

ThermalTronix

TT-J-UTCM Series

Thermal Camera Specifications



FEATURES

384×288, Uncooled FPA micro-bolometer.

50HZ real-time imaging.

Optional brightness/gain configuration adjustment for your easy operation in different condition of environment.

Support IP66.

DESCRIPTION

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

SPECIFICATIONS

Items		<i>ThermalTronix</i> TT-J-UTCM Series	
		TT-140J-UTCM	TT-175J-UTCM
Detector Characteristic	Detector type	Uncooled FPA micro-bolometer	
	Array size/format	384×288	
	Detector pitch	25µm	
	NETD	≤100mK@f/1,300K	
	Frame rate	50Hz	
	Wave range	8-14µm	
Lens	Focal length	40mm	75mm
	FOV	13.7°*10.3°	7.3°*5.5°
	Lens type	Motorized focus	
Measurements	Brightness/gain	Manual brightness/gain; Automatic brightness/manual gain; Automatic brightness/gain	
	Polarity reversal	Black hot/white hot	
	Electronic zoom	2x	
	Calibration	Auto/Manual	
	Noise reduction	Yes	
	Enhancement	Yes	
	Automatic brightness/gain configuration adjustment	2 fixed patterns, 8 user-defined modes	
Power supply	Power Supply	10-15V DC	
	Consumption	≤6W (Normal operating at 25°C ambient temperature condition)	
Environment requirement	Work temperature	-20°C~55°C	
	Storage temperature	-45°C~65°C	
Physical characteristics	Weight	< 2kg	
	Dimensions	130mm*96mm*305mm	
	Encapsulation	IP66	
Interface	Power interface	Yes	
	Video Output	PAL	
	Control protocol	RS485 (PELCO-D/P)	
Observation range (M)	1.8x0.5m Human (detection)	1320m	2475m
	2.3x2.3m Car (detection)	1840m	3450m
	1.8x0.5m Human (Identification)	440m	900m
	2.3x2.3m Car (Identification)	610m	1150