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VAXOCR CONTAINERS

VaxOCR Containers is Vaxtor's OCR software solution for automatic detection and recognition of container codes based on the international standard ISO 6346.

The OCR Engine for container code recognition is 100% proprietary and the data obtained can be sent to third party applications using the communication interface of VaxALPR.

VAXOCR CONTAINER SOFTWARE IS AVAILABLE ON TWO PLATFORMS:

EMBEDDED IN AXIS CAMERAS WITH ARTPEC-5 OR ARTPEC-6 CHIPSET

PC PLATFORM



Overview

- OCR engine fast, accurate and easy to use
- Recognition of cargo container ISO 6346 codes
- Works from both video stream and still images
- Runs in a standard PC or embedded in Axis cameras with ARTPEC-5 or ARTPEC-6 chipset
- PC version compatible with major camera brands: Axis, Pelco, Basler...



Operating mode

- **Triggered:** Recognition is initiated by an external event
Axis cameras:
 - > I/O port
 - > VAPIX eventsPC platform:
 - > External device with I/O port
 - > HTTP POST
- **Free flow:** Recognition is carried out continuously



Results in real time

- Data provided:
 - > Container code, property code, dimensions, control digit
 - > Control digit validation
 - > Position of the code in the original image
 - > Sub-image of the container code
 - > Extra information (Date, hour, video source...)
- Reporting options:
 - > Open, specific and RAW format
 - > VAPIX / ONVIF protocol
 - > Milestone Analytics Event
 - > XML or JSON object through HTTP POST
 - > Container code in ASCII format



Applications

- Airports and harbor logistics
- Container inventory and surveillance
- Border control



Performance

- From 20 to 30 s per container:
Axis camera with ARTPEC-5 chipset
- Less than 5 s per container:
Axis camera with ARTPEC-6 chipset
- Less than 1 s per container: PC platform
(One logical core at 2'5 GHz per camera)