

# *ThermalTronix*

## TT-1060MD-FTM Series Thermal Imaging Camera



### FEATURES

- 384 x 288 uncooled FPA detector.
- Real time imaging.
- Front-end temperature measurement, high accurate.
- MPEG4 online video record and transmission.
- Auto Focus.
- Multiple ports, easy for integration.
- Offer SDK free.

### DESCRIPTION

Suitable for industrial process control, Electronic non-touch temperature measurement, electric fault detection and thermal field analysis.

## SPECIFICATIONS

Item		ThermalTronix	
		TT-1060MD40-FTM	TT-1060MD75-FTM
<b>Detector characteristics</b>	Detector	Uncooled FPA micro-bolometer	
	Resolution	384×288	
	Pitch size	35µm	
	Spectral range	8~14µm	
<b>Thermal Image</b>	IFOV	0.88mrad	
	FOV/Min Focus	16°×12°/0.5m	
	Thermal sensitivity	≤0.06°C@30°C	
	Frame Frequency	50/60HZ	
	Focus	Auto/Manual focus	
	Lens	40mm	75mm
<b>Measurement Functions</b>	Measurement range	-20 °C ~ +500 °C	
	Measurement correction	Auto/Manual	
	Measurement accuracy	±2°C or ±2% of reading, whichever is greater	
	Measurement mode	Up to 4 movable spots. Up to 3movable areas	
	Color Palette	11 palettes available (including iron red, rainbow, black/white etc.)	
	Image adjustment	Auto/manual Gain, brightness	
	Setup function	Temperature unit, language, IP address	
	Emissivity correction	Variable from 0.01 to 1.0	
	Ambient temperature correction	Automatic correction according to user input.	
	Atmospheric transmission correction	automatic correction according to the user input of object distance, relative humidity, ambient temperature	
<b>Image storage</b>	Raw image capture	Raw images real-time transfer via client control software, the images are analyzable and measureable	
	Image storage	MPEG-4 video recording raw data transmission. Single image capture BMP	
<b>Power Supply</b>	Power in	10~15V DC	
	Power consumption	≤6W(@ 25°C normal operation)	
<b>Environment</b>	Operating temperature	-15°C ~ +50°C	
	Storage temperature	-40°C ~ +60°C	
	Encapsulation	IP40	
<b>Physical characteristics</b>	Weight	≤1.09Kg (W/O lens)	
	Size	260mm×92mm×82mm	
<b>Interface</b>	Power port	YES	
	Analog video output	PAL/NTSC	
	Digital video output	RJ-45 Ethernet output, H.264 digital video / raw measurement data	
	Serial Port	RS485	
	Ethernet Port	RJ-45 to transfer the image, data and device control	
	Alarm output	I/O alarm output	

## STRUCTURE

