KEY BENEFITS

- Incorporates advanced new features and functions.
- Enhanced range performance.
- Forces interoperability-TIM family interface.
- Interpolated electronic zoom.
- Compact and lightweight.
- Compatible with high definition detectors.
- Responsive and precise autofocus function.
- Uncooled Reliability greater than 30,000 hours.
- Maximum exportability, free from ITAR restrictions.
TIM-TR
Thermal Imaging Module – Tactical Range

OVERVIEW

TIM-TR are Single field-of-view design variants, part of the passive Thermal Imagers (TI) family, operating in the 8-12 µm wavelength region of the IR spectrum, utilizing state-of-the-art Uncooled Focal Plane Array detectors. This thermal sight family enables full night-fighting capability, area surveillance, target localization, and improved firing capabilities in adverse weather and obscured battlefield conditions.

In a typical application, TIM-TR are mounted on remote weapon stations designed for combat vehicles, or for situational awareness applications such as border surveillance.

SPECIFICATION

SPECTRAL BAND:
- 8-12 µm

DETECTOR:
- Microbolometer UFPA 1280 x 1024, 1024 x 768 or 640 x 480

HORIZONTAL FOV:
- SXGA variants 6° & 9°
- XGA variants 7° & 10°
- VGA variant 6.2°

FOCUS:
- 10 m to infinity

DETECTION RANGE*:
- > 7,500 m

IDENTIFICATION RANGE*:
- > 1,900 m

WEIGHT:
- 3.0 kg

DIMENSIONS (mm):
- 180 W x 274 L x 171 H

INPUT POWER:
- 12 VDC or 28 VDC vehicle supply

VIDEO OUTPUT:
- 720p, EIA-RS-170A, CCIR, LVDS and digital IP

COMMUNICATION DATA LINK:
- RS-422 up to 115,200 bauds

POWER CONSUMPTION:
- < 17 Watts (max)

OPERATIONAL TEMPERATURE RANGE:
- -40°C to +50°C

* Performance according to NVThermIP
NATO TANK 2.3 m x 2.3 m, ΔT = 2K for 640x480 variant.