

ngaro® Watchman

Ngaro Intelligent Solutions. Is the leading thermal imaging analytics developer with over fifteen years of experience on the sector. Our analytics are orientated to protect and control infrastructures, population and industrial and mechanical processes and our experience with thermography and excellent performance of our analytics, guaranties efficiency and profitability to our clients and partners.

Ngaro Watchman

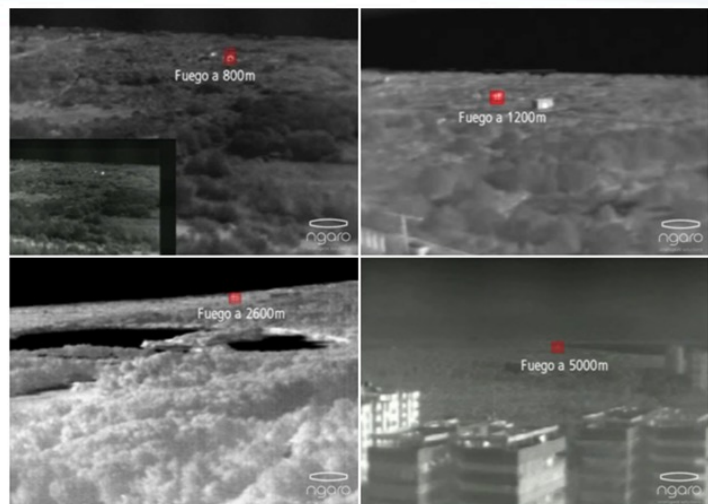
Intelligent fire detection solution for critical scenarios of high ecological value areas.

Detection Alarms:

- Fire
- Hot-Spots
- Temperature Variation

Applies to:

- Forest Fire prevention.
- Tunnel Emergency Management
- Dumping plants fire prevention
- Recycle plants
- Petrochemical plants
- Ammunition
- Pyrotechnics
- Maritime. Freight Hold



Competitive advantages

- **Long range detection.** Minimum detection size: 1 pixel
 - Detects a fire of 1mt x 1mt size 5km away using a 25º FOV camera
- **Efficiency.** Minimum false alarm rate guaranteed. Less than 2%
 - Detection NOT based on radiation levels, but on time frame analysis of the behavior and morphology of the scenario
 - Algorithms developed specifically for thermal cameras (not adapted from CCTV)
- **Cost effective.**
 - 8.000 Hectares coverage with just one camera
 - Does not require thermographic cameras for forest fire detection
- **Accuracy.** Positions alarms with UTM coordinates on real time
- **Verification.** Automatic domo positioning for video verifying using UTM coordinate

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 o superior; recommended: Graphic card with OpenGL 2.0; Ethernet port

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

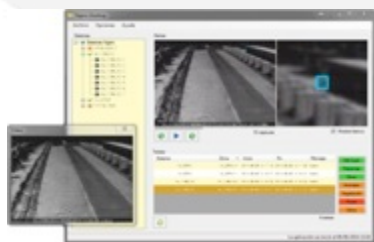
Complementary Tools

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.



Alarms status and operative verification module compatible with Ngaro® systems



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



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



Compatible Cameras



Compatible VMS



Compatible Alarm Reception Software

