



PACECO® CORP. Camera Automation System, OCR-MIV

Mobile Inventory Vehicle



Figure 1 – MIV Vehicle and Associated Hardware (U.S. PATENT 6,356,802 B1)

Features & Benefits

- System locates wheeled loads transported into a terminal. These loads are often difficult to find as the containers can arrive from any type of over the road shipping company.
- Eliminates the need for labor intensive manual “spotting” of parked wheeled loads.
- Detection sensors can detect empty, bare chassis, and container and chassis in the specific parking spot.
- Audit system allows for correction of difficult to read containers in a safe workstation environment.
- Containers can be graded for OCR read accuracy.
- Can be utilized as frequently as possible for accurate container inventory information.

This system is specifically for yards that have a need for inventory management for on-wheel chassis parking. The PACECO® CORP. OCR-MIV (Optical Character Recognition – Mobile Inventory Vehicle) is a system that utilizes OCR technology installed on a pickup truck to capture parked on-wheel chassis containers. This allows for container location (via a GPS tracking system) and container identification (with the on board OCR system) to be tracked in real-time within the terminal.

The cameras installed on the MIV capture images for both the OCR system and the Audit Client. The Audit Client is software hosted by PACECO® CORP. software which allows a user to correct poorly read container number reads with the OCR system. If only the Audit Client option is purchased, this system simply pushes images to the PACECO® CORP. Camera Automation Server for processing at the Audit Client Stations by User Clerk Workstations.

If the OCR option is purchased as well as the Audit Client option, the Local Audit/OCR Computer will attempt an OCR analysis of the captured image data.

The OCR system will read the container’s ISO ID number from the front of the container when triggered by the container sensing system. The OCR system can have 90% or greater container reads when in operation during day or night lighting conditions. There are two cameras configured to read both horizontal and vertical container numbers. Figure 2 and 3 below; exemplify the system reading horizontal and vertical container ISO ID’s.

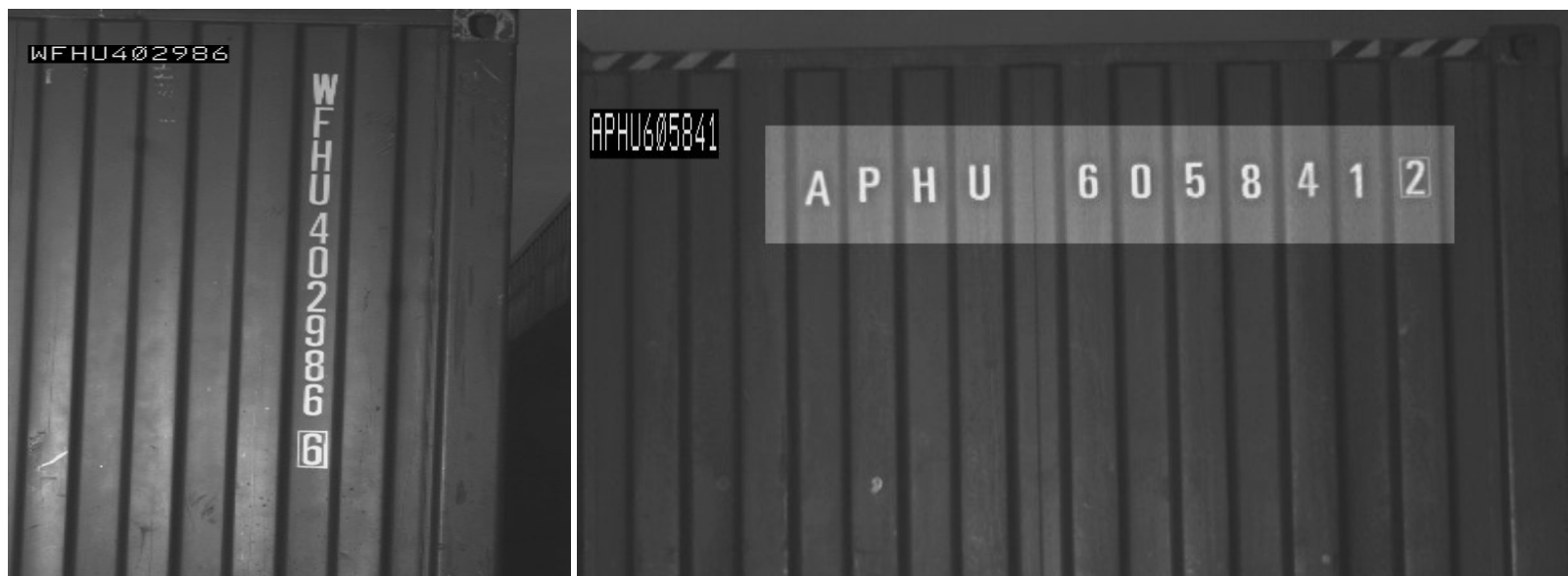


Figure 2 & 3 –OCR System Reading Horizontal and Vertical container ISO ID's

For more information about this or other PACECO® CORP. products please contact us at (510) 264-9288

THE PACECO® CORP. ADVANTAGE

Extensive Experience with Quay Crane and RTG Manufacturing and Design • Experts in large scale deployments of custom hardware and software technology for harsh environments • In house software and hardware group for quick turn of software and hardware design and support • Local Inventory of Technology Hardware stored on-site at corporate headquarters in Hayward, CA • PACECO CORP. stands behind its products. We service what we sell • All products sold have on-call and on-site support and hardware replacement programs available • Extended Service maintains backward compatibility to end of life products.



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