13.2°, NFOV 4.5°
- NETD: ≤ 50mK at ambient temperature (with image processing)

#### Detector

- 640x480 matrix
- 1280x960 resolution available with 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: ≤ 25W at ambient temperature
- Video outputs: CCIR and digital
- Remote control: RS422

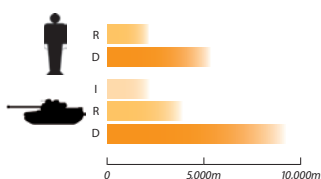
#### Environmental

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

#### Accessories

- Remote monitor & control panel

### SATIS UC ranges



- Uncooled thermal & affordable
- Large format detector
- Advanced image processing