

Transforming Faster, Safer & Smarter Port Operations

Port & Terminal Gate OCR Solution



By leveraging Intel® technologies, dOCR by Docker Vision helps ports and terminals address manual checks, fragmented data, operational delays, and limited real-time visibility. The result is faster, more efficient gate operations.

Docker Vision's AI-powered computer vision platform automates the identification and verification of containers, vehicles, and rail wagons across port and terminal operations. Using real-time AI-driven OCR and computer vision, the solution validates container numbers, ISO codes, IMDG labels, seal presence, container damage, wagon numbers, and vehicle license plates, replacing manual inspections with real-time digital workflows. Integrated with Terminal Operating Systems (TOS), Vehicle Booking Systems (VBS), and ERP systems, it provides audit trails, safety monitoring, damage-dispute support, and ESG intelligence.

Deployed on the ASUS NUC 15 Pro+, powered by Intel® Core™ Ultra processors (Series 2), the solution leverages the integrated NPU for low-latency edge AI inference, resilient operation during network disruptions and peak traffic conditions, and simplified Docker/Kubernetes deployments. Supporting real-time processing of multiple camera streams, the platform helps ports and terminals reduce gate transaction times to 20-30 seconds, cut idle time by 60-70%, lower fuel consumption and CO₂ emissions by 20-30%, and reduce manual document handling by up to 90%.¹

dOCR by Docker Vision delivers AI-powered OCR and edge computer vision using existing CCTV infrastructure. The result is faster terminal processing, over 99% identification accuracy¹, and reduced operational delays.

Intel Products & Technologies

Accelerating AI and analytics at the edge



[Intel® Core™ Ultra
Processors \(Series 2\)](#)



[Intel Deep Learning
Streamer](#)



[Intel® Arc™ Graphics](#)



[OpenVINO™ Toolkit](#)

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



Accurate Container
OCR



Low-Latency
Edge AI



Enterprise-Grade
Stability



Continuous Terminal
Operations

Powered by Intel® processors and optimized with the OpenVINO™ toolkit, Docker Vision and ASUS deliver:

01



Intel® Core™ Ultra
processors accelerates
container OCR AI.

02



OpenVINO™ optimizes
vision model performance
at the edge.

03



Intel® Deep Learning
Streamer enables
efficient video analytics.

04



Edge Orchestrator
simplifies edge
deployment.

That's the power of Intel Inside®.

Country/Geo:

Europe, Middle East, and Africa;
Asia Pacific, Japan, Australia &
New Zealand; India

Verticals:

Enterprise;
Security & Surveillance

Use Cases:

Loitering Detection;
Video Analytics

About Docker Vision

Docker Vision designs, develops, & deploys AI-powered computer vision solutions for ports, terminals, & logistics infrastructure. The platform automates real-time identification, validation, & monitoring of containers, vehicles, rail wagons, & cargo assets across maritime & intermodal environments. It is deployed at port entry/exit gates, rail terminals, container yards, STS crane operations, CFSs, ICDs, & other terminal infrastructure.

www.dockervision.com

[dOCR Port & Terminal Gate OCR
Solution - Edge AI Partner Spotlight](#)

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Intel® AI Edge Applications

About ASUS

ASUS is a global technology company driven by innovation and passionate about enhancing digital life. It designs and delivers a broad range of products and solutions that empower people and organizations, combining cutting-edge engineering, quality, and sustainability to create intuitive, reliable experiences for users worldwide.

www.asus.com

[ASUS NUC 15 Pro+ - Edge AI
Partner Spotlight](#)

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Intel® AI Edge Systems

¹Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

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