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Overview

TR1000 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 **TR1000 Series** cameras. This 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 particular surveillance application.

Using 160x120 FPA with a sensitivity of less than 0.05°, the camera provides a complete night vision solution in the 8 - 14 μm wavelength range. The **TR1000** is an excellent quality, 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

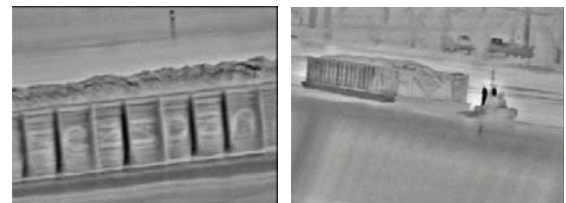
TR1000 Medium Range Thermal Security Camera



Applications

This unique combination of night vision power is Cantronic's solution to the increased 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



Specifications

Model	TR1000-8	TR1000-16	TR1000-25
Lens	8.5mm	16mm	25mm
Field of View	32°	17°	11°
Range to Detect Human Activity	170m (550ft)	305m (1000ft)	475m (1500ft)
Thermal Sensitivity	< 50mK		
Focus Method	Manual		
Zoom	Up to 5.5x Electronic Zoom (Optional)		
Wavelength	8µm to 14µm		
Frame Rate	30Hz NTSC or 25Hz PAL		
Night Vision Method	Thermal Seeking, Passive Infrared		
Detector	160(H) x 120(V) Amorphous Silicon Microbolometer FPA		
Output Resolution	NTSC (640 x 480) or PAL (768 x 574)		
Video Output	NTSC or PAL		
Camera Remote Control	USB (Optional)		
Storage Temperature	-20 °C to 85 °C (-4 °F to 185 °F)		
Operating Temperature	-20°C to 50°C (-4 °F to 122 °F)		
Power Input	12VDC, 2 W Typical		
Enclosure Dimension	240 x 108 x 137 mm (9.5" x 4.3" x 5.4")		
Weight	2 kg (4.4 lbs)		
Camera Mounting Dimension	Mounting Distance 50.8mm (2") with ¼" Screw		

How to Order

TR1000 – 8 N

Lens
 8 : 8.5mm lens
 16 : 16 mm lens
 25 : 25 mm lens

Video Output
 N : NTSC
 P : PAL



Picture shown with optional mounting bracket

GSA Schedule

Specifications subject to change without notice

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