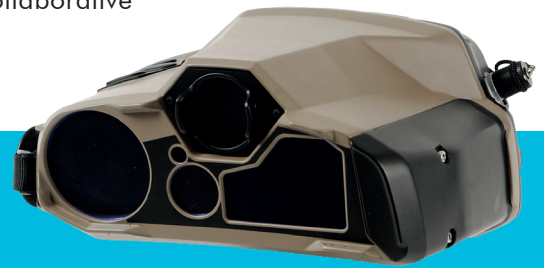


IMAGE SUPERIORITY IN THE AREA OF CONTACT

- Tactical superiority night and day: detect sooner, identify further, engage faster. With 4-in-1 lightweight solution for dismounted soldiers, naval special ops and paratroopers, the Sophie Ultima opens up the universe of collaborative combat with unbeatable versatility. You can rely on it!

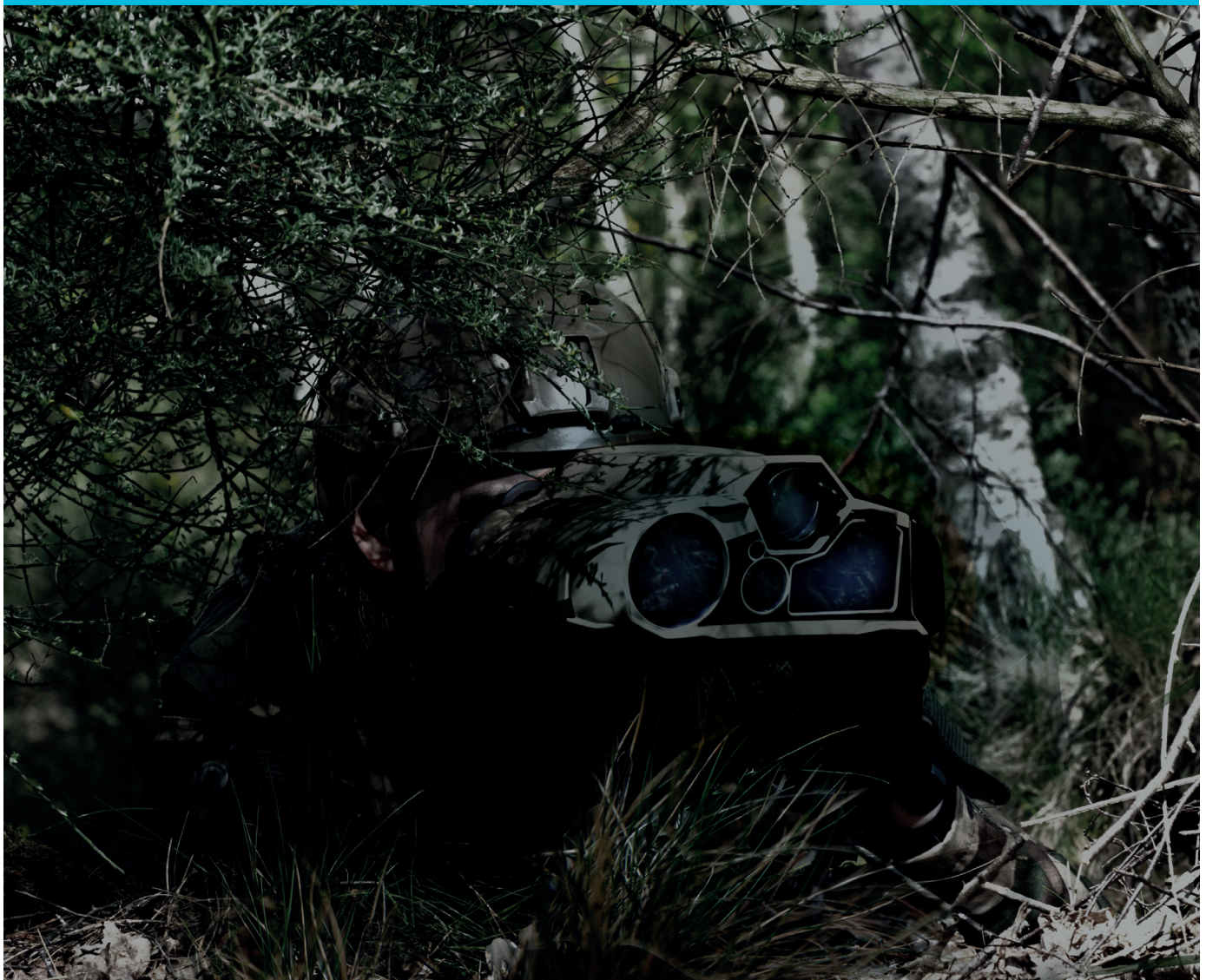


SOPHIE ULTIMA

Night & Day

4-in-1 in 2.5kg Ultimate Target Locator

Sophie, The experience for superiority since 1996





SOPHIE ULTIMA

Night & Day

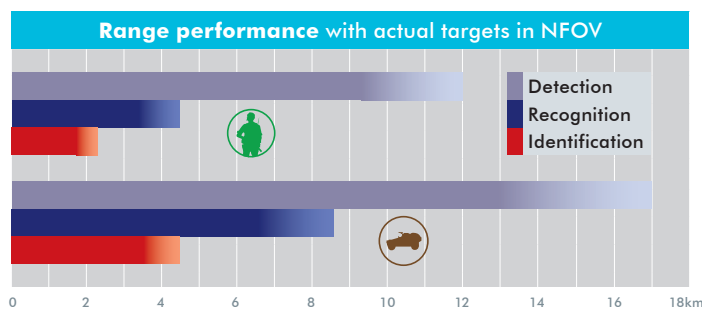
4-in-1 in 2.5kg Ultimate Target Locator

APPLICATIONS

- > Tactical superiority for Platoon leaders, Special Forces & specialists
- > Homeland Security
- > Integration in land systems

FEATURES AND BENEFITS

- > **4-in-1 in 2.5kg**: the true lightweight equipment.
 - 1) Target locator, 2) Tele-converter,
 - 3) Day LRF, 4) Tactical binocular.
- > **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 (cool-down): 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

See spot

Laser pointers and designator display

Target location

- > Laser Range Finder (eye-safe): 8 km (NATO Tank, visibility 20km)
- > Digital Magnetic Compass
- > Embedded C/A GPS + external NMEA connection

eXtension concept

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

Laser Pointer (option)

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