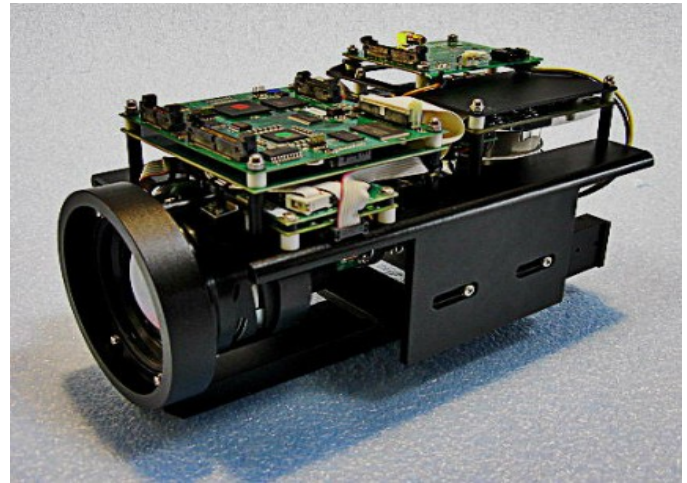


**TR4700-M Module** is a high performance thermal imager optimized for long-range surveillance & tracking in mobile systems or field installations.

The system make use of the third generation of high quantum efficiency In Sb focal plane arrays, operating in the 3-5 $\mu$ m wave band, in full snap shot mode. The TR4700-M Module incorporates a 640x512 pixels, 15 $\mu$ m pitch In Sb focal plane array.

This camera incorporate a sensitive In Sb focal plane array sensor, state-of-the-art 14-bit digital electronics and motorized optics, in a compact mechanical base.



### Key Features

**Spatial Resolution:**

**Resolution:** 640x512 pixels with 15  $\mu$ m pitch

**Cooling Type:** Integral long life Stirling cooler

**Field of View:** 15-250mm Continuous zoom  
(36.7°x29.3° to 2.2°x1.8°)

### 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 in frastructure such as:

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

**Specification**

<b>Model</b>	<b>TR4700-M</b>
Number of pixels	640×512
Pitch	15um
Focal Plane Array	InSb
Spectral Range	3-5μm
Image Mode	Snap Shot
Cooling	Stirling Cooler
Optics	Continuous Zoom
Focal Length	15mm to 250mm
Field of View	Horizontal: 36.7° to 2.2° / Vertical: 29.3° to 1.8°
F Number	f/4
NETD	<20mk
Analog Video Output	NTSC or PAL
System Control	RS232
Operating Temperature	-32°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	Up to 90%
Dimensions	252(L)×128(W)×164(H)mm
Weight	<3.0Kg
Power Supply	12 VDC
Power Consumption	<35W

**Range Performance**

**TR4300-C300**

	Human Target: (1.8mx0.5m)	NATO Target: (2.3mx2.3m)
Detection:	4.2km	11.2km
Recognition:	1.0km	2.2km
Identification:	0.5km	1.2km

**How To Order**

**TR4700-M- N**

↑  
 Video Output  
 N: NTSC  
 P: PAL

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Specifications are subject to change without prior notice.  
 Cantronic Systems (Canada) Inc. DS-TR4700-201505