



THERMAL IMAGER FOR LONG RANGE DETECTION AND ENGAGEMENT

Delivering the best resolution and clarity at all times, whatever the conditions, is at the heart of the company's electro-optics systems. TILDE is the company's highly successful response to high sensitivity, long-range detection requirements.

Based on improved thermal imaging modules, TILDE is a thermal imager operating in the 8-12 micron spectral band (LWIR) with a FPA 288x4 TDI detector. TILDE has been designed and qualified to work in the harshest environments (temperature and vibration), and is self contained in a rugged, sealed enclosure.

Typically equipped with a double FOV objective, optical surfaces are coated with a high quality anti-reflective coating to maximise transmission. The company has produced well over 1,500 TILDE currently in operations supporting a wide range of systems.

APPLICATIONS

- Fire control systems for tanks, AIFVs
- Infrared imagery for land and naval applications.

KEY FEATURES

- Programmable configuration
- Field proven to withstand extreme conditions
- Multiple communication I/F
- CCIR video signal compatible with commercial-off theshelf (COTS) monitors, controlled via an asynchronous RS422 serial data link operable by COTS PCs
- Graphics overlays
- Powered directly from vehicle power supply or from battery pack.

TECHNICAL SPECIFICATION

Power Supply	Voltage 28 VDC (18-36 VDC)
	Consumption <45W @ steady state
	Standard MIL STD 1275
Video output	Standard CCIR 625/50
Detector	FPA 288x4 with TDI
	Spectral band 8-12 μm
	Pixels Resolution 768 x 576
Electronic zoom	2x, 4x
Sensitivity	Better than 30mK
Built-in Test Equipment	Present
Environmental	Fully ruggedized Mil-STD-810
Operating temperature	- 30°C +60°C
Storage temperature	- 40°C +70°C
Field of View (FOV)	Wide FOV 8° x 6°
	Narrow FOV 3.2° x 2.4°
Weight	9Kg
Dimensions (mm)	214 x 175 x 365



RANGE PERFORMANCE KM (ACTUAL TARGETS)

