VaxOCR CONTAINERS

OCR Software for Automatic Recognition of Container Codes in ISO 6346 format

PSSU 210948 1
22G1

PSSU-210948-1-22G1

CSQU 305438 3
22G1

CTXU 406948 7
22G1

MORE INFORMATION **www.vaxtor.com**

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AXIS
COMMUNICATIONS

COMPATIBLE APPLICATION

VaxOCR CONTAINERS

VaxOCR Containers is Vaxtor's OCR software solution for the 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 CONTAINERS IS AVAILABLE ON TWO PLATFORMS:

EMBEDDED IN AXIS CAMERAS WITH ARTPEC-6/7 PROCESSORS

X86 PC PLATFORMS

Overview

- OCR engine fast, accurate and easy to use
- Recognition of both horizontal and vertical container ISO 6346 codes
- Works with live video or still images
- Runs on standard PCs or embedded in Axis cameras with ARTPEC-6/7 processors
- PC version compatible with major camera brands: Axis, Pelco, Basler, etc.
- Note: Processor must support AVX2

Operating mode

- **Triggered**: Recognition is initiated by an external event

  Axis cameras:
    > I/O port
    > VAPIX events

  PC platform:
    > External device with I/O port
    > HTTP POST

- **Free flow**: Recognition is carried out continuously

Results in real time

- Data provided:
  > Container code, owner code, owner city, container dimensions etc.
  > Control digit validation
  > Position of the code in the original image
  > Sub-image of the container code
  > Extra information (Date, time, video source etc.)

- Reporting options:
  > Open, specific and RAW format
  > VAPIX / ONVIF protocol
  > Milestone Analytics Event
  > Genetec Security Centre
  > XML or JSON object through HTTP POST
  > Container code in ASCII format

Applications

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

Performance

- Axis ARTPEC 6/7:
  Slow speed or stationary containers
- PC Platform (1 physical core @4GHz per camera):
  Up to 50Km/h

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