

VISY



VISY OCR PORTAL

Automatic recognition and imaging of vehicles and containers

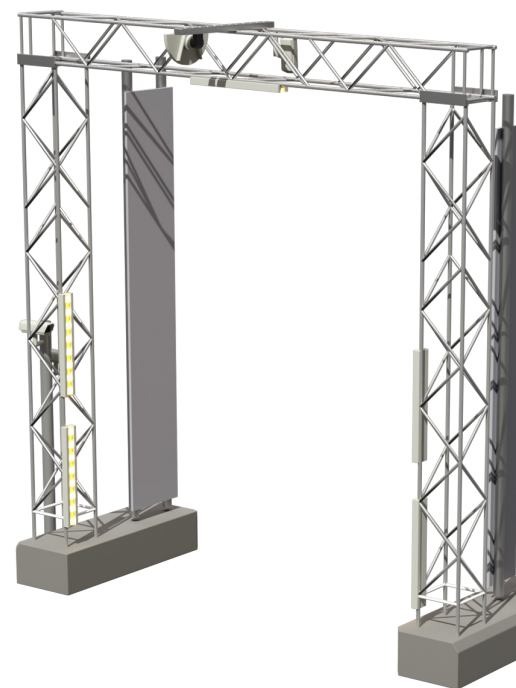
Visy OCR Portal's recognition equipment
and software create a single intelligent traffic
management environment





Advanced data collection & sharing solution

Visy IRIS OCR Portal automatically recognizes and images vehicles and containers that are entering or leaving a facility, without the need to interrupt traffic. The OCR portal is a unique solution with exceptional real-life accuracy of 98-99.5% correct recognitions (license plates, container ID, seal presence, ISO code, etc.) even with driving speeds of up to 50 km/h. Imaging and recognition take place as vehicles drive through the portal, accelerating gate transactions and pre-advising terminal operators of incoming vehicles. The practical yet intelligent solution exchanges identification data with terminals' other systems (TOS, GOS), thus ensuring smooth flow of traffic at terminals' gate areas.



Accelerates gate transactions



Reduces operating expenses

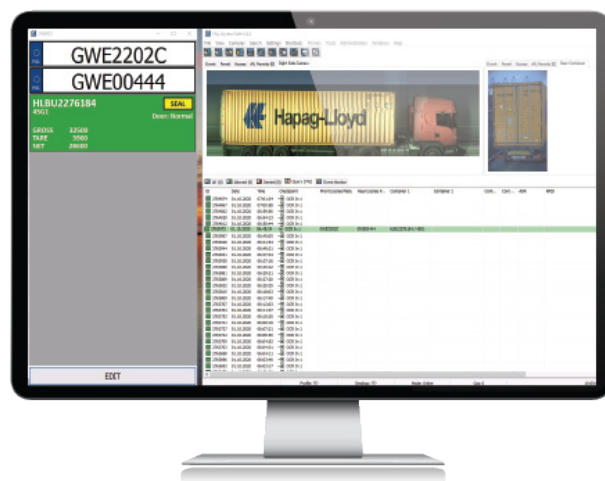


Clears liabilities for damaged containers

Intelligent environment

Visy IRIS OCR Portal's recognition equipment and software create a single intelligent traffic management environment: The portal solution combines Visy's industry-leading computer vision and OCR software with line scan and area scan camera technologies which capture high-quality images and recognize vehicle and container identifiers in any environmental condition. Visy IRIS OCR portal is equipped with laser scanners and efficient illuminators to facilitate reliable 24/7 operation and to maintain a high recognition rate.

The OCR portal gathers applicable data and validates the best results to always hit high rates in recognition accuracy. The recognition software extracts front and rear license plates, as well as container IDs and other markings from all sides of containers. High-quality images provide access to retrospective inspection of possible damages and keeping a record of the condition of containers, which helps terminals shed liabilities for containers that arrive damaged.



