



# ThermalTronix TT-18D-MPS Series SERIES MODULE



OEM thermal imaging cores for system integration

## Features



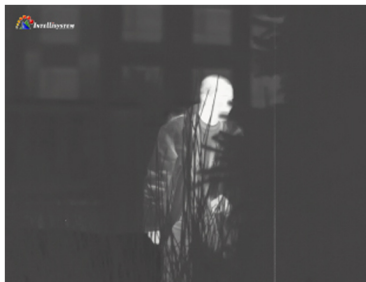
- Intellisystem self-innovation detector ,cost effective
- Small & light with multiple interface for easy integration
- High resolution, sharp image
- Low consumption
- Color palettes as option for better observation
- Perfect operational temperature adaptability: -40°C ~ +60°C



Series Module



## Application

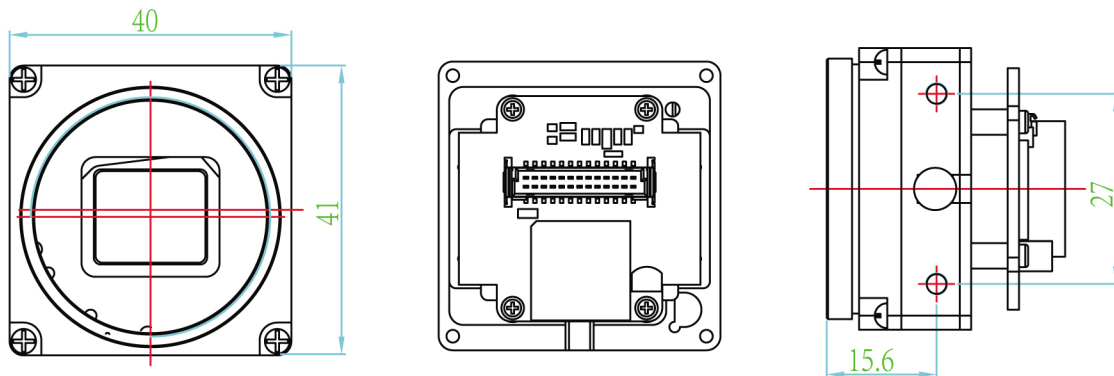


# Specifications

	Items	TT-1880AD-MPS	TT-1880BD-MPS	TT-1840D-MPS
Detector characteristics	Detector type	Uncooled FPA microbolometer		
	Array size	384×288	384×288	640×480
	Pixel	25um	17um	17um
	Spectral range	8~14um		
	Temp control	TEC		
	NETD	≤60mK(f/1,300K,25-50Hz)		
	Thermal time constant	≤5ms		
Image characteristics	Frame rate	50Hz		
	Display resolution	768×576		640×480
	Analog video output	PAL		
	Digital Video	14-bit parallel CMOS/8-bit BT.656		
	Gain/Brightness adjustment	Manual brightness/gain ; auto brightness/manual gain ; auto brightness/gain		
	Digital zoom	2X、 3X、 4X		
	Calibration	Manual and Auto		
System characteristics	Communication Protocol	Intellisystem/PELCO-D protocol		
	Image Filter	YES, Digital filter		
	Polarity inversion	White/black hot mode		
Power supply	External power	DC 5V±0.2V		
	Power consumption	≤1.8W(normal atmospheric temp)		≤2W(normal atmospheric temp)
Electrical interface	Power interface	YES		
	Analog video output	YES		
	Digital Video output (optional)	YES		
	Serial port	TTL 3.3V		
Environment	Operation temperature	-15℃~ +50℃ (Can expanded to -40℃~ +60℃)		
	Storage temperature	-40℃~ +70℃		
	Humidity	5~95%, Non condensing		
physical characteristics	Size (mm)	40× 41× 35mm		
	Weight	≤76g(including housing、 shutter)		
	Lens mount interface	M34×0.75 ;screw thread		
	Mechanical interface	2×M3(four sides); screw hole		
	Electrical connector	26 pins connector(including cable)		

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

## Dimensions



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