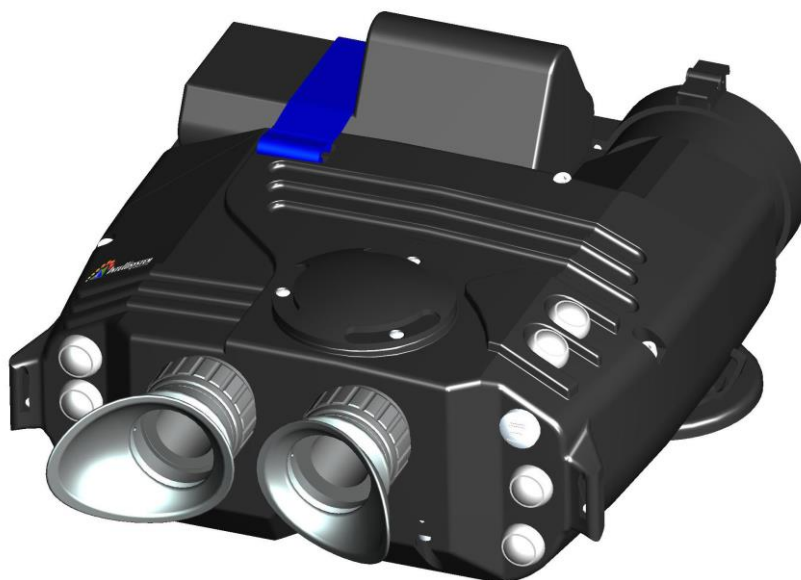


ThermalTronix

TT-1960AMS-NVBM

Thermal Camera Specifications



FEATURES

Resolution: cooled 640X512.

Lens: 24~240mm motorized continuous zoom.

Display: OLED 800*600.

Functions: Tack Photo, Record Video.

GPS, Electrical Compass, Leaser.

Range Finder, CCD.

DESCRIPTION

TT-1960AMS-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-1960AMS-NVBM is the ideal choice for observing applications such as day/night surveillance, law enforcement, tracking, etc.

SPECIFICATIONS

Items		<i>ThermalTronix</i> TT-1960AMS-NVBM
Detector characteristics	Detector type	Stirling cycle cooling
	Resolution	640*512
	Detector pitch	15µm
Thermal Imager	f/F	f=24mm-240mm, F=4 x10 (optical), Continuous zoom
	Field of view	23° x18° (±5%)
	MRTD	≤0.37°C (f0=3.63 C/mrad) (from OLED observing)
	NETD	≤35mk@25°C
	Frame frequency	25HZ
	Focus	Motor-driven / Auto focus
Day Light Imager	CCD	768x494 1/3'CCD
	Lens	100mm (2.8°x2.1°)
Laser Range Finder	Wave length	1.55µm
	Measurement Range	50m~5500m
	Range Measurement Accuracy	5m
Localization	Digital Magnetic Compass	(1)range:
		Azimuth 360°
		Elevation ±45°
		(2) accuracy:
		Azimuth ±0.5°
Elevation ±0.2°		

	GPS	(1) accuracy: Horizon 9m (90%) altitude 16m (90%) (2) Video data: Localization (3) Initiation time: 5min
Image display	Screen	OLED Binocular screen
Image operations	Brightness/Gain adjustment	Manual /Auto
	Image polarity	Black Hot/White Hot
	Digital zoom	x 2
Power	Battery	Lithium battery, Rechargeable, 24V/2500mAH
	External power	24V±3V DC
	Consumption	≤36W (25°C)
Environmental characteristics	Operating Temperature	-30°C~ 60°C
	Storage Temperature	-40°C~ 65°C
Physical characteristics	Weight	≤3.5Kg(exclude battery)
	Color	Black
	Size	278mm×250mm×110mm(exclude eye-mask)
Interface	External power interface	YES