ThermalTronix

TT-1066MD-FTM Series
Thermal Imaging Camera

FEATURES

640 x 480 uncooled FPA detector.

50HZ Real time imaging.

Front-end temperature measurement, high accurate.

H.264 network video record and transmission.

IP54 (Support IP67 customization).

Temp measurement range -20℃ ~ +650℃ (can be expanded to 1200℃ or 2000℃).

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-1066MD-FTM Series		
		TT-1066MD18-FTM	TT-1066MD37-FTM	TT-1066MD75-FTM
Detector characteristics	Detector	Uncooled FPA micro-bolometer		
	Resolution	640×480		
	Pitch size	25µm		
	Spectral range	8~14µm		
Thermal Image	Focal length	18mm	37mm	75mm
	IFOV	1.38mrad	0.67mrad	0.33mrad
	FOV/Min Focus	51°×38°/0.1m	25°×19°/0.1m	12°×9°/0.5m
	Thermal sensitivity	≤0.06℃@30℃		
	Frame Frequency	50/60HZ		
	Focus	Auto/electronic focus/Preset		
Measurement Functions	Measurement range	-20 ℃ ~ +650 ℃		
	measurement correction	Auto/Manual		
	Measurement accuracy	±2℃ 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		
Image storage	Raw image capture	Raw images real-time transfer via client control software, the images are analyzable and measureable		
	Image storage	H.264 continuous video. Single image capture BMP		
Power Supply	Power in	10~15V DC		
	Power consumption	≤7W (@ 25℃ normal operation)		
Environment	Operating temperature	-15℃~ +50℃		
	Storage temperature	-40℃~+70℃		
	Encapsulation	IP54		
Physical characteristics	Weight	≤1Kg (Standard lens)		
	Size	W72mm×H76×D232mm (Standard lens)		
Interface	Power port	YES		
	Analog video output	PAL		
	Digital video output	RJ-45 Ethernet output (1000Mbit/S)		
	Serial Port	RS485 (optional)		
	Tripod	1/4"-20		