

ThermalTronix

TT-1780BD-MPS

Uncooled Infrared Thermal Imaging Module



FEATURES

- Industrial product for security surveillance
- Infrared Thermometer
- Uncooled FPA micro-bolometer detector
- Thermal sensitivity: $\leq 0.06^{\circ}\text{C}@30^{\circ}\text{C}$.
- 384 x 288 pixel uncooled focal plane of the micro-heat
- Various Lens 40mm,75mm,100mm,150mm,100/33mm,150/60mm
- Universal components, the interface is complete , user-friendly integrated development
- RS485 control, built-in PELCO-D / P Control Protocol
- Encapsulation: IP54

DESCRIPTION

Applicable to border and coastal defense, docks, marine, road and other requirements of day and night surveillance application

SPECIFICATIONS

	Items	<i>ThermalTronix TT-1780BD-MPS</i>
Detector characteristics	Detector type	Amorphous Silicon micro-bolometer
	Array size/format	384x288
	NETD	≤60mK@f/1,300K,50Hz
	Frame rate	50HZ
	Spectral range	8-14um
Image manage	A/D Resolution	14Bit
	Video D/A	10Bit
	Brightness/Gain adjustment	Manual adjust brightness/gain, Automatic adjust brightness and manual adjust gain, Automatic adjust brightness/gain
	Automatic adjust brightness/gain mode	2 fixed modes, 8 user-defined modes
	Image polarity	Hot black/hot white
	Electronic zoom	2x
	Noise reduction	Yes
	Image enhancement	Yes
	Calibration	Automatic adjust in start time, manual adjust in stable state
	Crosshair	On/off
Power supply	External power	10-15V DC, 8V±1V DC customized
	Power consumption	<4.5W(Normal operating at 25°C ambient temperature condition)
	Driver for lens focus (customize)	Driver capability 8V 100mA
Environment	Operating temperature	-40°C-+60°C
	Storage temperature	-40°C-+70°C
Physical characteristics	Weight (no lens frame)	≤330g or ≤280g Optional
	Dimensions (no lens frame)	Φ76×71mm or 66 mm×63.5 mm×52mm optional
Interface	External DC input	Yes
	Video output	PAL
	Control board	Yes 5keys control board
	Serial port mode	RS232, RS422/RS485 customized