THE REFERENCE IN HAND-HELD BINOCULARS AND THERMAL IMAGER

- Day & night passive operation
- 754 x 576 high resolution, stabilised image
- Image capture, mission reporting
- Detection of camouflaged targets
- 8 - 12 μm spectral band, insensitive to solar dazzle and battlefield obscurants
- In service worldwide - combat proven

LONG RANGE HAND-HELD BINOCULARS / THERMAL IMAGER

SOPHIE-LR
CHARACTERISTICS

**Spectral band:** 8-12 μm

**Field of view (FoV)**
- Wide FoV: 8° x 6°
- Narrow FoV: 3.2° x 2.4°
- Electronic zoom (2x): 1.6° x 1.2°

**Image resolution**
- 754 x 576

**Thermal sensitivity (NETp)**
- < 50 mK

**Boresighting**
- Axis stability < 0.6 mrad

**Weight**
- 2.4 kg

**Size**
- 250 x 250 x 110 mm

**Video standard**
- 625 lines or 525 lines (SMPTE 170M)

**Power supply**
- Batteries or external power supply

**Battery life**
- > 5 hours with rechargeable battery

**Remote control**
- RS-422 serial datalink

**Cooling**
- Integrated micro-cooler, rotative Stirling type

**Cooldown time**
- < 5 min

**Internal display**
- OLED

**Temperature range**
- Operating: -40 °C to +55 °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°) teleconverter
- Wide FoV (20°) teleconverter for operation in urban area
- Transmission and tele-operation
- Integrated Hand-Held Display/remote control box (POP6)