



MOSKITO TI

Lightweight Multi-Purpose Target Locator



SMART SUPERIORITY



9 functions in
less than 1.3 kg

The MOSKITO TI combines higher usability, lower weight and broader capabilities than any device in its class. Incorporating Safran Vectronix performance history, it is reliable in all conditions and gives dismounted infantry and special forces exactly what they need for full 24/7 situational awareness.



Modular GPS solution

Compartment for commercial GPS or military GPS receiver.

Laser Pointer

Invisible eyesafe class 1 Laser Pointer provides easy target handover capabilities to the user/operator.

Laser Rangefinder

Outstanding performance based on Safran Vectronix leadership in laser ranging. Ranges to 10,000m, with low divergence for best performance in harsh environmental conditions (dust, humidity).

Optimized power concept

Uses 4 x CR123 commercial batteries. Low-consumption sensors are used to save power.

Image/Video

Outstanding recording and processing capabilities day and night, in Thermal and Low Light Imaging modes.



Broader capabilities

3 viewing modes:

- Premium Optical Day View, day operation without power consumption
- Thermal Imaging for detection and situational awareness day or night - wide field of view
- Low Light Imaging for positive identification
- SMART design for recording, editing, live streaming

More connectivity

- Outstanding C4I capabilities. Meets NATO inter-connectivity requirements
- Multiple interfaces including USB and Ethernet for data exchange with other devices

Higher usability

- Designed around the user - everything needed, nothing superfluous
- Highly ergonomic design
- Intuitive user interface, no information overload
- One button per function operation, designed for -use with or without gloves

Lower weight

- Best performance to weight ratio of any device in its class
- All-in weight under 1.3kg
- Modular GPS with option of integrating military GPS on-board, saves up to 1kg
- Low consumption sensors and careful battery management design minimize battery load



△ Digital Magnetic Compass

High performance, low weight, low power consumption. Includes inclinometer.



□ Standard Interfaces

USB/Ethernet/Bluetooth/RS-232 enable easy integration into higher-level systems.



Optical Day View

It enables users to assess a situation with their own eyes and make decisions independently of digital systems (100% positive Identification). With stadiametric and mil reticle.



Low Light Imager

1280x1024 (SXGA), Low Light Imager (LLCMOS) – enhances users' ability to detect (>4km) and identify objects in conditions from twilight to half-moon. The Low Light Imager is designed to process the inhomogeneous light conditions (dynamics) of urban terrain such as passing cars, streetlights or similar. Unlike with image intensifier tubes, no damage occurs.



Thermal Imager

Very wide 12° FOV, wider than any other comparable device on the market. Enables screening of areas in just seconds. 640x480 (VGA) resolution, continuous zoom.

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TECHNICAL DATA

OPTICS DAY

Magnification	6x
Field of view	6.1°/108mil

OPTICS TI

Sensor Resolution	VGA, 640 x 480 pixels
Field of view	H = 12.4°/220mil V = 9.3°/165mil

OPTICS LOW LIGHT CMOS

Sensor Resolution	SXGA, 1280 x 1024 pixels
Field of view	H = 6.2°/110mil V = 4.7°/84mil

RANGEFINDER (DISTANCE)

Laser type	1550 nm, class 1 eyesafe per EN 60825-1 Ed 2.0 (2008)
Range capability	10m to 10,000m
Accuracy	±2m

DIGITAL MAGNETIC COMPASS

Azimuth accuracy (1σ) with PPS calibration on tripod, typical (1σ)	±10mil/±0.6° ±7mil/±0.4°
Inclination accuracy	±3mil/±0.2°

LASER POINTER (OPTIONAL)

Lasertype	840nm, class 1 eye-safe per EN 60825-1 Ed 2.0 (2008)
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GPS RECEIVER (OPTIONAL)

Type	NAVSTAR GPS C/A Code, GLONASS, QZSS, WAAS, EGNOS, MSAS, BeiDou, military GPS
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DISPLAY

Type	SVGA, 800 x 600 pixels
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DATA INTERFACE

Standard interface	RS-232, USB 2.0, Ethernet
Optional	Bluetooth
External GPS capability	Rockwell Collins PLGR+96/PLGR II/DAGR

POWER SUPPLY

Standard, on board	3V lithium battery type CR123A, 4 x required
Battery capacity (20°C)	>4h (dependent on mission profile)

PHYSICAL

Dimensions (L x W x H)	184 x 198 x 96 mm
Weight	<1.3kg

For further specifications please refer to the product technical data sheet.



MOSKITO TI ONLINE

The MOSKITO TI is the lightest, most capable target locator in its class. See all the things it can do - watch the movie to get the whole story.



Find more information about MOSKITO TI under
moskitoTI.vectronix.ch

**POWERED
BY TRUST**

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