



DISCOVER SMART SUPERIORITY

# MOSKITO TI

LIGHTWEIGHT MULTI-PURPOSE TARGET LOCATOR

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TARGET LOCATOR

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

## 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 1.3 kg
- Modular GPS with option of integrating military GPS onboard, saves up to 1 kg
- Low consumption sensors and careful battery management design minimize battery load

The MOSKITO TI is the lightest, most capable target locator in its class. Get the whole story here. [www.vectronix.com/moskitoti](http://www.vectronix.com/moskitoti)



## Modular GPS solution

- + Slot accommodates commercial GPS or military GPS receiver.



## Laser Rangefinder

- + Outstanding performance based on Vectronix leadership in laser rangefinding. Ranges to 10,000m and more, with low divergence for best performance in harsh environmental conditions (dust, humidity).

## Laser Pointer

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

## Digital Magnetic Compass

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

## Optimized power concept

- + Uses 4x 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.

## 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

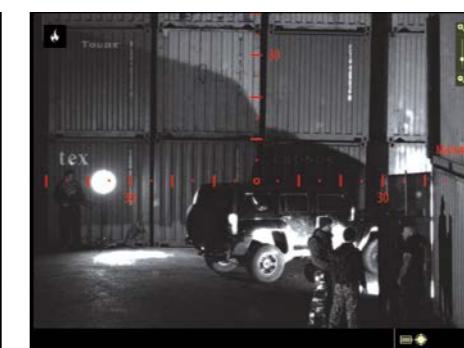
1280x1024 (SXGA), Low Light Imager (LLC-MOS) – enhances users' ability to detect (> 4 km) and identify objects in conditions from twilight to half-moon. The Low Light Imager is designed to process the inhomogeneous light conditions (dynamics) of urban terrain such as passing cars, streetlights or similar. 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.

## Standard Interfaces

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



## TECHNICAL DATA

## Optics Day

|               |                 |
|---------------|-----------------|
| Magnification | 6x              |
| Field of view | 6.25° / 111 mil |

## Optics TI

|                   |                       |
|-------------------|-----------------------|
| Sensor Resolution | VGA, 640 x 480 pixels |
| Field of view     | 12° / 213 mil         |

## Optics Low Light CMOS

|                   |                          |
|-------------------|--------------------------|
| Sensor Resolution | SXGA, 1280 x 1024 pixels |
| Field of view     | 6.25° / 111 mil          |

## Rangefinder (distance)

|                  |   |
|------------------|---|
| Laser type       | 1550 nm, class 1 eyesafe per IEC 60825-1 Ed 2.0 (2007-03) |
| Range capability | 10m to 10,000m  |
| Accuracy         | ±2m   |

## Digital Magnetic Compass

|  |                   |
|--|-------------------|
| Azimuth accuracy (1σ)                        | ± 10 mil / ± 0.6° |
| with PPS calibration on tripod, typical (1σ) | ± 7 mil / ± 0.3°  |
| Inclination accuracy                         | ± 3 mil / ± 0.2°  |

## Laser Pointer (optional)

|           |  |
|-----------|--|
| Lasertype | 840 nm, class 1 eye-safe per IEC 60825-1 Ed 2.0 (2007-03), ANSI Z 136.1 (2007) |
|-----------|--|

## GPS Receiver (optional)

|      |   |
|------|---|
| Type | NAVSTAR GPS, Galileo, GLONASS, military GPS |
|------|---|

## Display

|      |                        |
|------|------------------------|
| Type | SVGA, 800 x 600 pixels |
|------|------------------------|

## Data interface

|                    |                               |
|--------------------|-------------------------------|
| Standard interface | RS-232, USB 2.0 OTG, Ethernet |
|--------------------|-------------------------------|

|          |           |
|----------|-----------|
| Optional | Bluetooth |
|----------|-----------|

|                         |  |
|-------------------------|--|
| External GPS capability | Rockwell Collins<br>PLGR + 96 / PLGR II / DAGR |
|-------------------------|--|

## Power Supply

|                    |   |
|--------------------|---|
| Standard, on board | 3 V lithium battery type CR123A, 4 x required |
|--------------------|---|

|                         |                                     |
|-------------------------|-------------------------------------|
| Battery capacity (20°C) | >6 h (dependent on mission profile) |
|-------------------------|-------------------------------------|

## Physical

|                        |                   |
|------------------------|-------------------|
| Dimensions (L x W x H) | 130 x 170 x 80 mm |
| Weight                 | < 1.3 kg          |

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 [www.vectronix.com/moskitoti](http://www.vectronix.com/moskitoti)



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