



DIKTIS_{TL}

THERMAL

Multi-Function Thermal Binocular Target Locator

FEATURES

Long Range Passive Day / Night Operation

Mid-Wave Cooled Thermal & Day Camera Sensors

Continuous Zoom for both Thermal and Day camera

Accurate Target Location with built in LRF, DMC and GPS modules



APPLICATIONS

Border & Coastal Surveillance

Anti-terrorism / Search & Rescue Operations

Critical Infrastructures Security

Fire Support Operations (FOB, FAC)

The DIKTIS-TL is a Multi-Function Binocular suitable for Long Range Day / Night Surveillance and target location applications. It combines all the essential sensors for the task; a mid-wave infrared detector based on the latest generation of Cooled Thermal Imaging module with a resolution of 640 x 512 pixels a Day Sensor, a Laser Range Finder, Digital Magnetic Compass and GPS receiver, all in a single ergonomic housing.

The mid-wave Infrared has a Long Range Continuous Zoom Lens, which gives users the flexibility of changing the FOV as per the needs of the scene rather than getting restricted to discrete FOV's. For day observation, the visible spectrum camera provides continuous zoom as well. The LRF module is based on Class I Eye-safe Wavelength of 1.54 μm and supports measurements up to 10 km.

The DIKTIS-TL can be used handheld or mounted on a Pan-Tilt unit controlled from a remote console through a 100 m cable or a RF link from almost 10 km away. The console has a facility to show a map in the background correlated with the video from the camera in real-time. A "scan around facility" wherein the system can scan continuously between specified points of interest is also available.

There are special power accessories which allow the system to operate unattended for long duration without any external power supply and to be controlled via remote RF link.