

ThermalTronix

TT-1750MS-NVBM

Thermal Imaging Binoculars



FEATURES

- 384×288 un-cooled FPA detector.
- Auto focus.
- Photo and Record.
- GPS electronic compass.
- Laser range finder.
- Electrical zoom.
- IP67.

DESCRIPTION

TT-1750MS-NVBM is portable, handheld thermal imaging binocular observation equipment for day and night searching and observation, has photo and record functions. With features of anti-shock and vibration, enjoys wide operating temperature range and other characteristics, used in the fields of night vision observation and surveillance, security smuggling, criminal investigation, search and rescue and other fields.

SPECIFICATIONS

Items		<i>ThermalTronix TT-1750MS-NVBM</i>		
Detector	Detector type	Uncooled FPA microbolometer		
	Spectral range	8 ~ 14 μ m		
	Array size	384x288		
	Pixel size	25 μ m		
Machine Characteristics	NETD	$\leq 80\text{mk}@30^{\circ}\text{C}$		
Lens	Lens	61mm/F0.8		
	FOV	9.0°x6.75° ($\pm 5\%$)		
Image Characteristics	Brightness enhancement	Auto/Manual		
	Image enhancement	Yes		
	Filtering	Yes		
	Zoom	2X		
	Polarity	Black hot/white hot		
	Focus	Auto or electronics focus		
	Data storage	Storage	Built-in flash memory	
		Storage mode	Photo/record	
		File format	JPG/AVI	
		Storage capacity	More than 1000 images/2 hours of video	
Image Display	Display	High definition OLED , 800x600 , with adjustment		
	Auto standby	Sensitive		
Information Machine	GPS	GPS		
		Self-localization accuracy	Longitude and latitude 7m , Sea level 14m;	
	Electronic Compass	Accuracy	Azimuthal angle 0.6° , Angle of pitch 0.3°	
	Laser range finder	Working band	1.55 μ m (safe for human eye)	
		Distance	20m~2Km	
		Accuracy	$\leq 2\text{m}$	
		Range	$\leq 30\text{m}$	
		Success Rate	$\geq 96\%$	
		Working frequency	3/minute (urgency 10/minute)	
	Target location accuracy	$\pm 2\text{m}$ (within 1Km), $\pm 5\text{m}$ (1Km-2Km)		

Environment	Operating temp	-20°C ~ +50°C (Standard)
		-40°C ~ +60°C (Specially Made)
	Storage temp	-40°C ~ +60°C (Standard)
		-40°C ~ +65°C (Specially Made)
Encapsulation	IP67	
Power System	Battery type	Li-on, rechargeable
	Battery operating time	3 hours continuous working, range detection of 100 times (at normal temperature)
	Charging system	Special designed
Physical	Weight	≤2.5KG (include battery)
	Dimensions	265 (L) mm×210 (W) mm× 105 (H) mm
Interface	Power interface	NA
	Video output	CCIR/PAL
	Data transfer	USB
	Remote control	RS232
	Tripod mounting	1/4"-20-UNC
Detection Range	human (1.8*0.5) m	2000m
	car (2.3*2.3) m	2800m
Recognition Range	human (1.8*0.5) m	670m
	car (2.3*2.3) m	935m