

# THALES



## SOPHIE - ZS

Hand Held Thermal Imager  
with Continuous Optical Zoom



### The FarView Handheld Thermal Imager

- Day & night passive operation
- Optical zoom 2.5°/15° autofocus
- Image stabilisation
- Image and video capture, mission reporting
- 3 - 5  $\mu\text{m}$  spectral band

### Applications

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



# SOPHIE - ZS

## Hand Held Thermal Imager with Continuous Optical Zoom

With more than 8000 SOPHIE cameras in operation in 45 countries, Thales is extending the capability of the SOPHIE family with a new thermal imager dedicated to long range surveillance.

A high quality optical zoom provides a wide field of view allowing detection in urban environments or at a short range through to identification at long range with precise image continuity. In addition, it integrates an ergonomic Human-Machine Interface (HMI) and new communications which facilitate mission reporting.

As a world leader in the design of thermal imagers, Thales has incorporated in this camera most recent infrared and optical technologies to deliver the optimum solution for surveillance applications.

### TECHNICAL CHARACTERISTICS

#### Spectral band

- MWIR (3 - 5  $\mu$ m)

#### Field of View (FoV)

- Wide FoV: 15° x 11.2°
- Narrow FoV: 2.5° x 1.9°
- Continuous zoom: x6
- Magnification: x 2.6 to x 16
- Electronic zoom: x2

#### Image resolution

- 384 x 288

#### Thermal sensitivity (NETD)

- Typical 30 mK

#### Weight

- 2.4 kg

#### Size

- 310 mm x 250 mm x 110 mm

#### Video output

- HDMI

#### Power supply

- 9 VDC

#### Battery life

- Typical 7 to 8 hours with a single battery

#### Images and Video capture

- 1 000 photos, 2 Go

#### Remote control

- RS 422 serial datalink / ethernet datalink / USB

#### Cooling

- Integrated micro-cooler, rotative stirling

#### Cooling down time

- Typical 3'30"

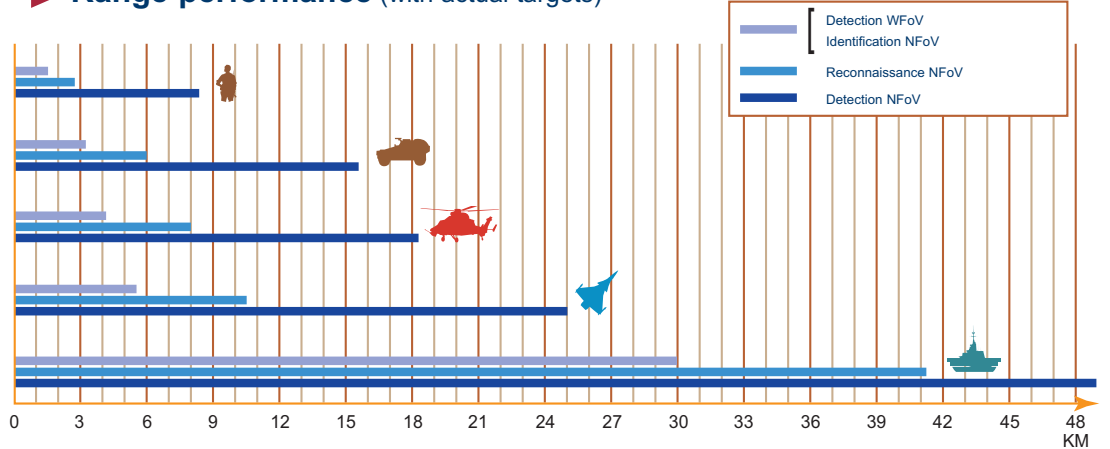
#### Temperature range

- Operating: -32°C to +55°C

### ACCESSORIES

- Tactical bag
- Logistic container
- Tripod (Pan & Tilt)
- Integrated hand held display / remote control box (POP 6)
- Data and video cables
- Rechargeable batteries
- Battery chargers
- AC or DC converters

### > Range performance (with actual targets)



### Thales

Land & Joint Systems

2, avenue Gay-Lussac - CS 90502

78995 Elancourt Cedex - France

Tel: + 33 (0)1 30 96 70 00 - Fax: + 33 (0)1 30 96 75 50

e-mail: ir-cameras@fr.thalesgroup.com