

Axis Cameras with Integral UIC Code Recognition



**International Union of Railways (UIC)
Wagon & coach number recognition**

Ref: VaxOCR UIC On Camera

Find out more at: www.vaxtor.com

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The VaxOCR UIC On Camera App reads UIC (International Union of Railways) rail wagon/coach numbers on slow or stationary railway rolling stock facilitating the detection and tracking of assets.



UIC Codes

- Digits 1-2: Vehicle type & Interoperability Capacity
- Digits 3-4: Country Code
- Digits 5-8: Vehicle Type Information
- Digits 9-11: Individual running (serial) number
- Digit 12: Checksum digit



Axis Camera Hardware

The software runs onboard an Axis camera with an ARTPEC 6/7 chipset.



Software

Reads, stores and transmits UIC codes on slow-moving wagons using Vaxtor's proven OCR platform. The user can define multiple ROIs (Regions of Interest) for accurate text detection.



ADR & Container Recognition

Other available analytics include ADR (Dangerous Goods plate detection) and ISO 6346 Container Recognition for complete monitoring of railway stock.



Results Publishing in Real Time

- Data provided
 - 12 Digit UIC code, date & time, etc.
 - Position of the code within the original image
 - Sub-image of the code (UIC patch)
 - Direction of travel
- Reporting options
 - Open, specific and RAW format
 - VAPIX / ONVIF protocol
 - Milestone / Genetec Analytics Events
 - XML or JSON object through HTTP POST
 - Plate code in ASCII format & many more options

For more details of UIC recognition or any other Vaxtor Analytics contact us at <https://www.vaxtor.com>