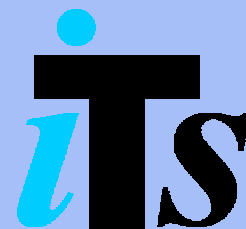




# PRODUCT DATA SHEET



# V-CAS

## Vessel Collision Avoidance system

An effective Boom Collision Avoidance System will not only prevent costly collisions, but can also reduce insurance premiums and improve speed of operation by giving the crane driver confidence during rapid close approaches.

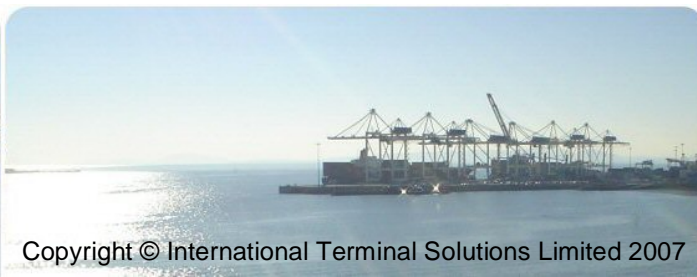
As experienced dockside equipment suppliers, ITS have integrated an advanced high-speed laser scanning system into the crane control system. The non-contact system detects ship superstructure, radar masts, crane masts, handrails, even whip aerials.



### Automatic Boom Collision Avoidance System:

- Improved safety for Port and Ship's personnel
- Reduced reliance on driver skill levels
- Prevents expensive damage to crane Boom
- Prevents damage to ship, including navigation equipment
- Insurance premium benefits
- Suitable for all types of cranes
- Scan time measured in milli-seconds
- Systems to prevent nuisance tripping
- Works in rain, snow and mist
- Immune to ambient light
- Non-contact system
- Low profile, minimum protrusion from the boom
- Immune to wind loading and crane flexing
- Fit and forget, low maintenance
- Easy rapid installation and maintenance
- Configurable to suit individual operation
- Proven system

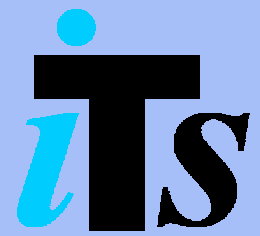
Contact us:  
Ph +44 (0)1509 236555  
[www.portautomation.com](http://www.portautomation.com)  
[portautomation@terminalsolutions.co.uk](mailto:portautomation@terminalsolutions.co.uk)





# V-CAS

## Continued



## THE TRUE COST OF VESSEL COLLISIONS

- ✓ Damage to ship
- ✓ Delayed sailings
- ✓ Damage to crane
- ✓ Reduced port capacity
- ✓ Expensive repairs
- ✓ Investigations
- ✓ Insurance claims
- ✓ Insurance premiums
- ✓ Injury to personnel
- ✓ Litigation
- ✓ Compensation



The V\_CAS system can be retrofitted to any existing crane, or installed with your new crane, and is optimised for the operating procedures of the terminal and the constraints of the crane.

A single, low profile, scanning unit is mounted on each side of the boom. Configurable software divides the approach area into control zones, the system intelligently limits crane operation as the risk of collision approaches.



Issued by:  
International Terminal Solutions Ltd  
6 Loughborough Technology Centre  
Epinal Way  
Loughborough  
LE11 3GE  
United Kingdom

