

Thermal Imaging Camera

Online condition monitoring

ST380

384x288 uncool FPA detector

Temperature Measurement



ST380

Features

- ◆384 x 288 uncooled FPA detector
- ◆50HZ Real time imaging
- ◆Front end temperature measurement, high accurate.
- ◆H.264 network video record and transmission.
- ◆IP54(Support IP67 customization)
- ◆Temp measurement range -20°C~+650°C(Can be expanded to 1200°C or 2000°C)
- ◆With Video output for connecting to TV monitor(with AV IN) for body temperature measurement.

Application

ST380 is a thermal imaging camera which can detect the surface temperature of any objects in the field of view. In Hong Kong, it has been used in many schools to screen out high temperature students.



Product Specifications:

Item		ST380		
Detector characteristics	Detector	Uncooled FPA microbolometer		
	resolution	384×288		
	Pitch size	25μm		
	Spectral range	8~14μm		
Thermal Image	Focal length	9mm	18mm	37mm
	IFOV	2.78mrad	1.39mrad	0.67mrad
	FOV/Min Focus	51°×38°/0.1m	25°×19°/0.1m	12°×9°/0.5m
	Thermal sensitivity	≤0.06°C@30°C		
	Frame Frequency	50/60HZ		
	Focus	Auto/electronic focus/Preset		
Measurement Function	Measurement range	-20 °C ~ +650 °C		
	measurement correction	Auto/Manual		
	Measurement accuracy	±2°C or ±2% of reading, whichever is greater		
	Measurement mode	Up to 4 movable spots. Up to 3movable areas		
	Color Palette	11 palettes available(including iron red, rainbow, black/white etc)		
	image adjustment	Auto/manual Gain, brightness		
	Setup function	Temperature unit,language,IP address		
	Emissivity correction	Variable from 0.01to 1.0		
	ambient temperature correction	Automatic correction according to user input.		
	Atmospheric transmission correction	automatic correction according to the user input of object distance, relative humidity, ambient temperature		
Image storage	Raw image capture	Raw images real-time transfer via client control software, the images are analyzable and measureable		
	Image storage	H.264 continuous video. Single image capture BMP		
Power Supply	Power in	10~15V DC		
	Power consumption	≤7W(@ 25°Cnormal operation)		
Environment	Operating temperature	-15°C~ +50°C		
	Storage temperature	-40°C~ +70°C		
	Encapsulation	IP54		
Physical characteristics	Weight	≤1Kg(Standard lens)		
	Size	W72mm×H76×D232mm(Standard lens)		
	Power port	YES		
Interface	Analog video output	PAL		
	Digital video output	RJ-45 Ethernet output(1000Mbit/S)		
	Serial Port	RS485(optional)		

The information contained is subject to change without notice

Sole Hong Kong distributor:

Suntech Instruments Co Ltd Tel: 3525 7168 Email:sales@suntech-hk.com www.suntech-hk.com