

VISY TOPVIEW – COMPACT OCR CAMERA SYSTEM FOR SPREADERS

Visy TopView is a spreader OCR system that automatically identifies container IDs while the box is handled by container handling equipment. The system is compatible with every CHE type and brand, transforming any spreader and the complete fleet into smart devices.

With Visy TopView, containers are not stacked or loaded to a wrong location without leaving a trace. By confirming each container move with TopView, container handling procedures become more visible.



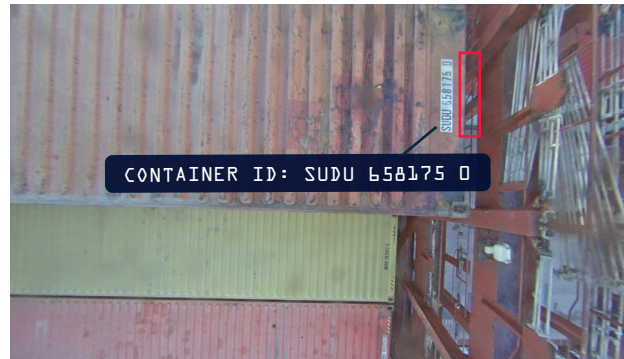
Smart Implementation

All Visy TopView imaging equipment is directly installed on the spreaders, such as cameras, illuminators and a device cabinet. Intelligent AI-powered container OCR software achieves high recognition rates, thus verifying that each movement of cargo is recorded.

The system is a reliable partner for terminal operators as it captures data in real time and smoothly exchanges it with the TOS.

Key Features

- ✓ Automatically save and record every container handling event with container ID and images
- ✓ In-house, AI-powered recognition software with high accuracy rate
- ✓ Intelligent Visy AI features along with the system configuration ensure that correct container code is chosen to avoid operational issues
- ✓ Smooth data exchange to TOS and PDS
- ✓ Smart design choices keep costs reasonable, e.g. no need to change spreader cables
- ✓ The multi-camera solution creates redundancy keeping the system operational all the time



TopView installed on an STS crane spreader.



TopView installed on a reach stacker spreader.



AI-Powered Vision Technology Systems for Automated Cargo and Asset Handling.

The future-proof partner for all smart gate, access control, and terminal automation needs. With Visy systems, our customers identify and manage all traffic of vehicles, people, and cargo in demanding environments of container ports, intermodal terminals, and industrial facilities all over the world.

Developing license plate recognition, vision technology applications and access management solutions have been a cornerstone of operations since the company's inception. We are dedicated to build ever better, more efficient, and easier-to-integrate system solutions with our world-leading OCR and AI technologies.

Expand | your vision



In a reach stacker system, three cameras capture images of container roof and one long side.

The system increases accuracy of operations by ensuring that the picked container ID is known. In automated yard operations, if the ID does not match the task, operations are stopped before the spreader attaches to the container.

Enhance Visibility in Container Handling

With Visy TopView, containers are not stacked or loaded to a wrong location without leaving a trace, regardless of whether the operation commences over vessel, truck, train, or stack. For instance, if the system notices differences in information between the pre-announced details and the gathered data, the images can be retrospectively accessed to verify if exception handling is needed.

When each container move is confirmed with Visy TopView, container handling procedures become more visible and accurate, which brings reliability to overall operations. No more unknown containers in yard inventory.

ID	Time	Checkpoint	Container ID
1	12.1.2025 12:17:48	RTG1	MRSU 4380219
2	12.1.2025 12:04:27	RTG2	CBHU 424509 2
3	12.1.2025 11:48:06	RTG3	TRLU 699049 0

Events can be saved into Visy Database and brought to the user interface in real time.

Data recipients

TOS
PDS

Clear Business Benefits

- ✓ Saves time and money with every transaction
- ✓ Increases performance and capacity
- ✓ Improves transparency of operations
- ✓ Reduces the risk of inaccurate yard inventory
- ✓ Improves safety by removing people from hazardous environments
- ✓ Reduces time and resource consuming errors by proofing existing automation processes with data collection and sharing
- ✓ Enables automated check with the TOS that the handled container is in the workorder
- ✓ High-quality images of the whole container for damage purposes when lifting from vessel to quay to avoid damage claims
- ✓ Flexibility in system architecture and design to find the optimal between costs & performance for every customer



Lifting Global Trade.
APM TERMINALS

Learn how APMT Gothenburg is enhancing their operations with the help of Visy TopView.

