

Cooled Thermal Imaging Camera

Security observation

ThermalTronix

TT-1930SL-BFTC

320×256 Cool FPA detector
High thermal sensitivity



With advanced cooled FPA infrared detector 320x256 pixels, TT-1930SL-BFTC cooled thermal imaging camera features easy operation and strong environment adaptability, which is ideal for applications such as surveillance, monitoring, suppress smuggling, search as well as forest fire protection and etc.



Weather conditions: 25°C, 1atm, visibility 10Km, 60%RH(Narrow FOV)

Object size 2.3 × 2.3m, Max. detect distance 8000m

Object size 1.7 × 1m, Max. detect distance 4000m

Note: detect distance relate to size of object, heat grade,
lens specification, weather condition

Parameter

Items		TT-1930SL-BFTC
Detector characteristics	Detector type	HgTeCd Cooled FPA detector
	Array size/format	320×256
Image characteristics	Field of view/min focus distance	Wide 9.2°×7.3° /5m Narrow 2.3° ×1.8° /30m
	Spatial resolution (IFOV)	Wide 0.5mrad Narrow 0.125mrad
	Time for view switch	≤2S
	NETD	≤20mk@30°C,F2
	Frame rate	50HZ
	Focus	Auto/manual electronic focus
	Spectral range	3.7-4.8μm
Thermal image adjust	Start-up time	<8min (At 25°C ambient temperature condition)
	Brightness/Gain adjustment	Manual adjust brightness/gain, Automatic adjust brightness and manual adjust gain, Automatic adjust brightness/gain
	Automatic adjust brightness/gain mode	2 fixed modes, 8 user- defined modes
	Image polarity	Hot black/hot white
	Electronic zoom	2X
	Noise reduction	Yes
	Image enhancement	Yes
Power supply	External power	24±3V DC
	Power consumption	<14W(Normal operating at 25°C ambient temperature condition)
Environment	Operating temperature	-40°C- +55°C
	Storage temperature	-45°C- +65°C
	Encapsulation	IP67
Physical characteristics	Weight	≤8Kg
	Dimensions	417mm×147mm×179mm
Interface	External DC input	Yes
	Video output	PAL
	Remote control interface	RS422
	Input interface	Non- synchronous input

▲ The information contained in this document is subject to change without notice