

ngaro 

intelligent solutions uk

# 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

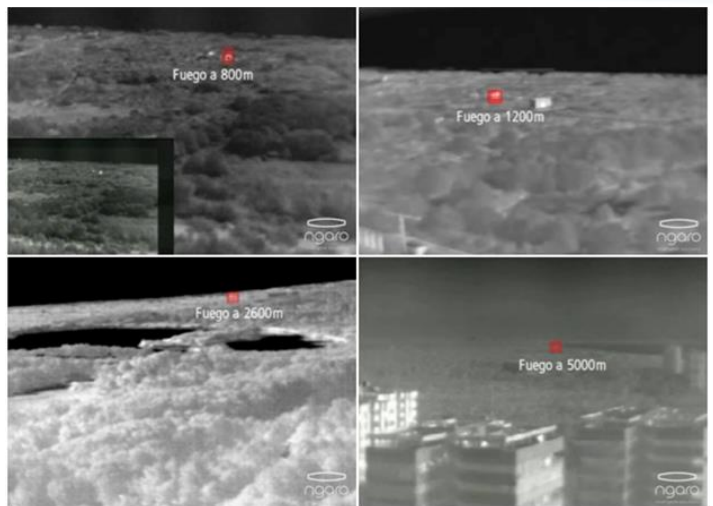
Intelligent fire detection solution for critical scenarios of high ecological value areas.

### 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

## Complementary Tools

**Ngaro Domotion** Domo camera automatic positioning system for video verifying. Includes algorithms to automatically position the camera with better view and capable to establish priorities among domos to follow the target with one or several cameras simultaneously.

**Ngaro® Beholder** (optional) 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

