FOCUS 2000
infrared

Thermal Imaging Systems

Fire Guardian

Infrared Fire Detection for Critical Temperature Monitoring

The new Fire Guardian 'hot spot' fire detection system is designed to provide thermal surveillance in environments where there is the ever-present risk of fire.

Fire Guardian utilises state-of-the-art thermal cameras that are sensitive to infrared energy, temperature changes less than 1°C can be detected, thus enabling early warning of any potential over heating or fire risk.

Provides alarm outputs on exceeding pre-set temperature.

Fire Guardian includes many unique design features that ensure optimum performance under service conditions. Using a high resolution infrared detector to locate hot spots, the system can also incorporate a high definition visual camera to aid scene interpretation.

Fire Guardian

Features

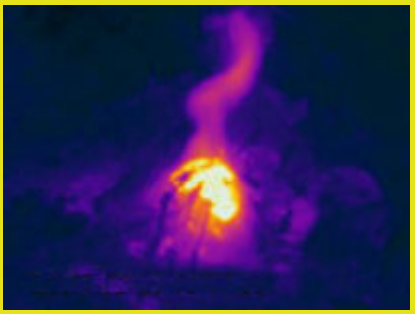
- State-of-the-art FPA thermal technology
- Detect hot spots before they become fires
- Accurate temperature discrimination
- Detect Body Temperatures
- Site programmable
- 24 hour fire / over temperature detection
- IP65/66 weather proof enclosures

Benefits

- Early warning of potential problems
- Alarming to remote monitoring station
- Sites do not require guards

Options

- Lens options to suit different applications
- Visual overlay to aid scene interpretation
- Explosion proof camera enclosures
- Wireless installation



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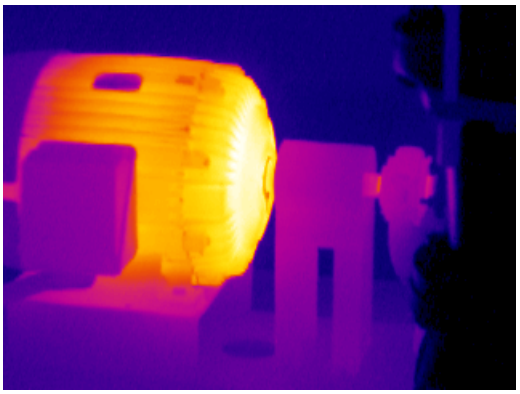
...it's time to get focused...

Fire Guardian *R20*

IMAGING PERFORMANCE	
Field of View	(9º x 7º) / (19º x 14º) / (34º x 25º
Thermal Sensitivity	0.1ºC at 25ºC
Focus	Manual fixed (optional motor focus)
Detector Type	Focal Plane Array (FPA)
	Uncooled microbolometer 160 x 120 pixels
Spectral Range	7.5 to 13 µm
IMAGE PRESENTATION	
Video Output	PAL or NTSC, standard RCA composite video
IMAGE STORAGE	
Memory Type	Built-in FLASH-memory
File Format	Standard JPEG
POWER SYSTEM	
AC Operation	AC adapter 90-260 V AC, 50/60Hz,
DC Operation	10 to 30V DC
ENVIRONMENTAL SPECIFICATION	
Operating Temperature Range	-15ºC to '+50ºC (5ºF to 122ºF)
Storage Temperature Range	-40ºC to '+70ºC ('-40ºF to 158ºF)
Humidity	Operating and storage 20% to 80%, non-condensing
Encapulation	IP65
COMMUNICATION INTERFACES	
Computer interfaces	RS-232, Ethernet, TCP/IP
FEATURES	
Alarm and Logging	Time & Date with thermal image storage
Range, standard	-20 to +250ºC (-4 to +482ºF)
Web Server Pages	Control and set-up of camera system



Monitor bearing temperatures and provide an alarm on overheating

Pan & Tilt and special environmental enclosures available

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