

Thermal Imaging Module

Uncool type

ThermalTronix

TT-1760D-MPS Series

160 × 120 uncool FPA detector

Low cost, 50Hz realtime measurement

Apply to surveillance





Power connector
Video/Control/RS232 connector

TT-1760D-MPS series is designed to be a low cost good quality infrared imaging module. Featured with low power consumption, low noise, ultra-compact and real-time thermal video surveillance (50Hz), TT-1760D-MPS offered continuously infrared thermal imaging video output under wide operating temperature range and image storage function, which meets variety application including industry medical electronic, research, public safety and etc.



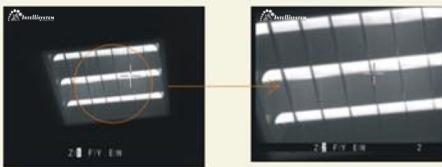
Optional lenses



Parameter

Item	TT-1760B-MPS	TT-1760C-MPS	
Detector characteristics	Detector type	Uncooled FPA microbolometer	
	Array size/format	160x120	
	NETD	≤100mK@f/1, 300K, 50Hz	
	Frame rate	50Hz	
	Spectral range	8-14μm	
Image manage	A/D Resolution	14Bit	
	Video D/A	10Bit	
Thermal image adjust	Brightness/Gain adjustment	Manual adjust brightness/gain, Automatic adjust brightness and manual adjust gain, Automatic adjust brightness/gain	
	Automatic adjust brightness/gain mode	2 fixed modes, 8 user-defined modes	N/A
	Image polarity	Hot black/hot white	
	Noise reduction	YES	
	Image enhancement	YES	
	Calibration	Automatic adjust in start time, manual adjust in stable state	
	Crosshair	On/off	
Power supply	External power	10~15V DC , 8V±1V DC customized	
	Power consumption	≤3.5W (Normal operating at 25°C)	≤2.8W (Normal operating at 25°C)
	Driver for lens focus	Driver capability 8V 100mA	
Environment	Operating temperature	-40°C - +60°C	
	Humidity	-40°C - +70°C	
Physical characteristics	Weight	≤280g	
	Dimensions	66mm×63.5mm×52mm	
Interface	External DC input	Yes	
	Video output	PAL	
	Digital video output	N/A	16bit digital output
	Command interface	Yes, 5 button keyboard	
	Remote control interface	RS232 , RS422/RS485 customized	N/A

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



2X electronic zoom



Hotblack/hotwhite reverse display



Multi user-defination image mode



Brightness/gain adjustment