

# HUSKY Night Vision Devices

# LILLY

## Hand-held Multipurpose Observation and Surveillance System



### Main Features

- Uncooled Thermal Imager
- Direct view optical channel
- Image fusion
- Full colour Oled display
- Navigation systems (NAVSTAR GPS C/A code (GPS), GLONASS, Galileo, SAASM)
- Laser Range Finder (LRF)
- Digital Magnetic Compass (DMC)
- Laser pointer
- Connectivity (USB, Ethernet, Serial 232, Digital video out, DC input, WLAN, Bluetooth)
- Power options (internal / external power source)

# Senop LILLY



Senop LILLY is a compact multifunctional thermal imager that has exceptional situational awareness capabilities with minimal power consumption. LILLY is a superior tool for observation, reconnaissance and target acquisition. Versatile connectivity and communication possibilities ensure a high situational awareness level for LILLY user's as well as other groups, with whom it shares data. It is specifically designed for urban operations and for use by special forces and reconnaissance units.

The direct view day channel, which is equipped with a high-resolution camera

making it possible to take both video and still images, does not require an energy source to operate and can therefore be used in power off mode.

A wide field of view gives the user a good view of their surroundings. A high-end thermal core together with high precision IR-optics gives excellent DRI ranges.

In addition to local operation, LILLY supports advanced information and situational awareness sharing. It can be connected to different C4I systems using either a cable or wireless connection.

Overall energy management is also designed to meet and exceed the needs of today's operations. As well as commercial and military battery and vehicle usage, it can be connected to several advanced power sources externally such as solar panels and fuel cells to meet 24/7 usability.

Senop LILLY is an ITAR-free device and can be easily customised in order to meet exact customer needs.

## KEY BENEFITS

- Multifunctional
- Smart and informative
- Exceptional information and situational awareness sharing
- Advanced energy management system
- Lightweight < 1.5 kg (with batteries)
- Full 24/7 usability
- Low power consumption
- Extensive connectivity options
- Easy to customise
- Ergonomic and user-friendly design
- ITAR-free

## TECHNICAL DATA

NSN: 1260-58-001-3191

### Thermal imager

Type	Uncooled
Resolution	640 x 480
Spectral band	8-12 $\mu$ m
Field of view	8.0° x 5.9°
Magnification	5x

### Direct-view day channel

Field of view	8.0° x 5.9°
Magnification	5x
Focus	At infinity (fixed)

### Digital Magnetic Compass

Azimuth accuracy (1 $\sigma$ )	< 10 mils
Azimuth accuracy, typ	< 5 mils
WMM World Magnetic Model	

### Laser Range Finder (LRF)

Type	1550 +/- 20 nm (class 1)
Range	> 6 km (optional >15 km)
Accuracy (1 $\sigma$ )	$\pm$ 1.0 m

## DRI RANGES



### Standard accessories:

- Carrying bag 1 pc
- Set of batteries (6 x CR123) 2 set
- User manual (English) 1 pc
- Optics cleaning set 1 pc

### Optional accessories:

- Energy harvesting unit
- Data cables
- Tripod
- GPS compass
- Kill flash filters
- Nato accessory rail

### Positioning system

Type	NAVSTAR GPS C/A code (GPS), GLONASS, Galileo, SAASM
Accuracy (GPS L1)	< 2.5 m (CEP, 50%, 24 h static)

### Laser pointer

Type	850 nm
Class	1 (eye-safe)

### Connectivity

- USB
- Ethernet
- Serial 232
- Digital video out
- DC input 12/24 V
- WLAN
- Bluetooth

### Power sources

Integrated battery housing	6 x CR123A
External	DC in connection
Energy harvesting	Solar cell, vehicle power system, fuel cell etc.
Battery life (6 x CR123A)	> 5 hours

### Physical

Weight (with batteries)	< 1.5 kg
Dimensions (L x W x H)	210 x 180 x 80 mm
Main material (housing)	Composite

### Environmental

Operating temp.	-40 ... +60 °C
Qualification	MIL-STD-810 and MIL-STD-461
Qualifying standards	ISO 9001:2008 and AQAP-2110

Our policy is continuous development and improvement. We therefore reserve the right to alter technical data without notice.

