



MATIS HANDHELD

Cooled infrared binoculars

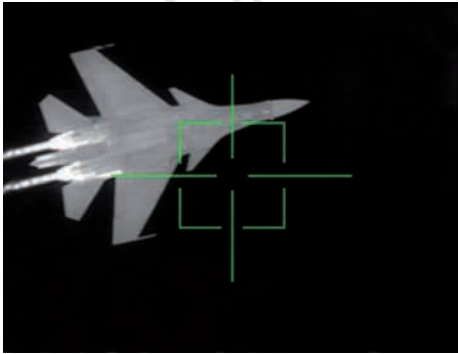
- > SELF-POWERED
- > SURVEILLANCE, OBSERVATION & TARGET LOCATION
FOR FORWARD ARTILLERY OBSERVERS
- > SUITABLE FOR ANTI-AIRCRAFT MISSILE FIRING



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Cooled infrared binoculars

Compact and ergonomic, MATIS HH (Handheld) provides outstanding day/night operational capabilities in terms of observation, forward reconnaissance and target location. In addition to its infrared vision, MATIS HH offers stabilized observation and image recording.



Intended for day and night observation posts, MATIS HH is perfectly suited for highly mobile operators, such as Forward Artillery Observers, infantrymen and platoon leaders. When integrated with a goniometer, MATIS HH is an effective tool for artillery observation, ensuring accuracy in even the most severe conditions.

Furthermore, MATIS HH is an affordable solution for medium-range anti-aircraft missile launchers. Its high-quality image display enables consistent day and night target detection and engagement. On demand, Sagem can supply the complete system.



Accessories

Logistic container, tactical bag, battery charger, add-on optics (FOV enlarger & reducer), tripod, remote control & display unit.

Technical specifications

Thermal imager

- Waveband: 3 to 5µm
- WFOV: 9° x 6°
- NFOV: 3° x 2°
- Digital zoom x2
- NETD: ≤ 50mK (at ambient temperature)

Physical

- Weight (without battery) < 2.5kg
- Size: 353 x 200 x 103mm (L x W x H)
- Noise level: inaudible at distance of 50m

Interfaces

- Power supply: battery packs (primary or rechargeable) or external
- Autonomy ≥ 3 hours (at ambient temperature with rechargeable battery)
- Video output: CCIR (RS170 option)
- Remote control: RS422

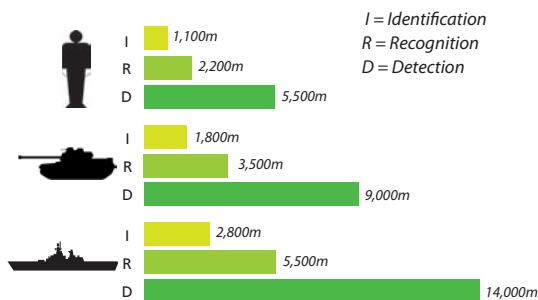
Environmental

- Climatic: -32°C + 55°C
- Qualified according to MIL-STD 810 and MIL-STD 461

- 5,000 units in service worldwide
- Adequate range & interface for artillery target location systems
- Proven performance at missile firing
- Wide range of accessories available



Typical ranges



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