ADR RECOGNITION

ADR PLATE DETECTION

- Reads two-line standard ADR Plates

- Combines UN & Hazard ID Numbers

- Runs on PCs or on-board Axis Cameras

- Simultaneously reads license plates

OCR Engine
Fast, accurate and easy to use
Captures ADR codes at speed

Standards
Recognition of ADR Standard Codes

Platforms
Runs on standard PCs or embedded in Axis cameras with ARTPEC-6/7 chipsets

Video Input
Works with live video or still images

PC version accepts ONVIF compatible RTSP streams and is compatible with most major CCTV camera brands

Back Office
VAX-ADR sends data to the powerful Helix BOF which can sound alarms etc. or via TCP/IP, HTTP-POST XML, JSON, or .CSV etc. to many other 3rd party BOFS

VMS Compatibility
VAX-OCR-DOT can also send real time data to many VMS systems including: Milestone, Genetec, Pelco, March, Exacq etc.

The Vaxtor ALPR Engine runs on PCs or on-board Axis cameras with the latest ARTPEC 6/7 processors and reads license plates of passing vehicles. In addition to reading the license plates, an add-on analytic is available to recognise and report ADR plates.

ADR is an acronym for "*Accord européen relatif au transport international des marchandises Dangereuses par Route"* and orange ADR plates must be displayed on both the front and rear of vehicles travelling in Europe which are transporting any such dangerous goods.

The ADR plate is made up of two parts: the 2-3 digit Hazard Identification Number (HIN) and the four-digit UN number (Kemler Code). The HIN number indicates the hazard such as Radioactivity, Corrosivity, Flammability etc. whilst the lower UN number identifies the actual substance being transported.

The OCR Engine for ADR Plate recognition is 100% proprietary and takes advantage of our powerful integration and reporting capabilities offered by all VaxALPR series products including Milestone & Genetec VMS and many more.

*VAX-ADR Recognition is currently available on 2 platforms:

- *Embedded in AXIS cameras with ARTPEC 6/7*
- *PC Platform*

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The software will run on a PC where multiple cameras can be connected using standard IP connections. VaxOCR accepts video streams from most major camera manufacturers using standard RSTP protocol. The software can be configured to report only the ADR plates or to read both the license plate *and* the ADR plate sending each in turn to any programmed destination. Here they can be stored in pairs to associate the ADR plate with a particular vehicle.

When sending the ADR plate to Helix, Vaxtor's powerful Back Office, all plate and ADR reads can be stored and subsequently searched using complex searches including part or full plates or codes. The ADR code is reported as the plate's Country Code and alarms can be triggered when an ADR plate is detected, alerting staff to any potential hazards.

The software will also run on-board Axis Cameras meaning that the processing in a network is moved to the edge decreasing bandwidth usage any associated network costs.

Using an Axis camera, license plates can be stored temporarily on the internal Axis SD card before transmission to the remote Helix Back Office. This is a very useful feature for situations where connectivity is intermittent.

The Vaxtor ALPR application is installed onto the Axis camera and utilises the power of the ARTPEC 6/7 processor. The software processes the camera's video stream in real time locating and reading both ADR and license plates. Data is cached onboard the camera and at the same time transmitted to the Helix BOF or any of the supported third-party BACK offices and VMS systems including Milestone and Genetec for storage and further analysis.

For more information on Vaxtor ADR Plate reading contact any of the Vaxtor offices below.

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