



HUSKY Night Vision Devices

LISA

Hand-held Target Acquisition and Observation System

SENCO P
DEFENCE & SECURITY



LISA

Hand-held Target Acquisition and Observation System

LISA is a versatile target acquisition and observation sensor for day and night-time use. The device has a direct-view channel for daytime use, an uncooled thermal imager, a laser rangefinder, a digital magnetic compass, a CCD camera, and GPS.

LISA is lightweight and compact. Intended for forward observation squads, artillery, infantry, and special units with varying levels of training, LISA has been designed with ease of use in mind.

LISA has a long battery life. The day-time direct-view channel needs no electricity, and other functions consume power only when used. Various types of power sources are available.

LISA can be easily modified for a variety of uses. It can also be connected to different combat and command systems, as well as modern radios using either a cable or wireless connection. In addition to its role as a transmitter of location information and coordinates, LISA can be used as a receiving terminal.

LISA is durable and accurate. Designed and built in Finland, this device has been tested under extreme conditions. LISA is fully operational regardless of environmental circumstances, and is able to measure a target's location information accurately over a distance of six kilometres, irrespective of the target's global location.



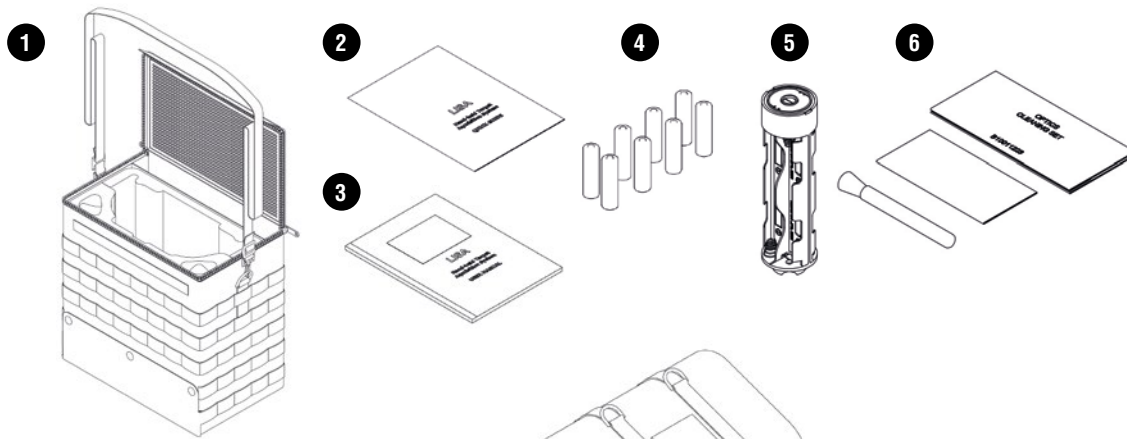
Main Features

- Uncooled thermal imager
- Direct-view day channel
- Eyesafe laser rangefinder (class 1)
- Digital magnetic compass
- Global Positioning System
- C4I connectivity
- Wireless connection
- Image and video capture with target information
- CCD camera

Optional Features

- Laser pointer
- Image fusion

Standard Accessories:

