



## Trasnformer Monitor

## Analytics for Thermographic Cameras

### Ngaro Transformer Monitoring

Detects

- **Transformer thermal and through-fault monitoring.**
- Temperature oscillation, hotspot, insulation aging acceleration factor, and loss of life.

Applies to

- Transformer Monitoring
- Key electrical conductors



### Key Differences

- **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
- **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

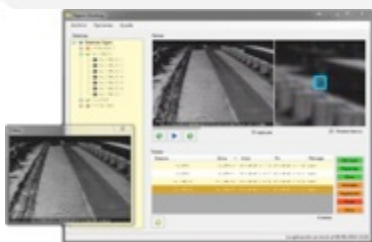
## Complementary Tools

**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

