

TR4200/TR4600

Your Surveillance Solution



TR4200 and TR4600 are high performance thermal imagers optimized for long-range surveillance & tracking in mobile systems or field installations. The systems make use of the third generation of high quantum efficiency InSb focal plane arrays, operating in the 3-5 μ m waveband, in full snap shot mode.

Both cameras incorporate a sensitive InSb focal plane array sensor, state-of-the-art 14-bit digital electronics and motorized optics, in a compact, weatherproof housing. The cameras are the perfect choice for thermal IR measurement in airborne, naval or ground operations.



Key Features

Spatial Resolution:

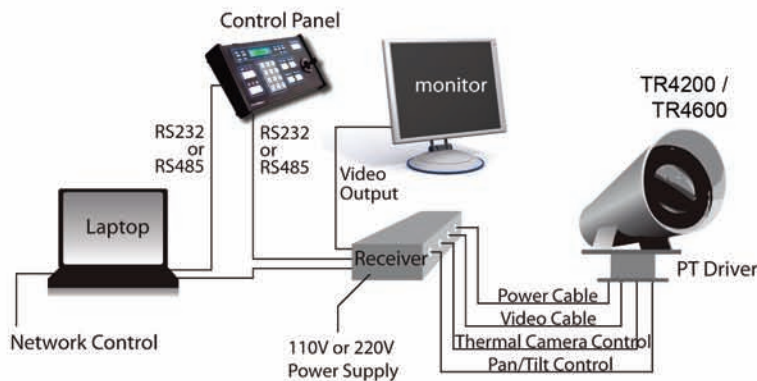
TR4200 - 320x256 pixels with 30 μ m pitch
 TR4600 - 640x512 pixels w/ 15 μ m pitch

Cooling Type:

Integral long life Stirling cooler

Field of View:

Continuous zoom (36.8 \times 29.4 $^\circ$ to 1.8 \times 1.4 $^\circ$)

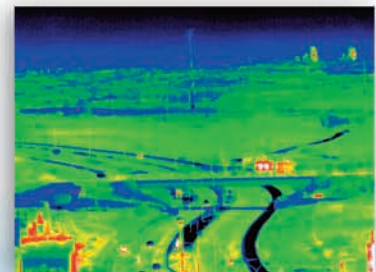


Typical wiring diagram with optional Pan-Tilt driver

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



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Specifications

	TR4200	TR4600
Number of pixels	320x256	640x512
Pitch	30 µm	15 µm
TR4200/TR4600: Common Specifications		
Focal Plane Array	InSb	
Spectral Range	3 - 5 µm	
Image Mode	Snap Shot	
Cooling	Stirling Cooler	
Optics (Motorized)	Continuous Zoom, Auto or Manual Focus	
Focal Length	15mm to 300mm	
Horizontal Field of View	36.8° to 1.8°	
Vertical Field of View	29.4° to 1.4°	
F Number	f/4	
NETD	< 20 mK	
Analog Video Output	NTSC or PAL	
System Control	RS232 or RS422	
Operating Temperature	- 32°C to +55°C	
Storage Temperature	- 40°C to +70°C	
Relative Humidity	Up to 90%	
Dimensions	197(H) x 184(W) x 400(L)mm	
Weight	< 10.0 Kg	
Power Supply	12 - 24 V DC	
Power Consumption	< 35 W	
Environmental Qualification	MIL-STD 810E	

How to Order

TR4200-C300 N
 TR4600-C300 N

↑
 Video Output
 N: NTSC
 P: PAL

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