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.
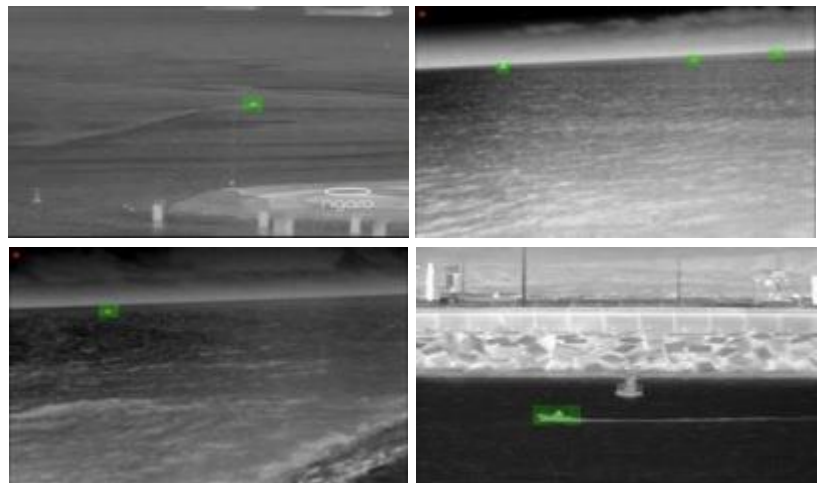
Ngaro Coastguard

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 systems are fully compliant with current regulations and the product codes for our systems are listed below.

Up to 8 cameras: NG7, NG2U, NG4U

Up to 16 cameras: NG2U, NG4U

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

ngaro®GIS

ngaro®Viewer

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

AXIS COMMUNICATIONS   ◆FLIR   vumii   OPGAL Beyond the Visible   Raytheon   NEC

Compatible VMS

AXIS COMMUNICATIONS   Genetec   GEUTEBRÜCK   milestone   DESICO DESARROLLO DE SISTEMAS INTEGRADOS DE CONTROL S.A.