INTELLISYSTEM TECHNOLOGIES

Online Front-end Temperature Measurement Thermal Imaging Camera

ThermalTronix

TT-1066MD-FTM

TT-1063MD-FTM

ThermalTronix

TT-1063MD-FTM
TT-1066MD-FTM

Newly released by INTELLISYSTEM serial is one kind of online IR thermal imaging camera with the pixel of 384×288/640×480 and front-end measurement technology. It has the features of precise & stable measurement performance, smooth network transmission, high protective structure, convenient installation, complete SDK software. It is now widely applied in industry, power, and technology research areas.

384×288/640×480 pixel

IP54

Continuous recording in format H.264

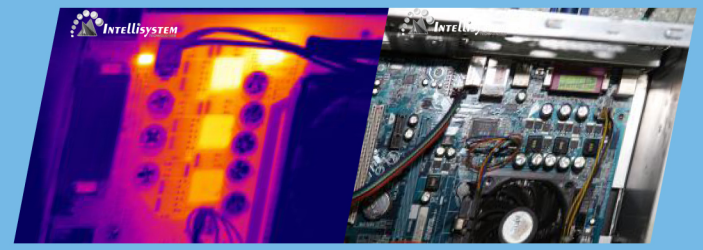
Convenient installation & integration

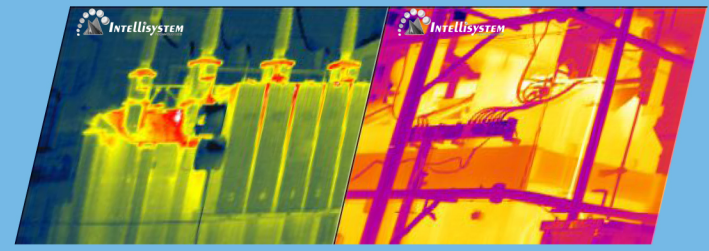
Front-end measurement

The front-end can finish image processing and temperature operation, simulate video and output directly to the monitor or via the web or CMS to preview the video. The single frame or continuous collection of raw data is for the second temperature analysis.

★Free **SDK** software is available!

Application





INTELLISYSTEM TECHNOLOGIES

THERMAL IMAGING CAMERA MANUFACTURER

TT-1063MD-FTM/TT-1066MD-FTM Series

Continuous recording

video output

Network interface

Reset switch

RS485

2 IO control ports

Debugging port

Power

Tripod socket available both in the profile and bottom

Optional Lens

PTZ

Protecting cap

EXCELLENT IMAGE QUALITY

640 ×480 Pixel

ThermalTronix

TT-1066MD-FTM
TT-1063MD-FTM

Technical Parameter

Items		TT-1066MD-FTM	TT-1063MD-FTM
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer	
	Array size/format	640×480	384×288
Image characteristics	Field of view/min focus distance	25°×19°/0.1m	
	Spatial resolution (IFOV)	0.67mrad	1.39mrad
	Thermal sensitivity	≤0.06℃@30℃	
	Frame frequency	50/60Hz	
	Focus	Auto / Electric	
	Zoom	X2 X4	
	Spectral range	8-14um	
	Color palette	11palettes changeable	
	Image adjustment	Auto/manual gain and brightness	
Measurement	Temperature ranges	-20℃~650℃	
	Accuracy	±2 ℃ or ± 2% of reading, Whichever is greater	
	Measurement calibration	Automatic / Manual	
	Measurement mode	4 movable spots. 3 movable areas (maximum, minimum and average temperatures). Line profile. Isotherms. Temperature difference. Alarm(color)	
	Emissivity correction	Variable from 0.01 to 1.0	
	Background temperature correction	Automatic corrections according to user input	
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature	
Set up	Setup functions	Temperature Unit ℃/°F/k	
Image storage	Storage mode	Back-end manual/auto single frame image storage, continuous recording	
	Original data	Single frame/continuous collection of original data with analysis and measurement	
	image storage	Manual/auto single frame storage with BMP format	
	Recording format	Continuous recording with H.264 format	
Power source	Input voltage	DC10-15V	
	Power dissipation	9W	7W
Interface	Power interface	Yes	
	Analog video output	PAL	
	Digital video output	Ethernet port	
	Serial port	RS485 (optional)	
	Alarm (IO port)	2 IO control ports	
	Debugging port	Connecting to control key board	
	Reset switch	YES	
	Earthing	YES	
Environment	Operating temperature	-15℃ ~ +50℃	
	Storage temperature	-40℃ ~ +70℃	
	Encapsulation	IP54	
	Humidity	≤90%non-condensing	
	Anti-vibrated	25G , IEC68-2-29	
	Shock-resistant	2G , IEC68-2-6	
	Electromagnetic compatibility	In accordance withCE/FCC	
Physical characteristics	Weight	≤1Kg(Standard lens)	
	Dimension (W×H×D)	72mm×76×232mm(Standard lens)	

▲ The information contained in this document is subject to change without notice

Online application in power industry

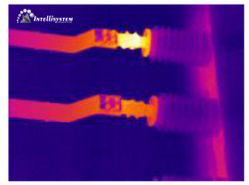
Online application in technology research

Online application in new energy

Online application in inspection & quarantine

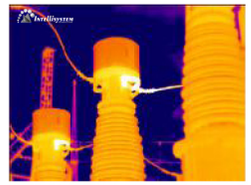
Online application in forest fire prevention

Online application in industrial detection



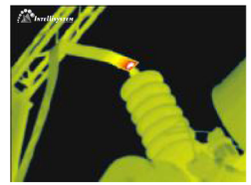
Decrease of bushing insulation

Sleeve connection overheating



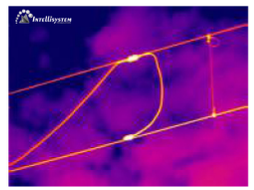
Overheating

Overheating junction

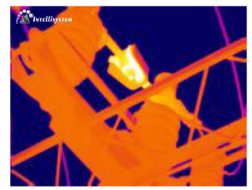


Abnormal neutral point connector of transformer

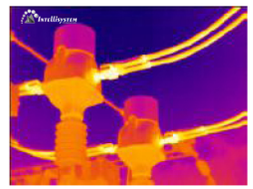
High voltage wire porcelain set overheating



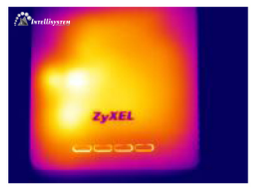
Circuit fault



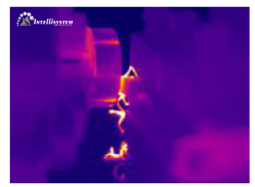
Poor contact



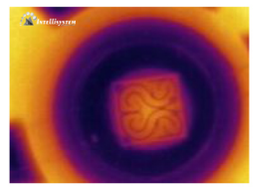
Main transformer switch



Scientific research

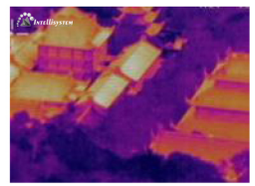


Glass processing

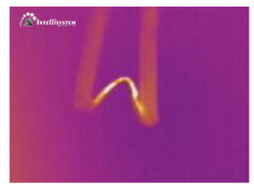


New energy

Airport body temperature examination



Forest fire prevention



Scientific research

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