

ThermalTronix

TT-1750S-NVBM

Thermal Camera Specifications



FEATURES

384×288 Uncooled FPA detector.

Display: OLED 800*600.

Function: Record Video, Take Photo.

DESCRIPTION

TT-1750S-NVBM is a multi-functional handheld thermal binocular, widely used in 24/7 surveillance, capture and evidence gathering. It can be operated in harsh environment. With shock and vibration resistance features, the TT-1750S-NVBM is the ideal choice for observing applications such as day/night surveillance, law enforcement, tracking, etc.

SPECIFICATIONS

Items		<i>ThermalTronix TT-1750S-NVBM</i>
Detector	Detector type	Uncooled Micro-bolometer
	Spectral range	8 - 14 μ m
	Resolution	384×288
	Pixel size	25um
System characteristics	NETD	$\leq 100\text{mk}@30^{\circ}\text{C}$
	MRTD	$\leq 0.5^{\circ}\text{C}$
Lens	Focal length	50mm/F1.0
	FOV	11.0°×8.2° ($\pm 5\%$)
Functions	Gain/Brightness	Manual/Automatic
	Calibration	Automatic when start-up time Manual when working normal
	Digital zoom	2X, 3 X, 4X
	Polarity	White hot/Black hot
	Focus	Motorized focus & Auto-focus
	Storage card	Built-in flash memory (classic 4GB)
	Storage mode	Picture & Video
	File format	JPG & AVI
	Storage capacity	More than 1000 images/2 hours of video
Image display	Display	Binocular OLED, 800×600
TV module	Image sensor	1/3" HAD CCD
	Resolution	795×596
	Sensitivity	0.05 Lux
	Horizontal	600 TVL
	FOV	11.0°×8.2° ($\pm 5\%$)

Power supply	Battery type	2 Li-Ion, Rechargeable (18650 battery)
	Battery operating	> 5 hours (@25°C)
Environment	Operating temp	-30°C ~ +50°C
	Storage temp	-40°C ~ +60°C
	Encapsulation	IP67
Physical characteristics	Color	Black (classic)
	Weight	≤1.6Kg
	Dimension	215 (L) ×195 (W) ×90 (H) mm
	Video output	PAL
	Data transmission	USB
	Tripod mounting	1/4"-20-UNC
	External optical	2X external lens (not standard)
Detection range (2 pixels)	Human (1.8*1.8) m	1800m
	Vehicle (2.3*2.3) m	2300m
Recognition range (6 pixels)	Human (1.8*1.8) m	600m
	Vehicle (2.3*2.3) m	767m
Identification range (12 pixels)	Human (1.8*1.8) m	300m
	Vehicle (2.3*2.3) m	383