



Flame Monitor

Ngaro Flame Monitoring

Analytic for thermographic camera developed specically to monitor, analyse and detect flames and flares on industrial scenarios

Detects.

- **Flare & Flame detection & monitor** to assure combustion of released flammable gases from refineries and gas processing plants
- **Flame Size & intensity Monitoring** to analyze the correct combustion of released combustions gases

Applies to

- Refineries
- Off-Shore Platforms



Key Differences

- **Cost-Effective.** Four detection functions in one license
- **Critical real-time reporting and logging** Real-time reporting of temperature variation events for rapid commissioning and testing.
- Available on **fixed or Portable set-ups**
- **Generates Summary Event Report (SER)** for post-event diagnostics. Available in XML, Excel, PDF formats
- **Long-Range detection.** ATEX housing not required
- **Heat emission and distance configuration** available by mask configurator
- **Image adjustments** by enhance or lineal temperature
- **Temperature Color palette editor**
- Intuitive **mask design editor**
- **Simultaneous temperature and time-frame analysis.**
- **Boolean logic functions** programing available for alarm triggering
- **Off-line evaluation available.** (picture: RAW thermometric, video: RAW Thermometric, Ngaro Thermometric compressed)
- **Image or video capture** responding to alarms
- **Digital output** support available (PLC & ADAM)
- **Digital input** support (PLC)
- **Communications and Integration.** Integrates with existing VMS and Ngaro Beholder (Ngaro VMS)

Technical Details

All our licenses are OEM format (Software) which could be installed on any equipment which covers the following requirements:

Up to 8 cameras: Intel Core i5 dual core with 4GB RAM; Windows XP or superior; recommended: Graphic card with OpenGL 2.0; Ethernet port

Up to 16 cameras: Intel Core i7 dual core with 8GB RAM; Windows XP or superior; recommended: Graphic card with OpenGL 2.0; Ethernet port

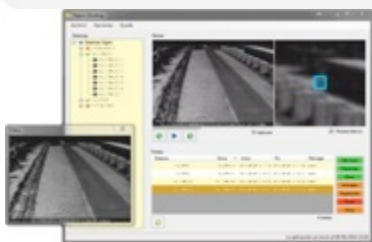
Complementary Tools

Ngaro Domotion. Automatic management & positioning of dome/s camera/s for video verifying. Includes algorithms to automatically position the camera with better view and capable to establish priorities among domes to follow the target with one or several cameras simultaneously.

Ngaro® Beholder Ngaro® VMS allows the operator to monitor and manage the information provided by Ngaro Analytics or third party VMS.

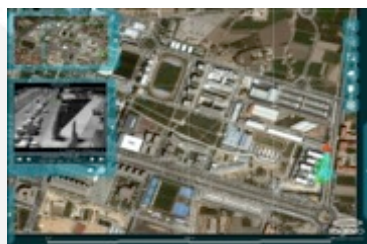
ngaro® Desktop

Alarms status and operative verification module compatible with Ngaro® systems



ngaro® GIS

Module to monitor the status and operation of the surveillance system over digital cartography



ngaro® Viewer

Application for simultaneous display of thermal and CCTV video streams with OSD overlay of alarms



Compatible Cameras



Compatible VMS



Compatible Alarm Reception Software

