ThermalTronix
TT-1930AMS-NVBM
Thermal Camera Specifications

FEATURES

High sensitivity.

Ultra-long-range observation.

Motorized continuous zoom.

Functions: Tack Photo, Record Video, GPS, Leaser Range Finder.

DESCRIPTION

TT-1930AMS-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-1930AMS-NVBM is the ideal choice for observing applications such as day/night surveillance, law enforcement, tracking, etc.

SPECIFICATIONS

Items		*ThermalTronix* TT-1930AMS-NVBM	
Detector	Detector type	Cooled MCT Detector	
	Spectral range	3 ~ 5 µm	
	Resolution	320×256	
	Pixel size	30µm	
System characteristics	NETD	≤30mk@25℃	
	MRTD	≤0.35℃(@f0)	
Optical characteristics	Focal length	24~240mm motorized continuous zoom	
	F number	4	
	FOV	2.3° ×1.8° ~ 23° ×18° (±5%)	
Image processing & Storage	Gain/Brightness	Manual/Automatic	
	Calibration	Automatic when start-up time Manual when working normal	
	Image Enhance	Yes	
	Image Filter	Yes	
	Digital zoom	2X,	
	Polarity	White hot/Black hot	
	Focus	Motorized	
	Video & Picture storage	Storage card	Built-in flash memory 16GB
		Storage mode	Picture & Video
		File format	JPG & AVI
		Storage capacity	Images : More than 1000 Video : More than 2 hours
Image display	Display	OLED Binocular，800×600	
	Diopter	-4 ~ +4	
	Self-localization System	GPS	

Information processor characteristics		GPS Accuracy (RMS)	Longitude & Latitude: 5m Altitude: 10m;
	DMC	Azimuth range:360° Elevation range：±40°	
		DMC Accuracy (RMS)	Azimuth: 0.6° Elevation : 0.3°
	LRF	Laser Spectrum	1.55 μm（Eye safe）
		Distance range	50m~8Km
		Accuracy:	≤2m (target more than 50m)
		Range resolution	≤30m
		Accurate measurement rate	≥96%
		Working Frequency	10times/min
	Target localization Accuracy (RMS)	≤30m(@8Km)	
Visible channel characteristics	Image sensor	1/3"HAD CCD	
	Resolution	795×596	
	Sensitivity	0.05 Lux	
	Horizontal resolution	600 TVL	
	Focal length	f=100mm,F=2.6	
	FOV	2.85°×2.13°（±5%）	
Environment	Operating temperature	-30℃～60℃	
	Storage temperature	-40℃～70℃	
	Encapsulation	IP67	
Power supply	Battery type	Rechargeable battery	
	Battery operating time	> 4 hours (@25℃)	
Physical characteristics	Weight	≤4Kg	
	Dimensions	278×250× 110mm	
	External power	Yes	
	Video output	PAL	
	Data transmission	USB	
	Communication	RS232	
	Tripod mounting	3/4"-20-UNC	
Detection range (3 pixels)	Human（1.7*0.5）m	6600m	
	Vehicle（2.3*2.3）m	9000m	
Recognition range (6 pixels)	Human（1.7*0.5）m	2200m	
	Vehicle（2.3*2.3）m	3300m	