AST
Accurate Sensors Technologies

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Affordable High Resolution Thermal Imager

CE -20…….600º C

ThermEye 384 L

ThermEye 384 L is an online condition monitoring infrared thermal imaging camera developed with new generation uncooled FPA detector. With high thermal sensitivity, clear IR image, accurate temperature and easy operation, It is suitable for a wide variety of applications of process condition non-contact temperature measure, quick Fault Diagnosis and heat field analysis in field of industry, electricity, electronic condition state detection.

- Easy to use
- 384 x 288 uncooled FPA detector
- Process Stat Monitoring
- Auto Focus, Dual Storage, Full Screen CCD
- Small spot sizes
- Fast response time
- Very good stability
- 50/60 Hz real time measurement
- Color alarming

Applications

Electrical
Electronics
Power
Steel
Cement
Petrochemicals
Scientific Research
Health science
Fire Fighting
Building Inspection
Metallurgy

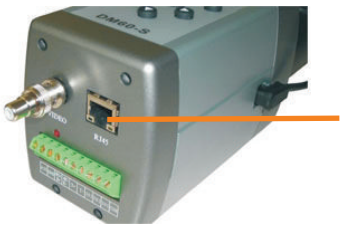
We Measure Temperature Accurately even in extreme Conditions

SPECIFICATIONS

ITEM		ThermEye 384 L
Detector characteristics	Detector type	Uncooled FPA microbolometer
	Array size/format	384x288
Image characteristics	Field of view/min focus distance	16°x12°/0.5m
	Spatial resolution (IFOV)	0.88mrad
	Thermal sensitivity	≤0.06°C@30°C
	Frame rate	50/60Hz
	Focus	Auto/Manual electric focus
	Spectral range	8- 14μm
Measurement	Temperature ranges	-20°C to +180°C Extend to +600°C
	Accuracy	± 2°C or ± 2% of reading. Whichever is greater
	Measurement correction	Automatic/manual
	Measurement mode	Up to 4 movable spots Up to 3 movable areas (maximum, minimum and average temperatures). Line profile. Isotherm. Temperature difference Alarm (color)
	Color palette	11 palettes changeable Iron, Rainbow. Grey and Grey inverted, etc.)
	Image adjustment	Auto/manual gain and brightness
	Setup functions	Temperature unit, language, IP Address
	Emissivity correction	Variable from 0.01to 1.0
	Ambient temperature correction	Automatic corrections according to user input
	Atmospheric transmission correction	Automatic correction according to user input 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 temperature measurable
	Image Storage	MPEG-4 images storage, single
		Single image capture. BMP
Power supply	External power	10-15V DC
	Power Consumption	≤6W (Normal operating at 25°C ambient temperature condition)
Environment	Operating temperature	-15°C to + 50°C
	Humidity	≤90%non-condensing
Physical characteristics	Weight	≤1.09 Kg (Exclude Lens)
	Dimensions	260mmx92mmx82mm
Interface	External DC input	Yes
	Analog Video output	PAL/NTSC
	Digital Video output	RJ-45 ethernet output, MPEG-4 digital video/raw temperature measured
	Remote Control Interface	RS485
	Ethernet Interface	RJ-45 ethernet output for thermal image, data transfer. and camera control
	Alarm Interface	Switch signal output

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

PCB Detection



LAN Port

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