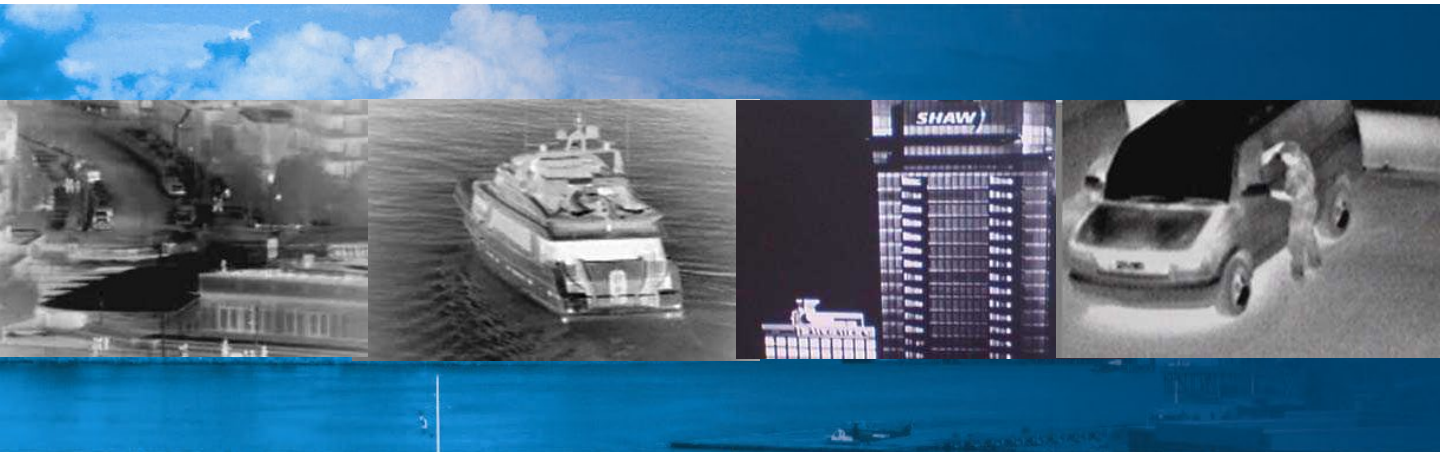
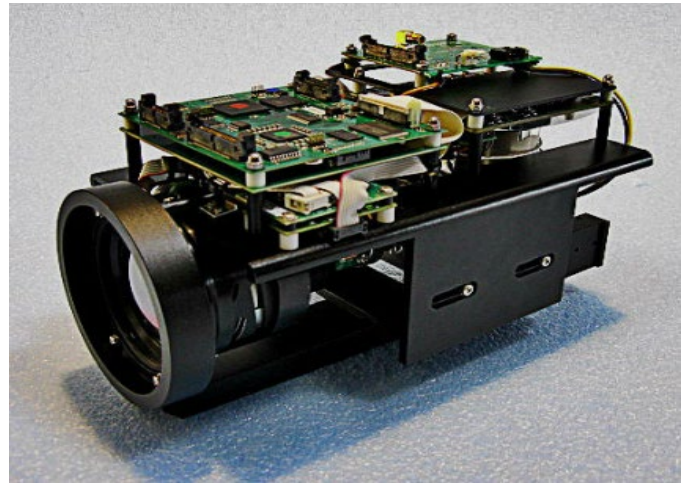


TR4700-M Module is a high performance thermal imager optimized for long-range surveillance & tracking in mobile systems or field installations.

The system make use of the third generation of high quantum efficiency T2SL/InSb focal plane arrays, operating in the 3-5 μ m wave band, in full snap shot mode. The TR4700-M Module incorporates a 640x512 pixels, 15 μ 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 μ 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

Model	TR4700-M
Number of pixels	640×512
Pitch	15um
Focal Plane Array	T2SL
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℃ to +55℃
Storage Temperature	-40℃ to +70℃
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.
 KT Photonics Inc. DS-TR4700-201805