

ThermalTronix

TT-1750HMS-NVBM

Thermal Camera Specifications



FEATURES

Resolution: Uncooled 384X288.

Lens: 41mm.

Display: OLED 800*600.

Function: Tack Photo, Record Video, GPS, Electrical Compass, Leaser Range Finder, CCD.

DESCRIPTION

TT-1750HMS-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-1750HMS-NVBM is the ideal choice for observing applications such as day/night surveillance, law enforcement, tracking, etc.

SPECIFICATIONS

Items		<i>ThermalTronix</i> TT-1750HMS-NVBM
Detectors	Detector type	DL Series Uncooled Micro-bolometer
	Spectral range	8 - 14 μ m
	Resolution	384x288
	Pixel size	17 μ m
	NETD	$\leq 100\text{mk}@30^{\circ}\text{C}$
Lens	Focal length	41mm
	FOV	9.0°x6.75°
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
	Storage mode	Picture & Video
	File format	BMP & AVI
	Storage capacity	More than 10000 images/2 hours of video

Laser finder	Spectral range	1.55µm
	Accuracy	≤2m (Target distance>50m)
	Measurement range	2km
Electrical compass	Azimuth accuracy	±0.6° RMS
	Elevation accuracy	±0.3°
GPS	Longitude and	5m
	Elevation	10m
TV module	Image sensor	1/3"HAD CCD
	Resolution	795x596
	FOV	9.0°x6.75° (±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~+70°C
	Encapsulation	IP67
Physical characteristics	Color	Black (classic)
	Weight	≤1.6Kg
	Dimensions	210 (L) x195 (W) x85 (H) mm
	Video output	PAL
	Data transmission	USB
	Tripod mounting	1/4"-20-UNC
	External optical	2X external lens (not classic)
Detection range (3 pixels)	Human (1.7*0.5) m	1900m
	Vehicle (2.3*2.3) m	2700m
Recognition range (6 pixels)	Human (1.7*0.5) m	600m
	Vehicle (2.3*2.3) m	900m