

Sophie Ultima The 4-in-1 Target Locator in 2.5kg for Extended Ranges

Sophie, The experience
for superiority since 1996



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The 4-in-1 Target Locator in 2.5kg for Extended Ranges



ULTIMATE SUPERIORITY NIGHT AND DAY

Detect sooner, identify further, engage faster.

4-in-1 solution in only 2.5kg, with unsurpassed cooled technology and day capability for special and specialized tactical leaders. Sophie Ultima opens up the universe of collaborative combat and portable GNSS denied geolocation with unbeatable disruptions. You can rely on it!

APPLICATIONS

- Special and specialized tactical leaders
- Homeland Security
- Integration in land systems
- Contribution to the collaborative airland bubble

FEATURES AND BENEFITS

- 4 functions in 1 cyber secured solution in 2.5kg:**
 - Day & Night observation
 - Day & Night Target location
 - Smart digital options
- Detect sooner** at a glance with larger IR field of view (20°).
- Identify further, engage sooner** and not only recognise
 - Very narrow optical field of view (2°) for longer range and positive ID
 - Continuous optical zoom: never lose sight of the target.
- Detect & Identify further by day** with unique glass day channel 7x35 associated with IR image fusion for decamouflage.
- Enable Collaborative Combat:** with digital connectivity, STANAG 4609 video and augmented reality through a HMI designed with users.
- Become modular, scalable, open**
 - eXtension concept for mission/function package and future capability upgrades.
 - Open, modular architecture for easy customisation.
- Lower through-life costs, be reliable & resilient**
 - Family including shared training, accessories & maintenance.
 - HUMS (maintenance on alert, no scheduled maintenance).
 - High reliability, MTBF > 10 000h
 - Back-up mode, no batteries.

TECHNICAL CHARACTERISTICS

IR Channel (MWIR)

- Optical Zoom 2°-20°
- Sensor resolution: 640x512
- Turn-on time (cooldown): 3mn

Day Channel

- Glass day channel 7x35, field of view Ø6°
- IR image fusion for decamouflage
- Colour TV channel for recording & transmission
- Turn-on time: 0-10s
- Backup mode: stadimetric reticule

Target location

- Laser Range Finder (eye-safe): 10 km (NATO Tank, visibility 15 km)
- Digital Magnetic Compass
- Embedded C/A GPS + external NMEA connection

NIR laser pointer (option)

Seespot & seepointer (options)

- Laser pointers and designator display

eXtension concept

Easy customisation through add-on concept for plug & play added features and scalability

Advanced features

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

Power management

- Rechargeable COTS batteries
- Battery life >4h
- Integrated battery charger 9-32V

Interfaces

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

Physical characteristics

- Weight: 2.5 kg (with battery 4h)
- Airborne operations friendly
- Environment: MIL STD 810 & MIL STD 461



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