VISY

Accurate and Verified Moves

Visy Crane OCR Systems

Visy Crane OCR system captures and recognizes container details automatically during the lifts, giving operators full, real-time visibility into crane operations.

By using high-quality imaging and in-house OCR software, the system identifies, tracks and verifies every container move, detects potential issues, and shares data instantly with the terminal operating system (TOS) raising exceptions as required.

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Deploy with CHE Types

- STS - Full Functionality
- ASC - Limited Functionality
- RMG - Limited Functionality
- RTG - Limited Functionality

* Limited functionality means that in the standard solutions all sides are not imaged and some OCR features are not offered. For more information consult Visy sales.
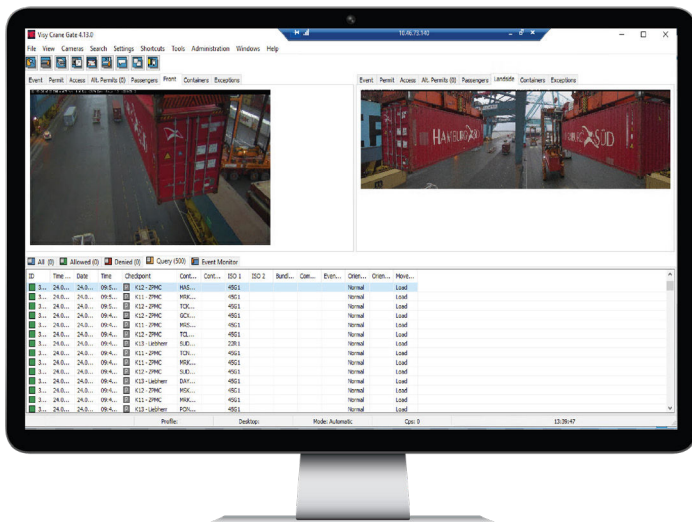
High-Quality Imaging

Visy's systems utilize PTZ (pan-tilt-zoom) and fixed cameras, installed on crane structures, to provide clear imaging of containers, vehicles, and even twistlocks.

Designed for Every Operation

The system supports all lifting types – single, twin, tandem, quad, and tank – and fits both new cranes and retrofit projects.

Smarter Operations with Visy Crane OCR

On quay cranes, validation of moves against work orders from TOS through OCR-driven data capture and exception handling enhances process efficiency and lowers operational costs by negating false lifts & incorrect container information.

Key Applications

Visy STS Crane OCR: Images all container sides and recognizes IDs, ISO codes, IMDG/ADR labels, and seals while lifting containers. Data is sent to TOS.

Visy RTG/ASC OCR: Images long container sides and recognizes IDs and ISO codes for verifying box moves with TOS and PDS.

Visy RMG OCR: Images container sides to recognize identifiers, IMDG/ADR labels, and detect box orientation. Design based on customer operations. Data is transferred with TOS or PDS.
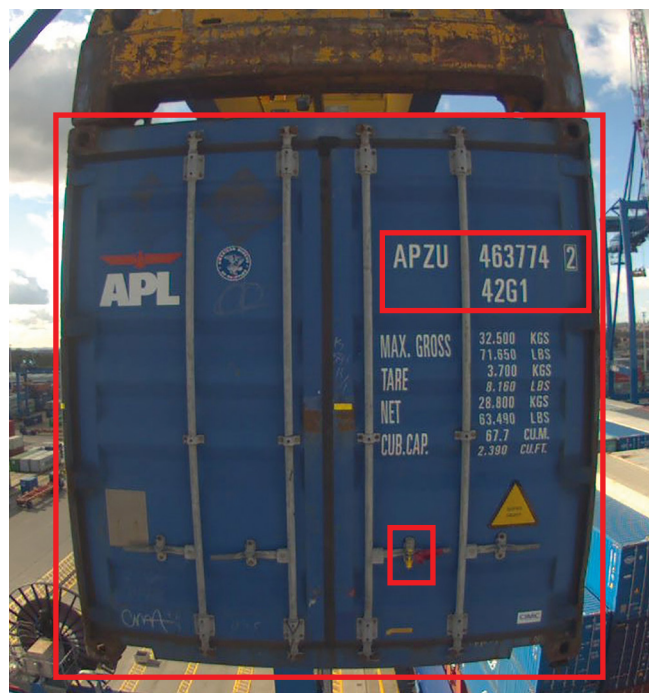
Visy TopView – Spreader OCR: Cameras mounted on spreaders read container IDs from the roof, verifying correct lifts, preventing stacking errors and identifying ghosts. Compatible with any CHE type and spreader model.

Visy Terminal Tractor OCR: Identifies terminal tractors by reading roof markings or ID numbers, to link vehicles with lifting tasks automatically.

Features

- Container ID and ISO code recognition
- Detection of IMDG/ADR dangerous goods labels
- Seal and door direction recognition
- Vehicle and tractor identification (OCR, RFID)
- Real-time twistlock detection and safety alerts
- Automatic data sharing with TOS and PDS
- Interfacing with PLC, CCS and data sensors
- Spreader movement tracking for optimized image capture

Whether the goal is to increase gross moves per hour or improve safety, the system will deliver measurable results.

Learn more about Visy TopView in its dedicated flyer.

Why Terminals Choose Visy Crane OCR

- Market leading recognition accuracy
- Consistent performance, reliable results
- Compatible with all crane types and control systems
- Visy tailored systems match with unique needs
- Wide offering of applications and deep integration to operations

Get in Touch

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