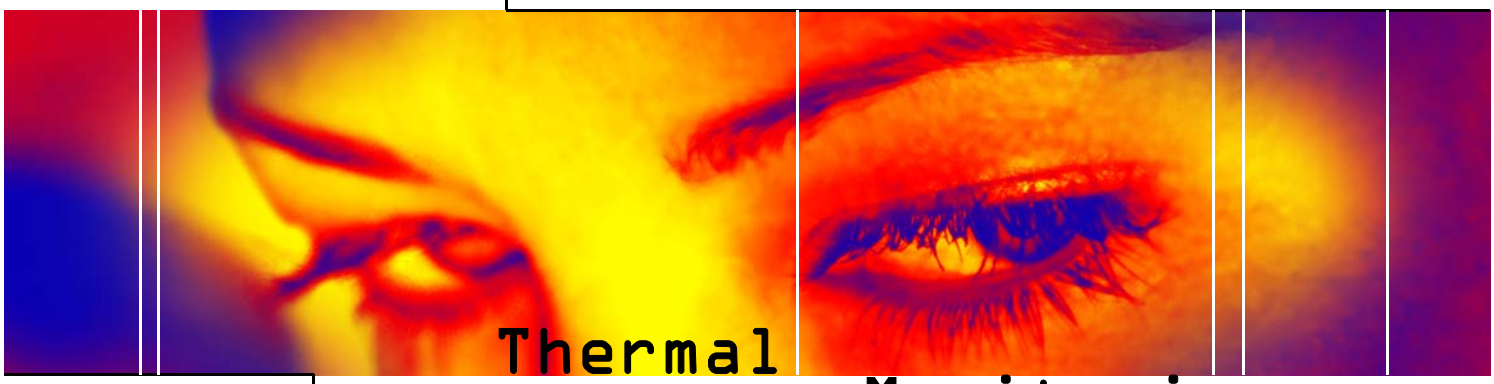
FOCUS 2000
infrared

Thermal Imaging Systems



Thermal Monitoring

FOCUS 2000
infrared

Thermal Imaging Monitoring Systems

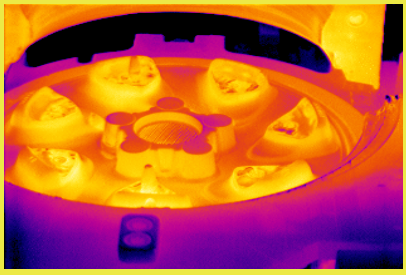
TMS-2000™/R EExd

Applications in Hazardous Areas:

- Industrial Process Monitoring
- On Line Temperature Monitoring
- Over Temperature Monitoring
- Critical Temperature Control
- Critical Area Monitoring
- Petro-Chemical

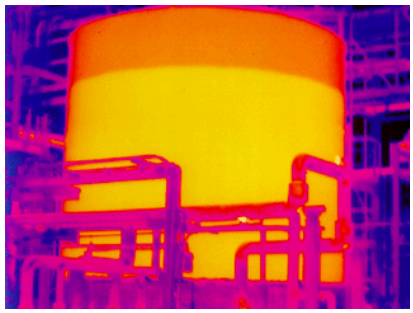
IR Window:

Zinc Selenide (ZnSe) is used for the thermal window. This makes it ideal for IR applications requiring rugged optics. Zinc Selenide also has good resistance to thermal shock.



F2K

...it's time to get focused...

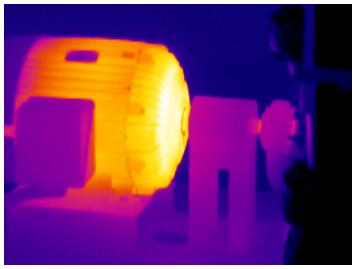


TMS-2000/R EExd radiometric thermal imaging system has been designed to provide thermal monitoring in hazardous environments where accurate temperature measurement is of prime importance.

Using the very latest microbolometer technology, the thermal camera is housed within a EExd IIc T6 BASEEFA Certified enclosure., making it ideal for use in hostile and hazardous areas.

Temperature changes within a scene can be monitored with great accuracy, and low or high alarms can be triggered at preset temperature values.

The TMS-2000/R EExd produces extremely sensitive, high quality infrared images and includes many unique design features that ensure optimum performance under service conditions. Used for fixed location applications, camera may be mounted on suitable pan & tilt.



FOCUS 2000
infrared

Thermal Imaging Monitoring Systems

TMS-2000™/R EExd

Radiometric Thermal Imaging Display System

Features

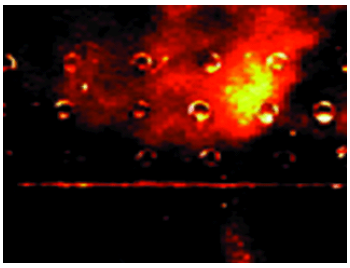
- State-of-the-art FPA technology
- Detects hot spots / over temperature
- Accurate temperature measurement
- Alarms outputs
- Extensive connectivity options
- Multiple programming options

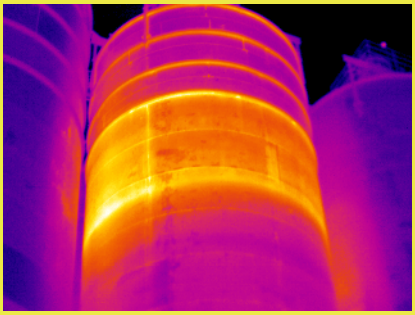
Benefits:

