



BLUESAFE

**AI-BASED VESSEL
SECURITY SYSTEM**

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BlueSafe is an artificial AI pioneering security system specifically designed to operate as an integration with existing CCTV IP camera system for the safety of ship crew members. With BlueSafe, while detecting abnormalities such as fire, flames, smoke, people counting, and falls/fainting using the onboard cameras, it also provides situational awareness and real-time alarms to operators by detecting the ship and boat with the external cameras, as well as identifying hazards like crew members falling overboard.

BlueSafe offers a comprehensive solution for your safety by recording, analyzing, and managing both image and alarm data. This ensures that the ship's personnel are always prepared for abnormal situations and elevates the safety of the ship throughout the voyage.

BENEFITS

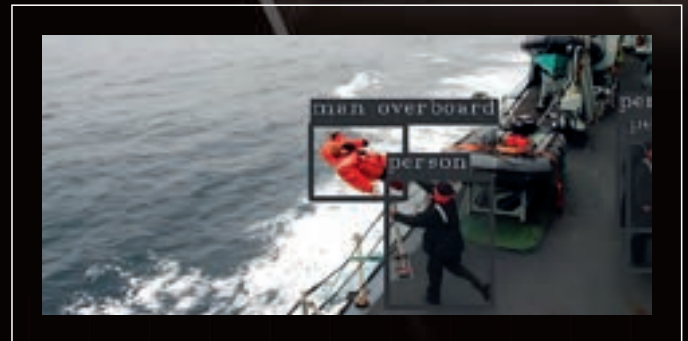
- ▶ Anomaly detection in camera footage on the platform
- ▶ Enhanced situational awareness
- ▶ Alerting ship personnel in case of anomalies
- ▶ Providing fast and effective response capabilities
- ▶ Detailed alarm management and access to past incidents

CAMERA CONFIGURATION AND MODEL MANAGEMENT

- ▶ Analyzing 20 or more video sources in parallel
- ▶ Ability to work with camera sets of different configurations
- ▶ Ability to use different detection models in analysis
- ▶ Ability to select detection models on a per-camera basis

AI PROCESSING UNIT

- ▶ NVIDIA GPU Set - 64+ GB VRAM
- ▶ 2 x 12+ Core Intel 12th Gen CPU
- ▶ 1 TB Storage



VIDEO ANALYSIS AND SITUATIONAL AWARENESS CAPABILITIES

- ▶ People Counting
- ▶ Fall and Faint Detection
- ▶ Man Overboard Detection
- ▶ Fire, Flame, and Smoke Detection
- ▶ Vessel and Boat Detection

RECOMMENDED VIDEO SOURCE FEATURES

- ▶ Day or Thermal Live or Recorded IP Video
- ▶ RTSP and RTP/UDP Protocol
- ▶ H.264 and H.265 Compression

DATA MANAGEMENT

- ▶ Recording of image and alarm data
- ▶ Ability to extract image and past alarm data

The AI processing unit will be configured according to the number of cameras in the integrated CCTV network.



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