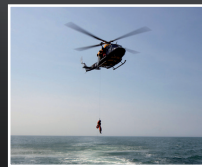


TiCAM[®] 1000B

Bi-ocular Multi-Function Thermal Imager



Bi-ocular Thermal Imager with Laser Range Finder

Thermal Night Vision

 **Thermoteknix**
Systems Ltd



TiCAM[®] 1000B



- Uncooled Thermal Imager
- Eyesafe Laser Range Finder
- Digital Magnetic Compass
- Laser Target Marker
- Global Positioning System (GPS)
- Real Time Digital Recording

Bi-ocular Multi-Function Thermal Imager with Laser Range Finder

TiCAM 1000B is a versatile security, surveillance and observation sensor for day and night-time use. The device is based on a MicroCAM 3 high resolution uncooled thermal image with Laser Range Finder, Digital Magnetic Compass, Real-Time in camera digital recording and GPS providing accurate location and co-ordinates.

Lightweight and compact, TiCAM 1000B is suitable for forward observation squads, search and rescue, infantry, border security and special units with varying levels of training.

TiCAM 1000B operates from internal AA batteries or external power. It can be connected to various information/command systems for real-time data exchange.

Technical Data

Infrared Detector	640 x 480 17 μ Amorphous Silicon uncooled long wave microbolometer
Detector Wavelength	Long Wave (8-14 μ region)
Lens	60mm, 75mm or 100mm subject to specification (manual focus)
Focus Range	10m to infinity
Thermal Imaging Zoom	Continuous x1 to x4
Display	Dual OLED 800 x 600 60Hz
In Camera Recording	Real time digital still/video up to 12 hours
Laser Range Finder	Eyesafe 1550 nm
Range	3km (standard NATO target), up to 5km depending on atmospheric and target conditions
Digital Magnetic Compass	World Magnetic Model (WMM)
GPS	L1 C/A WGS84/UTM/MGRS selectable co-ordinate systems
Laser Target Marker	650nm (visible) or 850nm (night vision detectable) - subject to specification
Power	8 x AA batteries (Li ion recommended)
External Power	10-24V DC
Operating Time (batteries)	Up to 8 hours in typical use
Tripod Mount	1/4-20 UNC
Housing	Aluminium construction
Dimensions	Optional Kill-flash
Weight	196(L) x 88mm(D) x 164mm(W)
Environmental	<2.0 kg
External Interfacing	MIL-STD-810 and MIL-STD-461
	USB with PC remote control operation including image download and storage

A choice of lenses is available to suit different applications/requirements:

Focal Length	Aperture	FOV (Diagonal)	Detection*	Recognition*	Identification*
60mm	f/1.2	12.9°	2350m 5000m	575m 1350m	290m (Man) 650m (Tank)
75mm	f/1.1	10.4°	2900m 6500m	735m 1600	360m (Man) 825m (Tank)
100mm	f/1.5	7.8°	3922m 9020m	980m 2255m	490m (Man) 1127m (Tank)

*Note. Calculated values. Real world performance may vary depending on atmospheric conditions. Thermoteknix TiCAM[®] products are not subject to US ITAR control but may require UK export licence depending on the end-user country and specification. Not all features present on all models. TiCAM[®] is a registered trademark of Thermoteknix Systems Ltd. Specifications subject to change. TiCAM[®] is designed and manufactured in the UK.

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