SOPHIE UF
Multifunction Surveillance & Target Locator

Integrated Multi-function Solution

APPLICATIONS
• Infantry Fire Control (MFC, FOO, JTAC)
• Target Detection and Recognition
• Reconnaissance
• Surveillance
• Force Protection
• Homeland Security

FEATURES
• High Resolution Uncooled Thermal Imager (8-12μm)
• High Performance Optical Day Sight (x6)
• Miniature Eye-safe Laser Rangefinder
• Internal P(Y) code or C/A code GPS
• Digital Magnetic Compass
• Advanced Target Management (including Fall of Shot and Target Cueing)
• Advanced intuitive user-friendly interface

The Eyes of the Modern Soldier

www.thalesgroup.com
**Overview**

Sophie UF revolutionises Surveillance, Reconnaissance and Target location operations. Sophie UF is a hand-held, lightweight, fully integrated multi function system, which allows the user to detect, recognise, identify and locate targets. The system provides silent operation, advanced target management and storage capability and battle winning functionality including “fall of shot correction” and “target cueing”. This combined with its intuitive user-friendly interface and leading edge technology makes Sophie UF the preferred in-service hand-held Target Locating system for the UK Army.

**Features and Benefits**

- High Resolution Thermal Imager (8-12 μm) & Optical Day Sight delivering unmatched range performance and image quality.
- Lightweight & hand-held, reducing fatigue & enabling users the freedom to utilise safe observation positions & move rapidly between tasks.
- Advanced Target Management, Classification and Image Storage which can be exported via communications.
- Target cueing function allowing rapid re-acquisition of previous targets, improving situational awareness.
- Silent operation & fast into action (start-up) time facilitating high tempo & covert operations.
- Intuitive user-friendly interface maximising operator effectiveness in battlefield situations.
- Provided with an optional set of operational accessaries eg soft tactical bags, hard logistic containers, external cables, tripod & pan & tilt head.

**Technical Specifications**

**Thermal Imager**
- Sensor Type: 640 x 480 (VOx or Amorphous Silicon)
- Spectral Band: 8-12μm
- Field of View: 7°
- E Zoom: 3 x
- Autofocus

**Optical Day Sight**
- Magnification: 6 x
- Field of View: 7°

**Laser Rangefinder**
- Laser type: ErYb:Glass
- Wavelength: 1535nm
- Range: 20m - 19995m

**GPS**
- Internal: P(Y) code or C/A code.
- External: Supports DAGR/PLGR plug-in.

**Digital Magnetic Compass/Inclinometer**
- DMC Type: Magnetoresistive 0.5° (1σ)
- Inclinometer Type: Gravity Sensor 0.1° (1σ)

**Physical**
- Dimensions: 205 x 280 x 115 mm
- Weight: 3.4 kg
- Mounting: Quick release mount

**Power / Life**
- Internal: LI AAs > 8 hours usage
- External Battery: BA5590 or similar >24hrs usage
- Vehicle/Generator: AC/DC or DC/DC converter

**Outputs**
- Imaging & Data display: Projected into eyepiece
- External Video Connectors: PAL or NTSC
- External Power: RS232/422 communications, Video

**Environmental**
- Operating Temp.: -31°C to +55°C
- Qualification Standard: MIL-STD 810 / DEFSTAN 00-35

**Acoustic Noise**
- Aural Non Detectable 5m