

inT640 – ThermalTiger

High Resolution Thermal Module (640x480/50Hz)



- **640x480 FPA**
- 17µm pixel size
- 9 palettes optional
- 2x and 4x digital zoom
- Analog (BT.656) and digital video outputs available
- 50Hz (PAL) and 60Hz (NTSC), full frequency video output
- Intelligent Image Enhancement (IIE)
- Noise removal algorithm
- Histogram statistical AGC algorithm
- Fast start-up (<5 seconds)
- Customized start-up picture
- Standard interface, powerful expansion function
- 3-year warranty time



The ThermalTiger inT640 High Resolution Thermal Camera Module is the optimal choice to build high end thermal camera systems.

Using the latest detector and imaging processing design the inT640 delivers superior thermal images in any light condition day and night – even in harsh conditions like snow and fog.

ThermalTiger inT640 delivers more image details than standard thermal cores.

inT640 can be easily upgraded with several optional I/O boards and wide selection of thermal lenses - Including **thermal zoom lens**.

inT640 ThermalTiger Specifications

Detector	640 x 480, 17µm,	
Lens	M35 x 0.75mm Mounting interface with a variety of lens options	
	20mm Lens	35mm Lens
1.8m x 0.5m Human	Detection range 0.7km; Recognition range 0.3km	Detection range 0.9km; Recognition range 0.4km
2.3m x 2.3m Vehicle	Detection range 1.6km; Recognition range 0.6km	Detection range 2.3km; Recognition range 0.9km
Frame Rate	50/60 Hz	
Video Output	Analog: PAL/NTSC ; Digital 656	
Shutter	YES	
Imaging Algorithm	Intelligent image enhancement	
	Auto/Manual brightness & contrast adjustment	
	Black White Hot x2, x4 zoom in	
Features & Power input	Remote serial port upgrade	
	Analog(BT.656)	
	DC 3-5V 2.5W @ 25°C	
Interface	Rs232	
	Analog video output Camera Link Interface (Optional)	
Working Temperature	(-40C - +70C)	
Storage Temperature	(-45C - +85C)	
Vibration test	Meet the GJB 150A-16 2.3.1 standard	
Shock test	Meet the GJB 150A-18 standard, work under Test 100g/6ms	
Certification	RoHs	
Dimension	33mmx48.4mmx54.3mm (without lens)	
Weight	120g (without lens)	