

# ThermalEye

## Thermography Monitoring System

ThermalEye is a modular and flexible temperature monitoring system based in radiometric infrared cameras. The system is able to capture the temperature distribution of a surface in milliseconds with automatic detection of hot and cold spots.

ThermalEye system is ideal for different type of applications such as temperature monitoring of the exterior of furnaces, boilers, glass metal tanks, etc. providing information of any hot areas which may indicate refractory damage. ThermalEye system is also used for monitoring heat or gas leaks, the bottom ash hopper, boiler's flames and effectiveness of flare stacks, resulting in significant energy savings and improved plant safety.

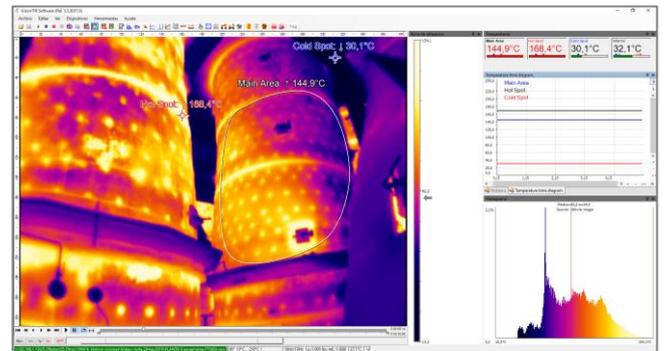
ThermalEye Software offers full remote control of all infrared cameras, different inspection zones configuration, recording functions and analysis of measured data.



ThermalEye monitoring a furnace



ThermalEye infrared camera



ThermalEye software

Different inspection zones configuration facilitates the parameters processing of each zone: emissivity, measurement temperatures, prealarms and alarms events, dimensions, etc. ThermalEye software offers recording functions and analysis of measured data. It includes email notification of alarms or alarms notification by digital outputs.

### Benefits

- 24/7 temperature monitoring of areas.
- Real time detection of hot and cold spots.
- Customized installation for temperature monitoring of large areas.
- Maintenance-free operation
- Optimum process control
- Modular expansion. The system can be expanded at any time with further cameras and workstations.
- Suitable for installation in just about any environment
- View any target at any distance with outstanding clarity

### Applications

- Flare Stack Monitoring
- Glass Tank Refractory Monitoring
- Gas leak
- Air condition leak
- Coal storages
- Chemistry and Oil Production
- Waste/Recycling Facilities
- Wood Processing
- Fertilizer Storage
- Road Tunnels
- Conveyor Belts
- Biomass warehouses and silos
- Hazardous environments: flammable substances, ATEX classified zones



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