

# SOPHIE-ZS

## Hand-Held Thermal Imager with continuous Optical Zoom

Sophie, the experience  
for superiority since 1996



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### THE FARVIEW HAND-HELD THERMAL IMAGER

Because night vision is spreading Sophie-ZS with its unique image quality, longer range and better situational awareness offers you the tactical superiority. Design around wide aperture optics with continuous optical zoom, Sophie-ZS offers robustness in all conditions and harsh environments: you can rely on it.

### APPLICATIONS

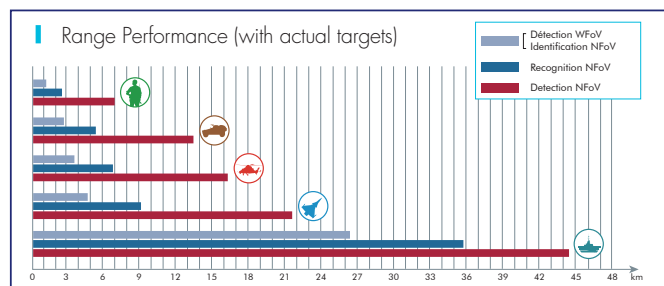
- | Border & Coastal Surveillance
- | Critical infrastructures
- | Law Enforcement, Police
- | Anti-terrorism
- | Special operations
- | Dismounted soldier (section leaders)
- | Search & rescue

### FEATURES AND BENEFITS

- | **Continuous Optical zoom** allowing field of view optimisation from 15° (for faster detection including in urban canyon) to 2.5° (for long range operation), and never lose sight of the target.
- | **Ready for system integration and image/data transmission** thanks to "open world" interfacing (USB, Ethernet...) such as video transmission through Rover 5i (hand-held transceiver from L3COM) and ST@R MILLE (advanced radio for soldier from Thales), and data/images on Mobile Phone Network (ISTARG PDA).

### ACCESSORIES

- | Tactical bag
- | Logistic container
- | Tripod (Pan & Tilt)



- | Integrated hand held display / remote control box
- | POP6
- | Data and video cables
- | Rechargeable batteries
- | Battery chargers
- | AC or DC converters

### TECHNICAL CHARACTERISTICS

#### IR channel (MWIR)

- | Spectral band: MWIR (3–5  $\mu$ m)
- | Field of view:
  - WFOV: 15° x 11.2°
  - NFOV: 2.5° x 1.9°
  - Continuous zoom: x6
  - Magnification: 2.1x to 12.8x
  - Electronic zoom: 2x
- | Turn-on time (cool-down): 3 min 30 typical
- | **Video output:** CCIR analogue video, HDMI digital video
- | **Mission reporting:**  
Images and video capture: 1000 pictures, 2 Go
- | **Weight:** 2.4 kg (without battery)
- | **Size:** 320 / 260 / 120 mm (with eye cup)
- | **Power supply:** 9 VDC
- | **Remote control:** RS-422 serial data link, Ethernet, USB
- | **Battery life:** > 7 to 8h with a single battery

**Temperature range:** Operating: -32 °C to +55 °C

**Smart Maintenance:** Internet remote maintenance

- | On-line embedded maintenance
- | RFID management capability
- | Integrated webserver / http protocol.