CAMSTREAMER

Case study

Integration with AXIS A1001 Network Door Controller

Mission

We have integrated the AXIS P3228-LV Network Camera with the Axis A1001 door controller to graphically display information about the user requesting access to the door directly in the H.264 video stream from the camera.

Solution

This connectivity provides an easy visual inspection of entering persons at the surveillance site in real time, and simultaneously enables the same control in recordings. The graphics are inserted into the image directly in the camera, becoming part of the H.264 video stream generated by the camera and making the integration much easier.

The camera itself serves as a computer running our two ACAP applications, the CamScripter App and the CamOverlay App (all applications are installed directly into the camera), and JavaScript micro app for the actual integration running inside of CamScripter App. Therefore, no HW or SW adaptations are required for the integration into the existing VMS solution.

System components in the video:

- AXIS A1001 Network Door Controller
- AXIS A4011-E Reader with keypad
- AXIS P3228-LV Network Camera (any with ARTPEC-6 processor or higher can be used)
- CamScripter App
- CamOverlay App
- NFC cards
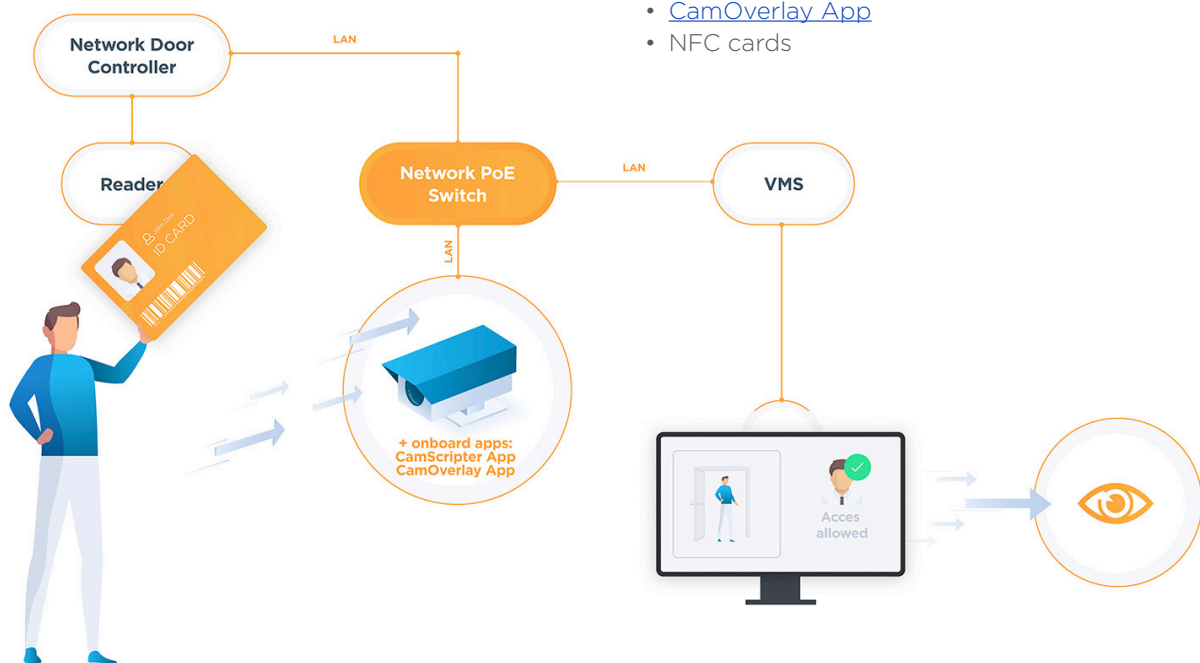
Tip: Get a free 30-day license on camstreamer.com. Try everything out before making a one-time purchase of the license.

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About the CamScripter App

The CamScripter App is a unique application that allows you to run micro apps directly on an Axis IP camera. You can choose from presets or tailor-made micro apps. The application runs inside an Axis network camera. In combination with the CamOverlay App, it allows you to embed any data from any source into your video.

Micro app for Door controller

The application has its own user interface (see picture below) where you can set the IP address, access details to Door controller, graphics position displayed in the camera image and manage photos of individual users registered in the Door controller. In our application, photos are stored on the SD card directly in the camera, but with a little adjustment can be read from a different source, such as your VMS server.

The application is freely downloadable together with its source code on our GitHub account here: https://github.com/CamStreamer

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**CamScripter Door Controller Management**

Camera Settings ⚙
Door Controller Settings ⚙
Display Settings ⚙

[Check Connection / Refresh]

Show [10 ▼] entries   Search: [   ]

Name ↑↓	Card ↑↓	Image ↑↓
Black, John	8c88a8b3	🖼 ⊕ 🗑 *
Green, Peter	92da456f	🖼 ⊕ 🗑 *
Johnson, Filip	90ca9583	🖼 ⊕ 🗑 *
Newton, Marcus	90c73d03	🖼 ⊕ 🗑 *

Showing 1 to 4 of 4 entries   [Previous] [1] [Next]

* Profile picture resolution: 144x182px (or same aspect ration).

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About the CamOverlay App

CamOverlay is a smart application that displays dynamic overlay graphics in the video directly on the Axis IP camera. The setup is easy. You can choose from preset overlays, such as a weather widget, info ticker line, custom transparent images, pictures from another camera and graphics related to PTZ positions. The application is also used to get graphics based on CamScripter App queries.

who are experienced in JavaScript programming or directly by CamStreamer programmers upon request. The same or similar integration can be done with any network device that supports API communication.

Result

Sample integration is deployable in real-time traffic. Application properties can be customized by users

camstreamer.com/resources/ door-controller

If you have **a request for a tailor-made micro-application** to be created for you, please don't hesitate to contact us: support@camstreamer.com