ThermalTronix

TT-1010MD-FTM
Thermal camera specification

FEATURES

With 160*120/120*120 pixels (optional) the TT-1010MD-FTM series infrared camera is a collection of infrared, visible light in one Network-based thermal imaging cameras, with dual-band image Enhancement technology, small size and cost-effective features. Ideal for power distribution cabinets, processing and manufacturing, data center, transportation and public transit, continuous condition monitoring and hot spot detection of power plants and storage facilities.

SPECIFICATIONS

Item		Specification
Detector	**Type**	Uncooled FPA bolometer
	Array size	160x120
	Pixel size	25um
	Spectral range	8-14um
	Frame rate	12 Hz
	Thermal sensitivity	0.10℃@30℃
Lens	**Focal length**	3.8mm/F1.0
	FOV	60°x45°
	DOF range	0.1m~∞
	Focus type	Fixed lens
	Interface type	Fixed
Image	**IFOV**	6.6mrad
	Visible fusion	High precision image fusion
Image display	**Pseudo color**	6 kinds（iron, white hot, black hot, rainbow, cool metal, chrysophoron）
Measure	**Measure range**	-20℃~ +250℃
	Measure accuracy	±2℃ or ±2%
	Measure calibration	Auto/manual，shutter
	Measure mode	6 movable spots, 6 movable areas with highest and lowest temp display and tracking, temp alarm (voice, color), Isothermal and difference measurement.
	Temp color code	Adjustable
	Emissivity	0.01～1.0 adjustable（increment 0.01）
	Background temp calibration	Yes
	Atmospheric transmissivity	Yes
	Configuration	Date/time/format, temperature unit℃/℉/K, language, network parameter
Storage	**Original data collection**	Signal frame/25 frame original data image manually collect, the data collected can be analyzed and measured.
	Image storage	MPEG4 real-time continuous image recording；built-in SD card, 7x24 data recording(thermal +visible image)；Captured image saved as JPEG format
Power	**External power**	DC 12V
	Power consumption	≤3W(Normal operation at 25℃)
Environment	**Working Temp**	-15℃~+50℃
	Storage Temp	-40℃~+70℃
	Humidity	≤95% Non - Condensing
	Protection Level	IP54
	Shock resistance	25G, IEC68-2-29
	Anti-knock	2G, IEC68-2-6
Security	**Electromagnetic compatibility**	CE/FCC
	Hazardous substances control	RoHS/PAHs
Physical characteristics	**Dimension**	56×84×30mm
	Weight	150g
	Material	Plastic
Interface	**Tripod**	Reserve tripod interface,，M3 thread mouth
	Network	100M Ethernet port, Support TCP/IP、ONVIF protocol
Back-end	**Software**	Provide DEMO software and SDK for clients' integration