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Overview

The **TR3000N Series** is Long Wave Uncooled Thermal Imager, in a pressurized enclosure, offers effective options in surveillance solutions.

The system is available in a choice of four focal lengths for short-range, mid-range and long-range thermal solutions.

The thermal imager operates in the 8-14 μ m waveband, incorporating uncooled VOx microbolometer technology in a 320 x240, 23.5 μ m pitch focal plane array.

The TR3000N Series cameras are sealed and pressurized with dry nitrogen. An optional integrated thermostat controlled heater can be utilized for adverse environmental conditions.

Features include

- Uncooled 8-14 μ m VOx Microbolometer Technology (23.5 μ m)
- Pressurized housing
- Control via RS-232 interface (image manipulation and focus)
- Sun Shroud
- Pan/Tilt Mounting

Product Image

TR3000N Thermal Security Camera

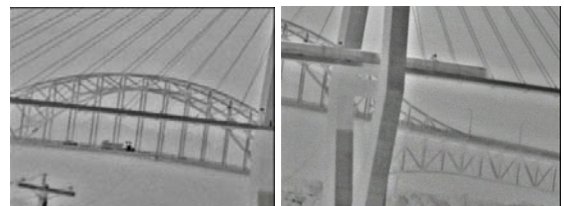


Picture shown with Optional Mounting Bracket

Applications

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

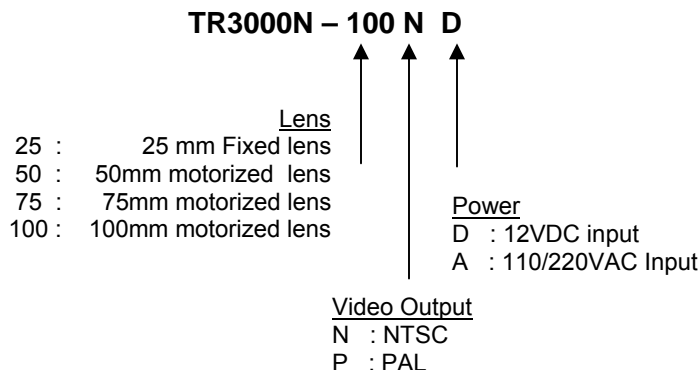
- Bridges; Airports; Seaports; Subways
- Military Facilities
- Nuclear Power Plants
- Perimeter Security
- Industrial Applications
- Governmental Facilities



Specifications

Model	TR3000N-25	TR3000N-50	TR3000N-75	TR3000N-100
Lens Focal Length	25mm	50mm	75mm	100mm
Field of View	17.2° x 12.9°	8.6° x 6.5°	5.7° x 4.3°	4.3° x 3.2°
Focus Method	Fixed	Motorized	Motorized	Motorized
Electronic Zoom	2X / 4X			
Detector Type	320 x 240 Uncooled Microbolometer, VOx			
Wavelength	8 μm to 14μm			
NETD	<75mK @ f/1			
Video Output	NTSC or PAL			
Digital video (optional)	Camera Link			
Frame Rate	30Hz (NTSC) or 25Hz (PAL)			
Camera Control/Features	RS-232C/ Image manipulation, manual focus			
Operating Temperature	-30°C to 50°C			
Storage Temperature	-40°C to 71°C			
Power Requirements	12VDC or 110VAC or 220VAC, 10W Typical			
Enclosure Dimension	194 x 167 x 460mm (7.7" x 6.6" x 18.1") with 100mm lens			
Camera Weight	8.5 kg (18.7 lbs) with 100mm Lens			
Camera Base Mounting	Mounting Dimension 120 x 100mm with 4x M8 Screws			

How to Order



Specifications subject to change without notice

Patent Pending

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