

# SOPHIE-LR Long Range Hand-Held Binoculars / Thermal Imager

Sophie, the experience  
for superiority since 1996

A soldier wearing a camouflage helmet and uniform is shown from a high angle, looking through the Sophie-LR binoculars/thermal imager. The soldier is positioned in a field of tall, dry grass. The device is held in front of the soldier's face, and the soldier's hands are visible on the device. The background is a natural, outdoor setting with trees and grass.

# SOPHIE-LR

## Long Range Hand-Held Binoculars / Thermal Imager



### THE REFERENCE IN HAND-HELD BINOCULARS AND THERMAL IMAGER

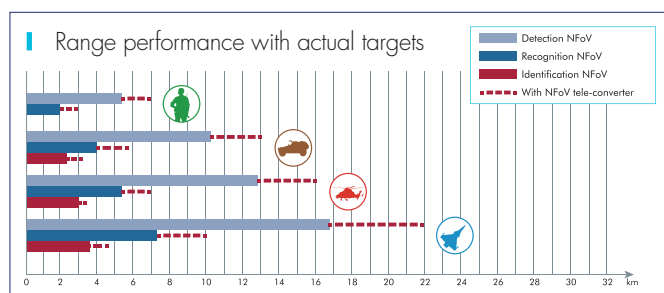
- Seeing in all conditions is your priority ? Thanks to its LWIR technology Sophie-LR gives you the advantage to go through "obscured battlefield" such as fog, oil smoke and dust penetration but also against the sun target detection and improved daytime target recognition. Sophie-LR is the long range Thermal Imager for the battlefield and adverse conditions.

### APPLICATIONS

- Border & Coastal Surveillance
- Critical infrastructures
- Law Enforcement, Police
- Anti-terrorism
- Special operations
- Dismounted soldier
- Search & rescue

### FEATURES AND BENEFITS

- LWIR cooled technology** for long range observation on the "obscured battlefield": insensitive to battlefield obscurants, solar dazzle etc.
- Image stabilisation**: easy observation even under harsh conditions
- Easy to use**: direct access (buttons) to main functions, menu with joystick



### TECHNICAL CHARACTERISTICS

#### IR Channel (LWIR)

- Spectral band: LWIR (8–12  $\mu\text{m}$ )
- Field of view:
  - WFOV:  $8^\circ \times 6^\circ$
  - NFOV:  $3.2^\circ \times 2.4^\circ$
  - Electronic zoom (2x):  $1.6^\circ \times 1.2^\circ$
- Turn-on time (cool-down): 5 min
- Power supply**: Batteries or external power supply
- Remote control**: RS-422 serial data link
- Battery life**: > 5h with rechargeable battery
- Weight**: 2.4 kg (without battery)
- Size**: 320 / 260 / 120 mm (with eye cup)
- Temperature range**: Operating:  $-40^\circ\text{C}$  to  $+55^\circ\text{C}$
- Environmental conditions**: Fully ruggedised / MIL-STD-461 and MIL-STD-810 - Military wheeled vehicles

### ACCESSORIES

- Tripods, displays
- Rechargeable batteries
- Battery chargers
- AC or DC converters
- Narrow FoV ( $2^\circ$ ) tele-converter
- Wide FoV ( $20^\circ$ ) tele-converter for operation in urban area
- Transmission and tele-operation
- Integrated Hand-Held Display / remote control box (POP6)