



## **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.

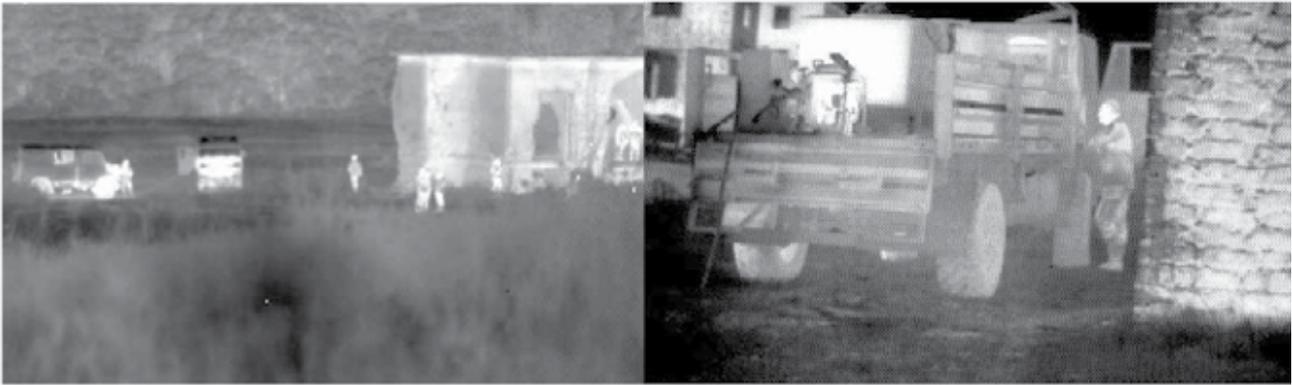
### **KEY FEATURES**

- 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

