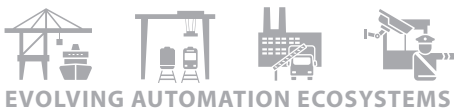


VISY



# VISY IRIS OCR PORTAL

Visy IRIS OCR Portal automatically recognizes and images vehicles and containers while entering or leaving a facility.



Expand | your vision



## Advanced data collection 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 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 creates 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.



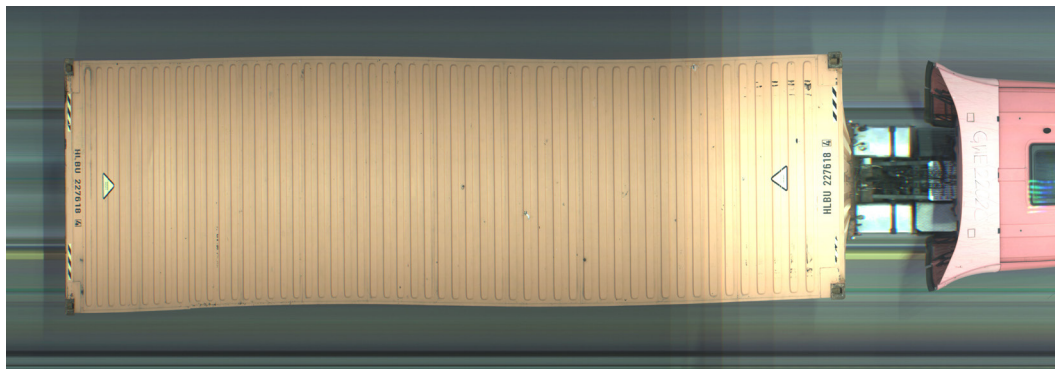
Visy IRIS OCR Portal captures images and identification data from all sides of containers

# Visy Access Gate user interface for reviewing gathered data and traffic event management.

**Summary Card:**

- Container: GWE2202C
- Container: GWE00444
- HLBU2276184
- 45G1
- SEAL
- Door: Normal
- GROSS: 32500
- TARE: 3900
- NET: 28600

ID	Date	Time	Chekpoint	Front License Plate	Rear License P...	Container 1	Container 2	Cont...	Cont...	ADR	RFID	Unit Detected	Trailer Detected
2764074	01.10.2020	07:01:24	OCR In 1									Yes	Yes
2764067	01.10.2020	07:00:58	OCR In 1									Yes	Yes
2764062	01.10.2020	06:59:56	OCR In 1									Yes	Yes
2764029	01.10.2020	06:54:13	OCR In 1									Yes	Yes
2764012	01.10.2020	06:50:44	OCR In 1									Yes	Yes
2763972	01.10.2020	06:46:34	OCR In 1									Yes	Yes
2763967	01.10.2020	06:46:05	OCR In 1	GWE2202C	GWE00444	HLBU2276184 / 45G1						Yes	Yes
2763949	01.10.2020	06:41:54	OCR In 1									Yes	Yes
2763944	01.10.2020	06:40:21	OCR In 1									Yes	Yes
2763931	01.10.2020	06:37:34	OCR In 1									Yes	Yes
2763929	01.10.2020	06:37:16	OCR In 1									Yes	Yes
2763888	01.10.2020	06:30:22	OCR In 1									Yes	Yes
2763881	01.10.2020	06:29:21	OCR In 1									Yes	Yes
2763869	01.10.2020	06:27:20	OCR In 1									Yes	Yes
2763832	01.10.2020	06:20:35	OCR In 1									Yes	Yes
2763815	01.10.2020	06:18:03	OCR In 1									Yes	Yes
2763809	01.10.2020	06:17:40	OCR In 1									Yes	Yes
2763787	01.10.2020	06:12:03	OCR In 1									Yes	Yes
2763764	01.10.2020	06:11:37	OCR In 1									Yes	Yes
2763753	01.10.2020	06:10:25	OCR In 1									Yes	Yes
2763741	01.10.2020	06:09:19	OCR In 1									Yes	Yes
2763727	01.10.2020	06:07:21	OCR In 1									Yes	Yes
2763724	01.10.2020	06:06:50	OCR In 1									Yes	Yes
2763709	01.10.2020	06:04:52	OCR In 1									Yes	Yes
2763703	01.10.2020	06:04:31	OCR In 1									Yes	Yes
2763698	01.10.2020	06:04:11	OCR In 1									Yes	Yes
2763696	01.10.2020	06:03:40	OCR In 1									Yes	Yes



## Additional 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 vessels' loading 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: 97-99.5% 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



**Decrease Truck  
Turnaround Time  
by up to  
60%**



**Automatically  
identify and image  
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 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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