ThermalTronix

TT-D-UTCM Series
Thermal Camera Specifications

FEATURES

384✕288, Uncooled FPA micro bolometer.

Standard IR module with multiple connector, easy to be integration.

RS485 control, PELCO-D/P.

With grey alarm function, alarm grade settable.

Multi optional lens.

DESCRIPTION

Especially suitable to the day/night surveillance in forest, marine and frontier defense, dock, road, etc.

SPECIFICATIONS

Items		*ThermalTronix* TT-D-UTCM Series						
		TT-1009D-UTCM	TT-1018D-UTCM	TT-1037D-UTCM	TT-1050D-UTCM	TT-1075D-UTCM	TT-1100D-UTCM	TT-1150D-UTCM
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer						
	Resolution	384×288						
	Detector pitch	25μm						
	Spectral response	≤100mK@f/1,300K						
	NETD	50Hz						
	Frame rate	8~14μm						
Lens	Focal length	9mm	18mm	37mm	50mm	75mm	100mm	150mm
	FOV	61.1°*45.8°	30.6°*22.9°	14.8°*11.1°	11°*8.2°	7.3°*5.7°	5.4°*4.1°	3.6°*2.7°
	Lens type	Thermalized, focus free				Motorized		
Thermal image adjust	Gain/brightness adjustment	Manual adjust brightness/gain; Automatic adjust brightness and manual adjust gain; Automatic adjust brightness/gain modes						
	Image polarity	White hot / Black hot						
	Digital Zoom	2x						
	Calibration function	Automatic/manual adjust						
	Noise reduction	Yes						
	Image enhancement	Yes						
	Automatic brightness/gain configuration adjustment	2 fixed patterns, 8 user-defined modes						
	Grey Alarm	Integrated with module, 6 level of grey grade						
Power supply	Input voltage	10~15V DC						
	Power consumption	＜5W (Normal operating at 25℃ ambient temperature condition)						
Environment	Operating temperature	-20℃ ~ +50℃						
	Storage temperature	-40℃ ~ +70℃						

Physical characteristics	Weight	<500g	<600g	<650g	<650g	<1650g	<1650g	<2100g
	Size	124*Φ40	132*Φ44	132*Φ53	145*Φ60	186.9*Φ113	206.3*Φ113	284.5*Φ149
Interface	External DC input	Yes						
	Analog video	PAL						
	Alarm	Switch signal output (grey level alarm)						
	Lens zoom	Yes						
	Lens focus	Yes						
	Lens zoom preset	Yes						
	Lens focus preset	Yes						
	Serial port	RS485 (PELCO-D/P)						
Observation range (m)	1.8x0.5m Human (detection)	330m	660m	1340m	1800m	2700m	3600m	5600m
	2.3x2.3m Car (detection)	425m	850m	1700m	2300m	3480m	4600m	7100m
	1.8x0.5m Human (Identification)	110m	220m	445m	600m	900m	1200m	1800m
	2.3x2.3m Car (Identification)	212m	425m	850m	1150m	1740m	2300m	3550m