

Sophie Optima The 4-in-1 Target Locator in 2.5kg for Contact Platoon Leaders

Sophie, The experience
for operational superiority
since 1996



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The 4-in-1 Target Locator in 2.5kg for Contact Platoon Leaders



TACTICAL SUPERIORITY NIGHT AND DAY

Detect sooner, identify further, engage faster. 4-in-1 solution in only 2.5kg with the advantages of uncooled technology & day capability. Sophie Optima opens up the universe of collaborative combat 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 cybersecured solution** in 2,5kg +/- 10% (in combat configurations according options)
 - 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.
- **Lower through-life costs, be reliable & resilient**
 - Family including shared training, accessories & maintenance.
 - HUMS (maintenance on alert, no scheduled maintenance).
 - High reliability.
 - Back-up mode, no batteries.

TECHNICAL CHARACTERISTICS

High Definition IR Channel (LWIR)

- Dual FoV 10°-22°
- Electronic zoom
- Sensor resolution: SXGA, 12µm 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 batteries
- Battery life >4h depending on user profile

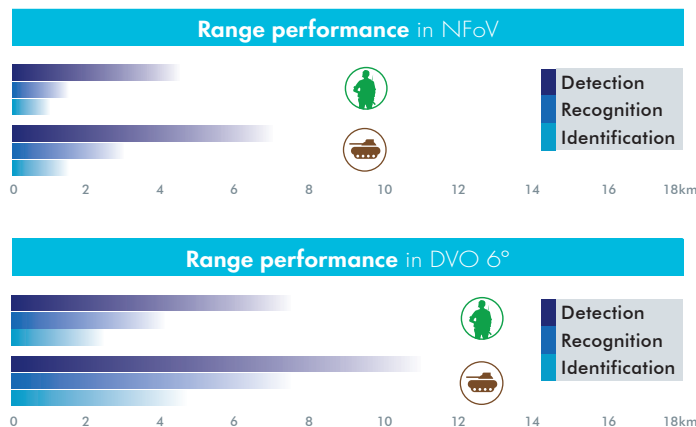
(*) Integrated battery charger 9-32V

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



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