**Visy Access Gate user interface
for traffic event management,
exception handling and
reviewing gathered data**



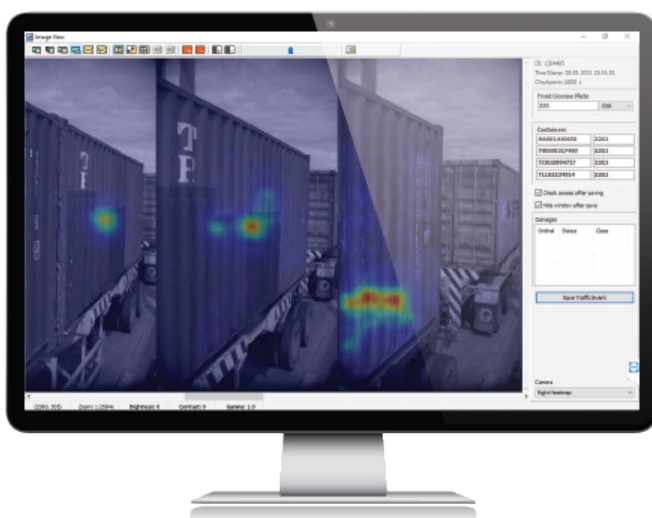
Visy OCR Portal captures images and identification data from all sides of containers, making the flow of traffic more transparent and automated

Add-on feature: Visy Automatic Damage Detection System

Visy Automatic Damage Detection System is the first commercially available solution for automatic container damage inspection. The solution uses modern AI with vision technology to provide a real-time tool for detecting damaged containers. Non-stop operation, online monitoring, and automated alerts allow damage inspection without interrupting traffic.

Visy ADDS automatically recognizes structural and surface deformities in containers, such as dents and bulges, when trucks drive through detection portals. Trucks no longer need to stop for manual damage inspections, which cuts the time spent at gate transactions and significantly decreases turnaround times.

Heatmap presentation for dents, bulges, extreme rust, holes.



Visy ADDS is inserted to Visy OCR portals as an additional feature, with only a few extra additions to the existing equipment



Add-on feature: Visy Measurement Portal

Visy Measurement Portal (VMP) measures and weighs vehicles and cargo while they are entering or leaving the terminal area. VMP provides terminal operators accurate measurement and volume information of arriving traffic and delivers opportunities for planning loading and unloading processes.

VMP is inserted to the Visy OCR Portal solution with a separate portal equipped with laser scanners and WIM scales to gather exact length measurements and to weigh arriving vehicle and cargo. The captured data is brought to Visy Access Gate and exchanged with TOS or other third-party systems.



Features

- Automatic recognition of license plates, container IDs, ISO codes, IMO labels, seals, etc.
- Exceptional real-life accuracy: 98-99.5% correct recognitions
- Non-stop traffic flow, supports speeds of up to 50 km/h
- Small footprint and two-directional operation with exceptional performance
- Works in harsh weather – Installations from -40°C to +50°C
- Robust portal frame with line scan and area cameras, laser scanners, illuminators, and electrical cabinets
- Integration to Visy Access Gate GOS or other gate operating systems
- Extensive data exchange and interfacing with third-party systems (TOS, POS, ERP)
- Applications for container terminals, logistics, manufacturing industry, law enforcement



Automatically
image and capture
identifiers of cargo
and vehicles



Centralized
management of
vehicles and assets



Globally local support

We deliver versatile automation solutions to create comprehensive identification and access control ecosystems. Our product & solution selection for ports and terminals is wide to match the diversity of our customers' requirements and preferences, and to cover every part of the terminal where identification or tracking of containers, vehicles, and cargo is needed.

Automated access control and container identification in every turn ensures a smooth traffic flow and increases profits through enhanced operational efficiency. Our global high-quality partner network minimizes reaction time and our experience of three decades in the port and terminal industry guarantees top-class solutions and support worldwide.

Implementation & delivery of our solutions is reliable without exception. With our professional project management and skilled team, we deliver customized and demanding solutions designed to achieve the highest possible advantages of process automation.



About us

Visy is a pioneer in optical character recognition (OCR), applied AI, and deep learning for camera-based automation and access control solutions. Our expertise is based on over 25 years of experience in research and development of industry-leading technologies, and we have established a strong position as one of the top global vendors in gate automation and OCR solutions.

5 000 000+
RECOGNITION
EVENTS EACH DAY

500+
FACILITIES
AUTOMATED

25+ COUNTRIES

INNOVATING SINCE
1994

OVER 1,000,000,000
IDENTIFICATION
EVENTS

25 YEARS OF
DEVELOPING AI AND
OCR TECHNOLOGIES

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