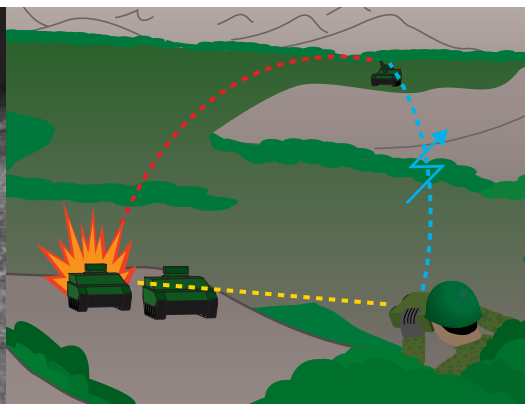


# NESTOR

is a handheld device designed for long-range day and night target observation and localisation



NESTOR offers a unique integration of the following functions:

- IR channel
- Visual day channel
- Image fusion day/night
- Eye-safe laser rangefinder
- Digital magnetic compass
- GPS receiver

All functions are controlled through user-friendly menus, allowing quick access and easy use with a minimum of training.

A bi-ocular display ensures a very ergonomic presentation of day and night images as well as overlaid information (range, target coordinates, BITE, etc.).



We make it visible.

# NESTOR

NESTOR can be used either stand-alone or remote controlled with tactical terminals or adapted to portable systems.

- Handheld for infantry soldier or platoon leader
- Tripod mounted for long-range artillery observation in combination with a laser designator or gyro northfinding system.

Depending on the application, NESTOR can be used:

- Interface to Gyro Northfinding system
- External GPS (PLGR type)
- Radio interface for data and image transfer
- Laser designator

## Characteristics

### IR Channel

Wavelength	3 to 5 $\mu\text{m}$
Focal Plane Array	CMT 384 x 288
Cooler	closed-cycle Stirling micro-cooler
Fields of view	3° x 2° & 12° x 8°
NETD	30 mK
Typical ranges (Nato standard)	detection 10 km recognition 4 km

### Visual Day Channel

Magnification	7 times
Aperture	42 mm

### Display

Type	bi-ocular
Color	black and white
Display	OLED

### Eye-safe Laser Rangefinder

Wavelength	1.5 $\mu\text{m}$
Repetition rate	0.5 Hz
Typical range	10 km
Laser class	1M (IEC 60825:2001) 1 (ANSI Z136.1-2000)

### Digital Magnetic Compass

Azimuth range	360°
Azimuth accuracy	0.5°
Elevation range	$\pm 45^\circ$
Elevation accuracy	0.2°

### Global Positioning System

Built-in	C/A-type
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### Electrical

Power supply	internal	Li-Ion batteries (3.5h, typical)
	external	10 V to 32 V
Video output		CCIR
Serial link		RS 422 & RS 232

### Mechanical

Weight	4 kg
Mechanical fixation	quick 3-point fixation

### Environmental

Complies with MIL-STD 810 and 461
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