

Sophie Optima

The 4-in-1 Handheld
Target Locator Module

Sophie, The experience for operational
superiority since 1996

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The 4-in-1 Handheld Target Locator Module for Platoon Leader



Tactical Superiority Night and Day

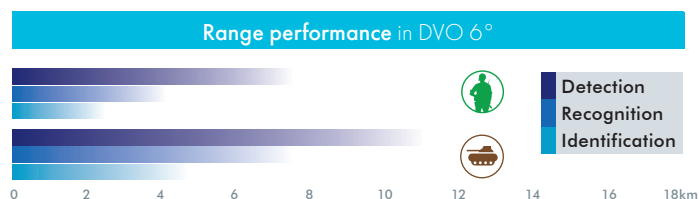
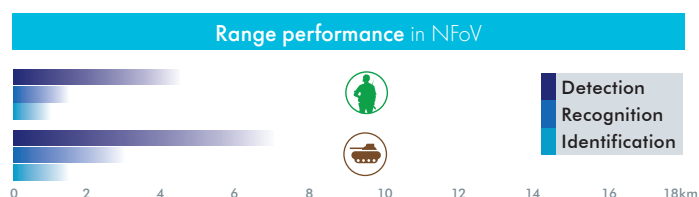
Detect sooner, identify further, engage faster. 4-in-1 solution in only 2.5 kg with the advantages of uncooled technology & day capability. Sophie Optima opens up the universe of collaborative combat and portable GNSS denied geolocation with unbeatable disruptions. You can rely on it!

Applications

- Contact platoon leaders
- Homeland Security
- Integration in land systems
- Contribution to the collaborative airland bubble

Features and Benefits

- **4 functions in 1 cyber-secure solution**
 - Day & Night observation
 - Day & Night Target location
- Smart digital options
- **The uncooled technology advantages** at the long range cooled performances (reliability, stealth, quick start)
- **Detect sooner** at a glance with larger IR field of view (22°)
- **Detect & Identify further by day** with unique glass day channel 7x35 associated with IR image fusion for decamouflage
- **Designed for the air-land Collaborative Combat**, thanks to a state-of-the-art connectivity, ad hoc NATO standards (for example STANAG 4609) and augmented reality capacity
- **GNSS denied resilience**
- **Cyber-secure by design: secured access, integrity ch user data protection**
- **Reliability and lower through-life costs**
 - Family including shared training, accessories & maintenance
 - Back-up mode, no batteries



Technical Characteristics

High Definition IR Channel (LWIR)

- Field of View: 22° (optical) - 10° (optical) - 3° (electronical)
- Electronic zoom
- Sensor resolution: SXGA, 12 µm pitch

Day Channel

- Glass day channel 7x35, field of view Ø6°
- IR image fusion for decamouflage
- Colour TV channel for recording & transmission
- Backup mode: stadimetric reticule

Target location

- Laser Range Finder (eye-safe): 5 km
- Digital Magnetic Compass
- Embedded C/A multi-constellation GNSS + external NMEA connection

NIR laser pointer (option)

Seespot & seepointer (options)

Advanced features

- MMI optimised for users & configurable
- Image stabilisation, autofocus
- Multimode Image Fusion
- Image & video recording on extractible µSD card
- Safety features

Power management

- Rechargeable COTS battery with capacity adapted to all missions
- Battery life:
 - infinite for day observation
 - >4 h (full functions) depending on user profile
- Integrated battery charger 9-32 V

Interfaces

- USB2 (image & video download)
- Bluetooth, Wi-Fi
- Ethernet 1000 Base T (C2, STANAG 4609 video, remote maintenance)
- HD-SDI
- DAGR/PLGR RS232

Physical characteristics

- Weight: 2.5 kg +/- 10% in full combat configuration excluding options (including battery)
- Airborne operations friendly
- Environment: MIL STD 810 & MIL STD 461