



LINX **HAND HELD ALL-WEATHER TARGET ACQUISITION SYSTEM**

A multi-functional day/night handheld target locator which includes an uncooled thermal imager for all-weather observation and detection, two Field of View (FOV) colour TV channels for high definition observation and detection during daylight conditions, an eye-safe Laser Range Finder, a digital compass and Global Positioning System (GPS) provision housed in a compact lightweight unit used by dismounted soldiers and special forces.

LINX performs target acquisition through a target data record that provides target marker, azimuth, elevation, distance, global positioning and a target snapshot of the scene both in InfraRed (IR) and TV modes.

The target data record is transmitted to the C2 by wireless or wired technology.

LINX is self-powered using Li-ion military rechargeable battery, AA lithium battery (+1.5V) or an auxiliary power connector for an external DC source is also available.

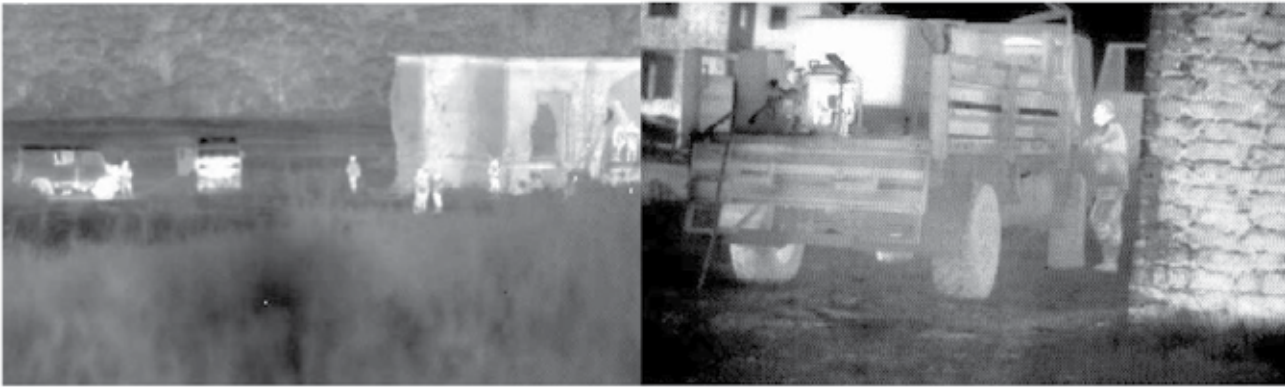
KEY FEATURES

- All-weather observation, detection and recognition through dust, smoke, fog, haze and dusty battlefield surroundings, applying Long Wave uncooled IR technology
- Target acquisition by means of a data record comprising target range, azimuth, elevation and a target snapshot of the scene
- Wireless transmission of the target acquisition data record to the soldier C2
- Eye-safe Laser Range Finder
- Digital magnetic compass.

INTEGRATION

Linx is a fully integrated device:

- It integrates all of the necessary functions required for a real "Commander's Target Locator": TV and IR cameras, GPS, digital compass, Laser Range Finder.
- It is designed to be "NET-centric", i.e. integrated in a network via a wireless (but also wired) connection allowing the "Soldier System" to be in his centre with the possibility to exchange information (images and data) with the rest of the system.



TECHNICAL SPECIFICATIONS

Infrared Camera

Field Of View (FOV)	8.8° x 6.6°
Reticule	Electronically programmable
Sensor	320 x 240 Uncooled
Bandwidth	8 to 12 µm
Polarity	White hot/ black hot
Sensitivity	Better than 50 mK

Colour TV Narrow FOV

FOV	2.7° x 2.0°
Reticule	Electronically programmable
Sensor	Full video colour APS

Colour TV Wide FOV

FOV	8.8° x 6.6°
Reticule	Electronically programmable
Sensor	Full video colour APS

Laser Range Finder

Wavelength	1.55 µm
Maximum Range	2500 m vs Standard Nato target (2.3m x 2.3m)
Eye Safety	Class 1, IEC 60825 (2001)

Digital Magnetic Compass and GPS

Precision in Azimuth	± 1 deg
Precision in Elevation and Tilt	± 0.5 deg
Elevation and Tilt Range	Up to ± 45 deg
GPS	Code CA

TV Range of Detection

Moving Man	2.3 km (Wide FOV)
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Interfaces

Video Output	Colour VGA, USB
Power	Lithium ion rechargeable battery, or DC backup power wired through connector or AA/lithium batteries (+1.5V)

Physical Characteristics

Length	22.0 cm
Width	23.0 cm
Height	10.3 cm (maximum)
Weight	2.5 kg (including batteries)

IR RANGE OF DETECTION