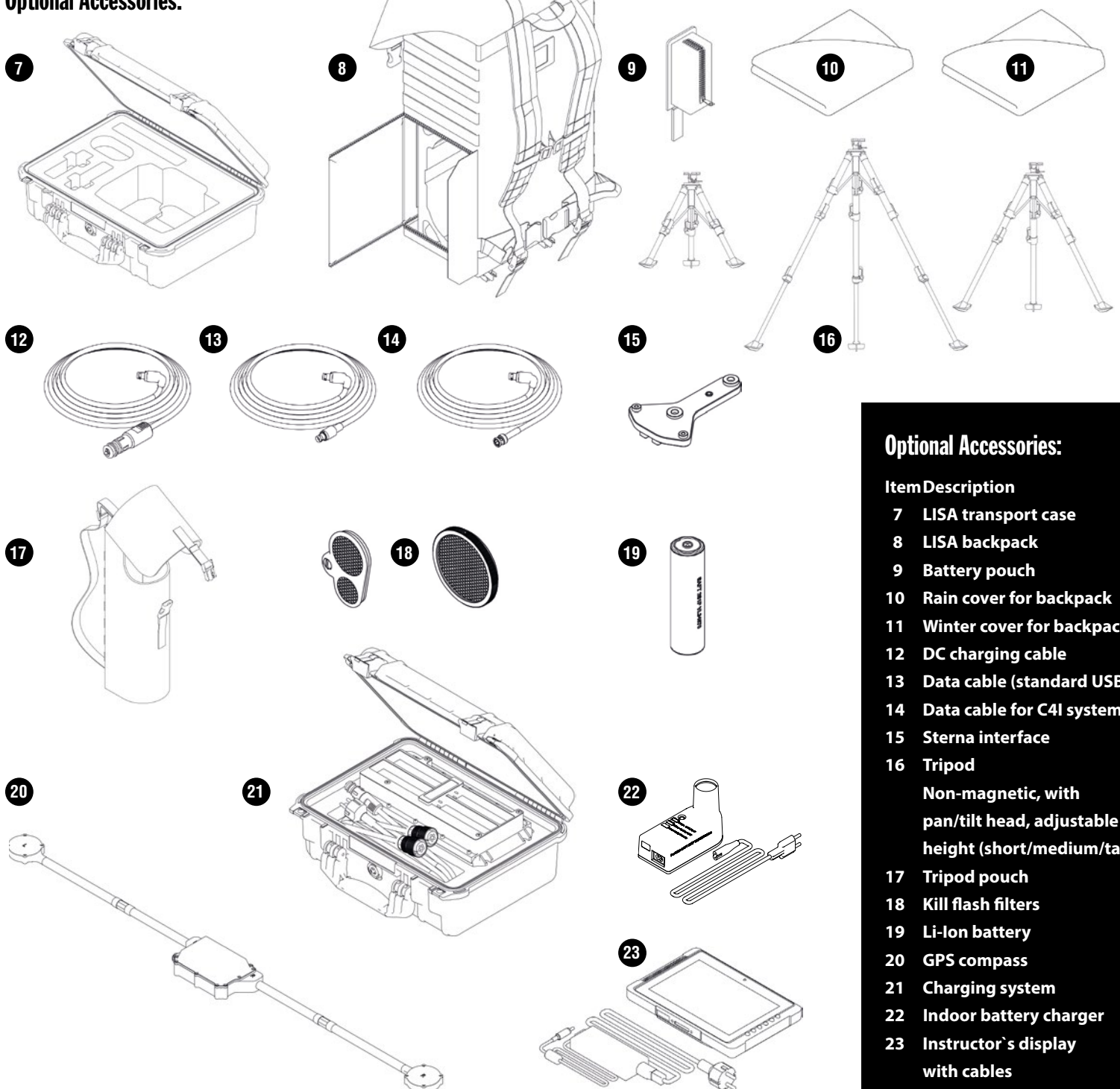


Standard Accessories:

Item Description

- 1 Carrying pouch
- 2 Quick guide
- 3 User manual
- 4 Batteries (AA)
8 pcs required
- 5 Battery adapter
- 6 Cleaning kit

Optional Accessories:



Optional Accessories:

Item Description

- 7 LISA transport case
- 8 LISA backpack
- 9 Battery pouch
- 10 Rain cover for backpack
- 11 Winter cover for backpack
- 12 DC charging cable
- 13 Data cable (standard USB)
- 14 Data cable for C4I system
- 15 Sterna interface
- 16 Tripod
Non-magnetic, with pan/tilt head, adjustable height (short/medium/tall)
- 17 Tripod pouch
- 18 Kill flash filters
- 19 Li-Ion battery
- 20 GPS compass
- 21 Charging system
- 22 Indoor battery charger
- 23 Instructor's display with cables

TECHNICAL DATA

NSN: 1230-58-000-8319

Thermal imager (uncooled)

Type	Uncooled, staring
Resolution	640 x 480
Spectral band	8-12 μ m
FOV	6.2° x 3.8° (digital zoom)

Direct-view day channel

Magnification	4.6 X
Dioptr setting	+2 to -2 dptr

CCD camera (colour)

Resolution	720 x 576
FOV	2.9° x 2.3°

LRF

Type	Diode (class 1)
Wavelength	1500 nm
Measuring range	> 6 km
Accuracy	+/- 1.5 metres

Digital Magnetic Compass

Azimuth Accuracy	0.3° RMS
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GPS

Accuracy	3 m CEP (typical)
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Electrical interfaces

USB
Video Out
RS232
12 VDC out
12/24 VDC in
Bluetooth
NMEA-0183 support

Mechanical interfaces

1/4" UNC camera thread
NATO accessory rail for external devices
Tripod mount
Molle clamp

Physical

Dimensions	250 x 205 x 100 mm (L x W x H)
Weight	3 kg

Power /Life

Operating time	up to 10 hours
Power sources	AA size batteries (8 pcs with battery adapter) Li-Ion battery DC cable

Environmental

Operating Temp.	-35 to +63 °C
Qualification	MIL-STD-810 and MIL-STD-461
Qualifying standards	ISO 9001:2008 and AQAP-2110

KEY BENEFITS

- Accurate
- Easy to use
- User-friendly interface
- Low power consumption
- Extensive connectivity options
- Lightweight
- Easy to customise
- Ergonomic design
- Multifunctional
- Fully operational regardless of environmental circumstances
- ITAR free

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

LISA RANGES

