

SHIP COUNTING SOLUTION

Solution Overview

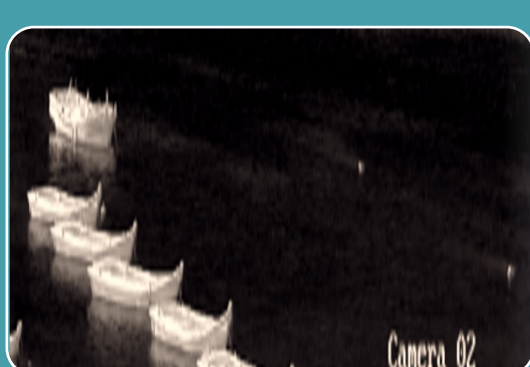
Pain Points



- Growing traffic flow of ships entering and leaving the ports/harbours greatly increases the workload of managing the capacity, whilst also raises safety risks.
- Ship traffic control is difficult, expensive and lack of efficiency.

Solution Highlights

Real-time Ship Detection and Counting

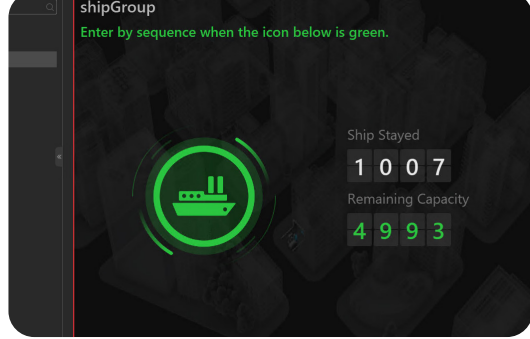


- Line crossing detection for ships entering and leaving the drawn border.
- Accurate ship counting based on thermal channel:
 - Ships entering the port
 - Ships leaving the port
 - Ships stayed in the port area



Enhances safety and security for the ships, ports and harbours and also provides video evidence.

Port Traffic Warning and Management



- Real-time statistics of 'Ship Stayed' and 'Remaining Capacity' of a port.
- Alarm triggered when ships entering the area exceed the limit.



Improves the efficiency of the traffic flow management.

Reports and Dashboard

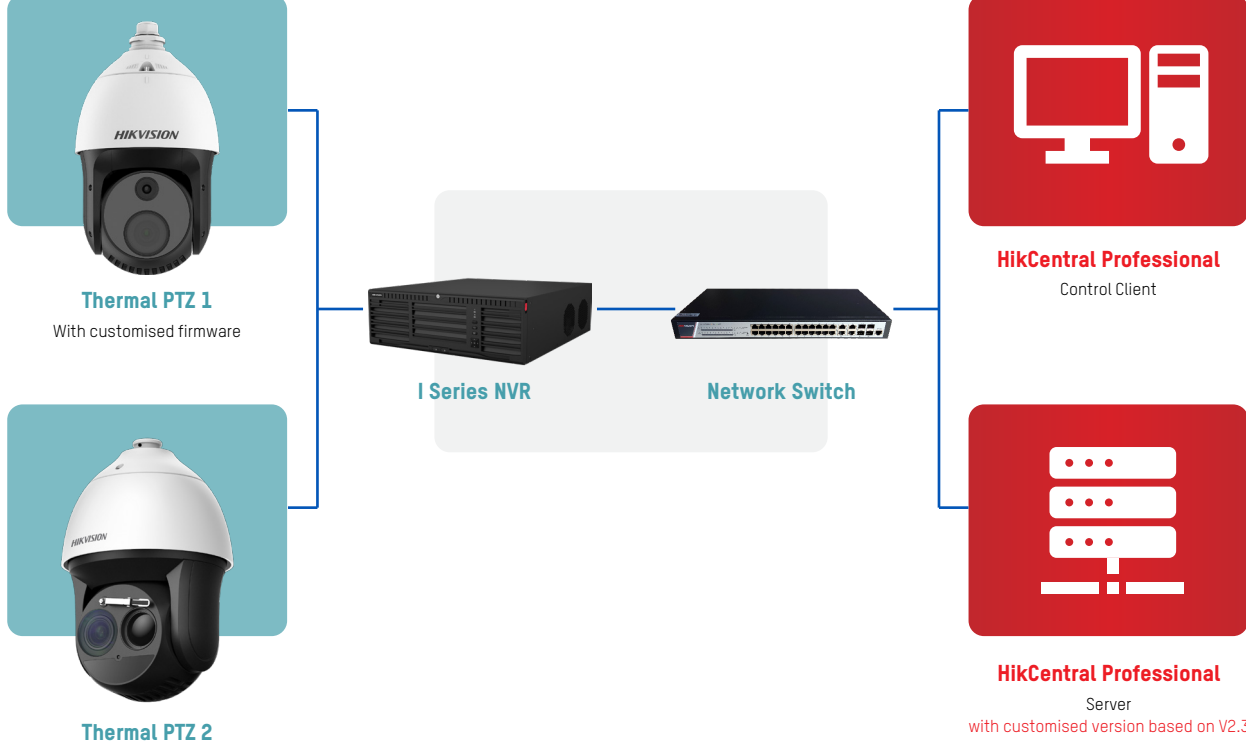


- Statistics can be exported, including:
 - Number of ship entered
 - Number of ship exited
 - Peak number and time
- Supports ship counting for one camera and ship counting in one region (multiple cameras).



Collects traffic data for analysing and improving port operations in the future.

Solution Architecture



Product Showcase



DS-2TD4137-25/WY

Thermal & Optical Bi-spectrum Network Speed Dome
(with customised firmware)

Full list of supported models: (H5 platform, /W speed dome)

- DS-2TD4228-10/W
- DS-2TD4137-25/W
- DS-2TD4167-25/W
- DS-2TD4137-25/WY
- DS-2TD4167-25/WY
- DS-2TD4137-50/W
- DS-2TD4167-50/W
- DS-2TD4137-50/WY

- 384 × 288 thermal resolution
- Smart event detection: line crossing, intrusion, region entrance and exit
- Smart tracking: panorama tracking, event tracking and multi-scene patrol tracking
- Smart tracking linkage: thermal view and optical view
- Ship counting: line crossing detection for ships, based on a fixed PTZ position



DS-9600NI-I8

I series NVR
(with baseline firmware
V4.61.010 build 220527 and above)

- 16-ch @ 1080p
- Max. 12 MP camera access
- Configuration of smart event detection rules
- Dual-stream recording
- Up to 8 HDDs (10 TB) connectable



HiKCentral Professional Software

- Central management of devices
- Video search and playback
- Ships counting statistics Alarm management of ships detection
- Reports and dashboard