

# *ThermalTronix*

## TT-1007D-MARINE

### Thermal Camera Specifications



#### FEATURES

- ❖ Built-in 384 \* 288 uncooled thermal imager with high thermal sensitivity, it could output clear video in total darkness.
- ❖ Integrate high-sensitivity CCD camera, 550 TV lines, and illumination up to 0.01 Lux in black and white mode.
- ❖ High-strength aluminum alloy body, sturdy and durable, effectively prevent the erosion from salt spray and seawater.
- ❖ Fully sealed design, protection class up to IP67, built-in surge & lightning protection devices.
- ❖ Internal integrated heating and demisting devices, operating temperature range -45°C ~ 55°C.
- ❖ Provides three video outputs, thermal imager video, high-sensitivity CCD camera video and composite video.
- ❖ Automatically identify control protocol and baud rate, support soft address, easy to use.
- ❖ Support automatic tracking and gyro function.

## SPECIFICATIONS

Items		<i>ThermalTronix TT-1007D-MARINE</i>
<b>Thermal Imaging Camera</b>	Sensor type	Uncooled FPA microbolometer
	Resolution	384×288
	Pixel size	25µm
	Spectral range	8~14µm
	Focal length	37mm
	Lens type	Athermalize, focus-free
	NETD	≤100mk
	Brightness/Gain adjustment	Manual adjust brightness/gain; Automatic adjust brightness and manual adjust gain; Automatic adjust brightness/gain
	Polarity	White hot/Black hot
	Digital zoom	2×
	Calibration	Manual and Automatically
<b>CCD Camera</b>	Effective pixel	PAL:752(H)×582(V); NTSC:768(H)×494(V)
	Video sensor	1/4" SONY EX-view HAD CCD
	Resolution	550 TVL
	Optical zoom	36
	Focal length	f=3.4 mm - 122.4 mm
	Iris	F1.6 - F4.5
<b>PTZ</b>	Pan range	0°~360° continuous
	Pan speed	0.04° -90°/s
	Tilt range	-15° ~ 90°
	Tilt range	0.3° ~ 60°/S
	Preset	256
<b>Power</b>	Power input	DC12V
	Consumption	35W/50W(Heater on)
<b>Environment</b>	Operation temp	-45°C~55°C
	IP index	IP67
<b>Ph</b>	Weight	7KG
	Size	Φ190(mm)×300(mm) with damper
<b>Interface</b>	Video	1channel thermal imaging video 1channel visible imaging video 1channel mixed video
	Communication	RS485, RS232