

ThermalTronix

TT-L-UTCM Series

Thermal Camera Specifications



FEATURES

384×288, Uncooled FPA micro-bolometer.

Small size, able to be integrated with different speed dome and housing.

A thermalized lens, focus free.

Control by RS485, and PELCO-D/P protocol.

Come with grey alarm with its grade settable.

Optional lens available.

DESCRIPTION

Especially suitable to the day/night surveillance in residential district, park, dock, etc.

SPECIFICATIONS

Items		<i>ThermalTronix TT-L-UTCM Series</i>			
		TT-1009L-UTCM	TT-1018L-UTCM	TT-1037L-UTCM	TT-1050L-UTCM
Detector characteristics	Detector type	Uncooled FPA micro-bolometer			
	Array size	384×288			
	Pixel	25um			
	NETD	≤100mK@f/1,300K			
	Frame rate	50HZ			
	Spectral range	8-14μm			
Lens	Focal length	9mm	18mm	37mm	50mm
	FOV	61.1°*45.8°	30.6°*22.9°	14.8°*11.1°	11°*8.2°
	Fixed focus range	0.8m~∞	3m~∞	12m~∞	23m~∞
	Lens type	A thermalized, focus free			
Measurements	Gain/Brightness adjustment	Manual brightness/gain; auto brightness/manual gain; auto brightness/gain			
	Polarity inversion	White/black hot mode			
	Digital zoom	2X			
	Calibration	Automatic/manual			
	Noise reduction	Yes			
	Image enhancement	Yes			
	Automatic brightness/gain configuration adjustment	2 fixed patterns, 8 user-defined modes			
Grey alarm	Built-in function , 6 grade				
Power supply	External power	DC10V-15V			
	Power consumption	≤2.5W(Normal operating at 25°C ambient temperature condition)			
Environment	Operation temperature	-20°C ~ +50°C			
	Storage temperature	-40°C ~ +70°C			
Physical Characteristic	Weight	≤520g			
	Dimensions	92mm*36mm / 92mm*44mm / 100mm*53mm / 112mm*60mm			
Interface	Power supply interface	Yes			

	Video output	PAL			
	Alarm interface	Turn on/off signal (For grey alarm)			
	Remote control interface	RS485 (PELCO-D/P)			
Observation range	1.8x0.5m Human (detection)	330m	660m	1340m	1800m
	2.3x2.3m Car (detection)	425m	850m	1700m	2300m
	1.8x0.5m Human (Identification)	110m	220m	445m	600m
	2.3x2.3m Car (Identification)	212m	425m	850m	1150m