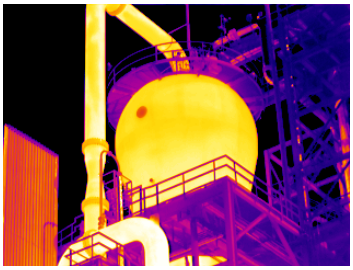
- 24 hour operation
- Automatic temperature alarms

Warranty:

- 12 months



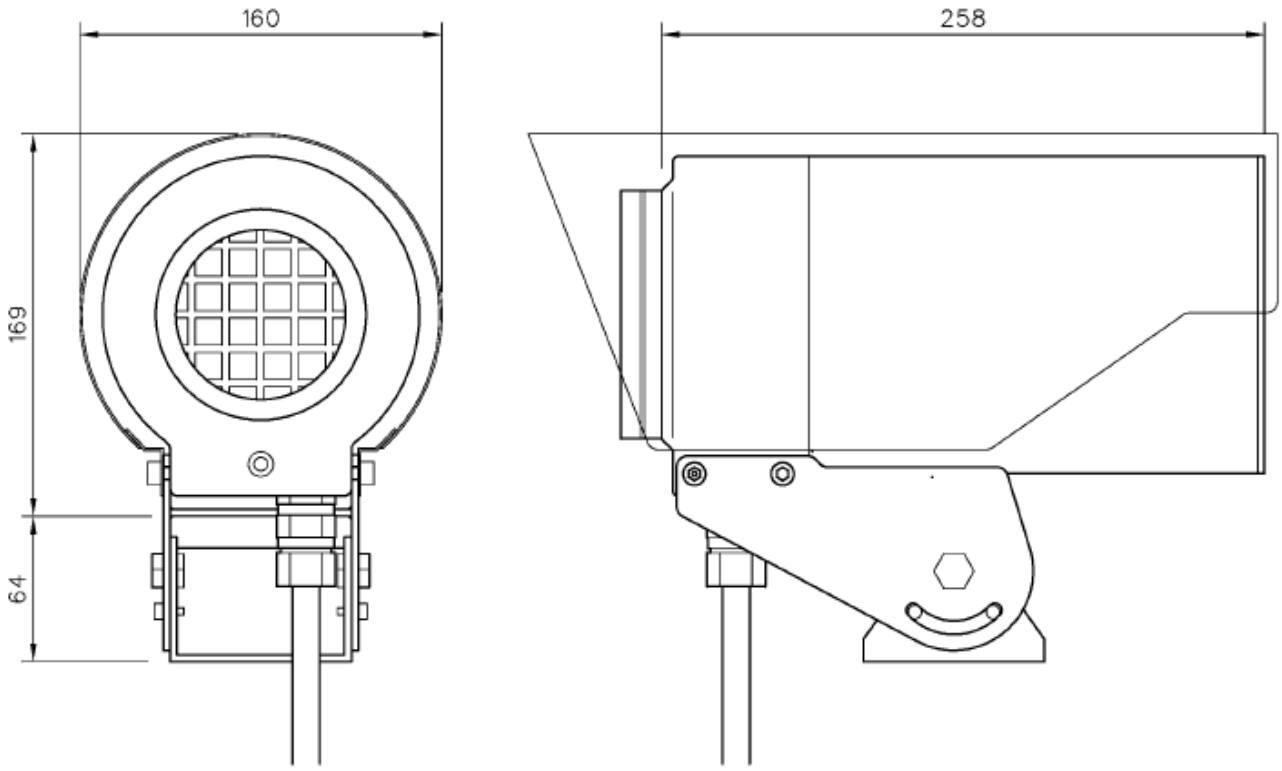




www.focus2k.co.uk

TMS-2000™/R EExd

IMAGING PERFORMANCE	
Field of View	Choice of 9º / 19º / 34º
Thermal Sensitivity	0.1ºC at 30ºC
Focus	Electric motor or Manual fixed
Detector Type	Focal Plane Array (FPA) (European Origin)
	Uncooled microbolometer 160 x 120 pixels
Spectral Range	7.5 to 13 µm
IMAGE PRESENTATION & TEMPERATURE MEASUREMENT	
Video Output	PAL or NTSC, standard RCA composite video
Temperature Range 1.	-20ºC to +250ºC
POWER SYSTEM	
AC Operation	AC operation, 24, 90-260 V AC, 50/60Hz
DC Operation	15-30VDC
ENVIRONMENTAL SPECIFICATION	
Operating Temperature Range	-15ºC to '+55ºC
Storage Temperature Range	-40ºC to '+70ºC
Humidity	Operating and storage 10% to 95%, non-condensing
Encapsulation of enclosure	IP68
Shock, operational	25G, IEC 68-2-29
Vibration, operational	2G, IEC 68-2-6
INTERFACE OPTIONS	
IEEE-1394 FireWire / RS-232	
RJ-45 Ethernet	
FEATURES	
Image Freeze	Digital image freeze
Image Display	B&W, white or black hot, Colour
Auto-Adjust	Continuous image contrast optimisation



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FLIR SYSTEMS