

### Overview

The **DT3000 Series** of Dual Vision Thermal Infrared Night Vision Camera is the ultimate security product designed for medium range surveillance in total darkness and extreme conditions. It is powerful multi-sensor camera with a night vision thermal imager and a high resolution day/night CCTV camera in one system.

With the state of art passive infrared thermal seeking technology and a 320x240 uncooled FPA detector, the **DT3000 Series** cameras can utilize an optional pan-tilt drive, IR illuminators and integrated thermostat controlled heater for adverse environmental conditions.

Cantronic's expertise in this technology provides a complete day and night vision solution with a full spectrum of infrared wavelength.

### Outstanding Features

- Dual Vision, Thermal and Visual, Technology
- 320x240 Uncooled Microbolometer Detector
- 15-Bit DSP Technology CCD Visual Camera Control via RS-232C interface for manual contrast, brightness, frame freeze, polarity, frame averaging and camera lens focus adjustment
- Thermal seeking, passive infrared
- NETD <75mK
- Automatic adjustment of contrast and brightness (Manual option available)
- Long operating life with no cooler required

### Performance Options & Accessories

- Thermostat Controlled Heater
- Pan and Tilt Drive
- IR Illuminators
- 100mm Motorized Lens
- 150mm Motorized Lens
- 45 / 135mm 2FOV Motorized Lens

### Product Image

*DT3000 Thermal Security Camera*



*Picture shown with Optional Pan Tilt Drive and IR Illuminators.*

### Applications

This unique combination of night vision power is Cantronic's 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
- Perimeter Security
- Industrial Applications
- Governmental Facilities



Specifications

**Thermal Imaging Camera Module**

Model	DT3000-100	DT3000-150	DT3000-D135	
Lens Focal Length	100mm	150mm	Wide 45mm	Narrow 135mm
Field of View (HxV)	4.3° x 3.2°	2.8° x 2.1°	9.5° x 7.1°	3.2° x 2.4°
Focus Method	Motorized	Motorized	Motorized	Motorized
Detector Type	320 (H) x 240 (V) Vox Microbolometer			
Wavelength	8µm to 14µm			
Frame Rate	30 Hz (NTSC) or 25Hz (PAL)			
NETD	<50mK (F/1.0)			
Electronic Zoom	2X / 4X			

**Visual Day/ Night Camera Module**

Type	1/2" Digital CCD
Lens	30X Continuous Zoom
Video Resolution (HxV)	752 x 582 (PAL) or 768 x 492 (NTSC)
Technology	15-Bit DSP
Horizontal Resolution	540 TVL
Signal to Noise Signal	>5dB
Min. Illumination	0.18 Lux / 0.024 Lux (Monochrome Mode)

**Overall System**

Video Output	NTSC or PAL
Camera Control	RS-232C
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Power Input	110VAC or 220VAC 15W Typical
Enclosed Dimension	L554 x W557 x H480mm
Camera Weight	Approx. 34kg

How to Order

