ThermalTronix

TT-JH Series
Technical Specifications

FEATURES

❖ 640x480 uncooled detector.

❖ 50HZ real-time.

❖ Small size low consumption.

DESCRIPTION

Applicable to the Districts, prison perimeters, terminals, oil fields, parks, roads, scientific research and other industry applications.

SPECIFICATIONS

Items		ThermalTronix				
		TT-J37H	TT-J50H	TT-J75H	TT-J100H	TT-J100CH
Detector	Detector type	Uncooled FPA				
	Array pixel	640×480				
	Pixel pitch	17μm				
	Frame rate	50HZ				
	Spectral range	8-14um				
Lens	Lens	37mm	50mm	75mm	100mm	25~100mm
	FOV	16.9°×12.6°	12.5°×9.4°	8.3°×6.2°	6.2°×4.7°	24.9°×18.7° ~6.2°×4.7°
	Lens type	Mechanical athermal			Electric focus	
Thermal Operations	NETD	≤100mK@f/1,300K				
	Brightness/gain adjustment	Auto/manual				
	Auto brightness/gain mode	1 customized mode				
	Polarity	Black hot/white hot				
	Pseudo color	Kinds of pseudo color				
	Electric zoom	1X/ 2X/3X/4X				
	Calibration	Manual, timing auto (short, medium, long, closed)				
Power supply system	External power	DC12V				
	Consumption	≤6W (normal working)				
Environmental parameters	Working temperature	-15℃~+50℃, scalable to -40℃~+60℃				
	Storage temperature	-40℃~ +70℃				
	Protection level	IP40				
Physic characteristics	Weight	≤0.25Kg	≤0.30Kg	≤0.9 Kg	≤1.2 Kg	≤2.1 Kg
	Dimensions (L*W*Hmm)	84×53×53	97×60×60	140×86× 103	171×116× 116	207×150× 150
Interface	Power supply interface	DC12V				
Interface	Video output	PAL				
	Motor interface	The two groups (the one for focus motor, the one for zoom motor).				
	Port	RS485 (protocol: PELCO-D/PELCO-P optional, address: 0~7 optional, baud rate: 2400, 4800, 9600, 19200 adaptive).				
Observation distance	Human identification distance	600	800	1200	1600	1600
	Human detection distance	1800	2400	3600	4800	4800