

ngaro® Coastguard

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 Coastguard

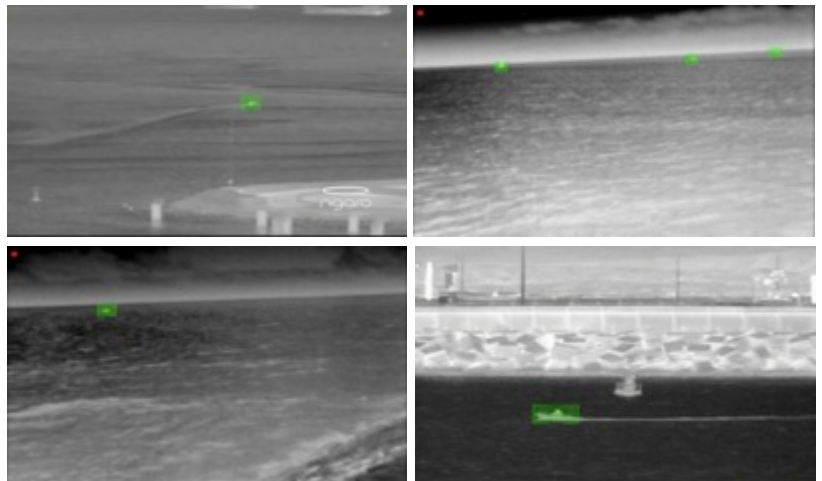
Vessel detection, positioning and tracking system for maritime, fluvial and port scenarios, with either fixed or onboard camera.

Detection Alarms:

- Small & large vessels
- Border crossing
- Prowling
- Dropped / removed object
- Floating objects detection
- Boarding Threats
- Illegal traffic on anchor areas

Industry Sectors

- Ports Surveillance
- Rivers/ Lakes/ Dams Surveillance
- Fish farm surveillance
- Off-Shore platforms surveillance
- Maritime Customs surveillance
- Maritime rescue forces



Key Differences

- **Automatic 3-D radiation analysis of objects on scene. Beyond video analytics.**
- **We use specific algorithms for thermal imaging, no algorithms adapted from CCTV)**
- **Increases detection range. Minimum target size: 1,5 pixels.**
- **Minimum False alarm rate (2-5% rate over total alarms registered).**
- **Does not generate false alarms by waves**
- **Alarm positioning on real UTM coordinates and on real-time. Camera triangulation NOT required, just one camera needed**
- **Patrol Mode. 360º motion while detecting**
- **Dynamic integration with GPS**
- **Multi-target detection.**
- **Integrates with existing RADAR systems**
- **Certified with principal camera manufactures. Axis, Flir, Opgal, Raytheon, Pelco, Nec, DRS**
- **Integrated with principal VMS on the market- Milestone, Genetec, Geutebrück, Ganetec, Desiko**
- **Generic Camera Mode.** Communicates with every camera on the market, without integration required
- **Domotion.** Automatic domo/s camera positioning for video verifying.
- **Configuration & performance based on meters, not on pixels**
- **Easy & Intuitive configuration**
- **Software license**

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

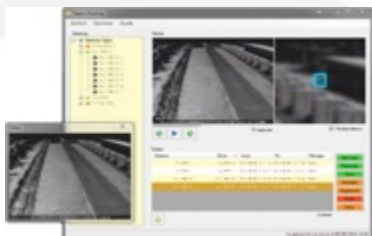
Complementary Tools

Ngaro Domotion 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.



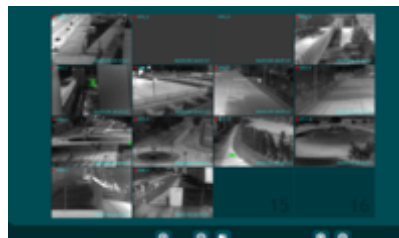
Alarms status and operative verification module compatible with Ngaro® systems



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

