ThermalTronix

TT-1040S-UTCM   **TT-1075S-UTCM**

FEATURES

384×288, Uncooled FPA micro bolometer.

50HZ real time imaging.

Thermal image auto focus.

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

Standard connectors, easy for your integration.

DESCRIPTION

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

SPECIFICATIONS

Items		TT-1040S-UTCM	TT-1075S-UTCM
Detector	Detector type	Uncooled FPA micro bolometer	
	Array size/format	384×288	
	Pixel size	25um	
	NETD	≤100mK@f/1,300K	
	Frame Rate	50Hz	
	Wave range	8-14um	
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	Manual/Auto	
	Noise reduction	Yes	
	Enhancement	Yes	
	Automatic brightness/gain configuration adjustment	2 fixed patterns, 8 user-defined modes	
Power supply	External power supply	10-15 V DC	
	Power consumption	≤6W (Normal operating at 25℃ ambient temperature condition)	
Environment requirement	Work temperature	-20℃ ~ +55℃	
	Storage temperature	-45℃ ~ +65℃	
Physical characteristics	Weight	≤700g	≤1000g
	Dimension	164mm×63mm×74mm	186.6mm×96mm×96mm
Interface	External power	DC12V±20%	
	Video output	PAL	
	Communication interface	RS485（PELCO-D/P）	
Observation range	1.8x0.5m Human (detection)	1450m	2700m
	2.3x2.3m Car (detection)	1850m	3480m
	1.8x0.5m Human (Identification)	480m	900m
	2.3x2.3m	920m	1740m