Because Night vision is spreading Sophie-XF with its unique image quality, longer range and better situational awareness offers you the tactical superiority. Design around wide aperture optics and high performance LRF, Sophie-XF offers Robustness in all conditions and harsh environments: you can rely on it.
OVERVIEW
SOPHIE-XF is a long range Day/Night Target Locator with outstanding image quality associated to autofocus continuous optical zoom and image stabilisation allowing continuous target observation and accurate targets location in one click, even on the move.

APPLICATIONS
- Platoon leaders
- Special Forces
- Fire Support (FAC/JTAC & FOB)
- Search & Rescue
- Integration in systems such as ATGM, LTD, Surveillance or Target
- Acquisition Systems on tripod, gunshot detection systems, mast mounted on-board vehicles etc.
- Homeland Security

FEATURES AND BENEFITS
- EasyLoc: on the move observation and target location thanks to high performance image stabilisation and high power single pulse Laser allowing Laser Range Finding even in stabilisation mode.
- Continuous Optical zoom allowing field of view optimisation from 15° (short distance for urban operation) to 2.5° (for long range operation), and continuous target observation without blanking.
- 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 (ISTAR-G PDA).

TECHNICAL CHARACTERISTICS

IR channel
- Spectral band: MWIR (3-5 μm)
- Field of view (continuous optical zoom):
  - WFoV: 15° x 11.2° (magnification 2.1x)
  - NFoV: 2.5° x 1.9° (magnification 12.8x)
  - Electronic zoom: 2x (mag. 25x)
- Turn-on time (cool-down): 3 min 30 typical

Colour TV channel:
- Field of view: 3.7° x 2.8° (magnification 8.6x)

Eye-safe Laser range-finder:
- True Laser, single pulse, range > 10 km

Digital Magnetic Compass:
- Azimuth accuracy: 0.5°
- Elevation accuracy: 0.2°

GPS receiver:
- Integrated C/A GPS+ external NMEA connection

Laser Pointer (option)

Mission reporting:
- Images and video capture: 1000 pictures, 2 Go
- Direct memory download on USB stick

Video outputs:
- CCIR analogue video, HDMI digital video

Remote control:
- RS-422 serial data link, Ethernet, USB

Battery life: > 6h
Weight: 3.5 kg
Size: 310 x 250 x 110 mm
Temperature range: Operating: -32 °C to +55 °C
Smart maintenance: Internet remote maintenance