

[www.cantronic.com](http://www.cantronic.com)

### Overview

**ThermalRanger 1000** series of thermal infrared camera is the ultimate night vision security product designed for medium range surveillance up to 1500 feet in total darkness.

Cantronic uses the latest state of the art passive infrared thermal seeking technology in the **ThermalRanger** cameras. The TR1000 series is a smaller, lighter thermal imaging camera which can provide high performance and flexible applications. A variety of fields of view are available to fit your surveillance applications.

Using 160x120 FPA with less than 0.05° sensitivity, the camera provides a complete night vision solution in a wavelength between 8 to 14 µm. The TR1000 series is an excellent competitively priced night vision camera.

### Outstanding Features

- 160x120 Microbolometer uncooled passive Infrared FPA Detector
- High thermal sensitivity < 50mK
- Medium range detection
- 24 / 7 operation
- Thermal seeking, passive infrared
- Automatically adjusts contrast and brightness
- Optional camera remote control via USB for video format, electronic zoom, temperature display and auto touch up
- Environmental enclosure housing
- Germanium infrared window to filter unwanted light/radiation
- Long operating life with no cooler required

### Performance Options & Accessories

- Pan and Tilt Drive
- Mounting Bracket
- Camera Controls Interface
- 25mm lens, 11° FOV, 475m (1500ft)
- 16mm lens, 17° FOV, 305m (1000ft)
- 8.5mm lens, 32° FOV, 170m (550ft)

### Product Image

TR1000 Medium Range Thermal Security Camera



### Applications

This unique combination of night vision power is Cantronic's solution to the increase need for security and homeland protection at a broad range of facilities and infrastructure such as:

- Bridges; Airports; Seaports; Subways
- Military Facilities
- Nuclear Power Plants
- Perimeter Security
- Industrial Applications
- Governmental Facilities

