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Overview

ThermalRanger line of Thermal Infrared Night Vision camera is the ultimate night vision security product designed for long range surveillance in total darkness and extreme conditions. Cantronic's expertise in infrared night vision technology provides a complete night vision solution with a full spectrum of infrared wavelength night vision power.

ThermalRanger 3000 series are sealed and pressurized with dry nitrogen and utilize an integrated thermostat controlled heater for adverse environmental conditions. With the state of art passive infrared thermal seeking technology of 0.08°C and 320x240 uncooled FPA detector, **ThermalRanger 3000** cameras will satisfy all your needs for long range surveillance detection up to 1000m (3300 feet).

Outstanding Features

- Pressurized housing for marine environment
- 320x240 Barium Strontium Titanate (BST) un-cooled passive infrared FPA detector
- Thermal seeking, passive infrared
- NETD of 0.08°C detector
- Manually or automatically adjustment of contrast and brightness
- Control via a handheld controller or RS-232 camera remote control for contrast, brightness, frame freeze, polarity, frame averaging and camera lens focus
- Environmentally enclosure housing
- Germanium infrared window to filter unwanted light/radiation
- Thermostat controlled heater built-in
- Long detection range
- Long operating life with no cooler required

Performance Options & Accessories

- Sun Shroud
- Pan and Tilt Drive
- Mounting Bracket
- 18mm lens, 46° FOV, 200m (650ft)
- 25mm lens, 35° FOV, 275m (900ft)
- 50mm lens, 18° FOV, 520m (1,700ft)
- 75mm motorized lens, 12° FOV, 820m (2,700ft)
- 100mm motorized lens, 9° FOV, 1,000m (3,300ft)

Product Image

TR3000 Long Range Thermal Security Camera



Picture shown with optional Sun Shroud and Pan-and-Tilt Drive

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

