Case study

Integration of USB Barcode/QR Reader via Axis D3110 and Axis Network Camera

Mission

In this example, we will showcase the potential of **integrating a USB Barcode/QR Reader with an Axis Network Camera using the AXIS D3110 Connectivity Hub**. By connecting these devices, we demonstrate how data capture and analysis can be streamlined for improved efficiency and operational insights and control.
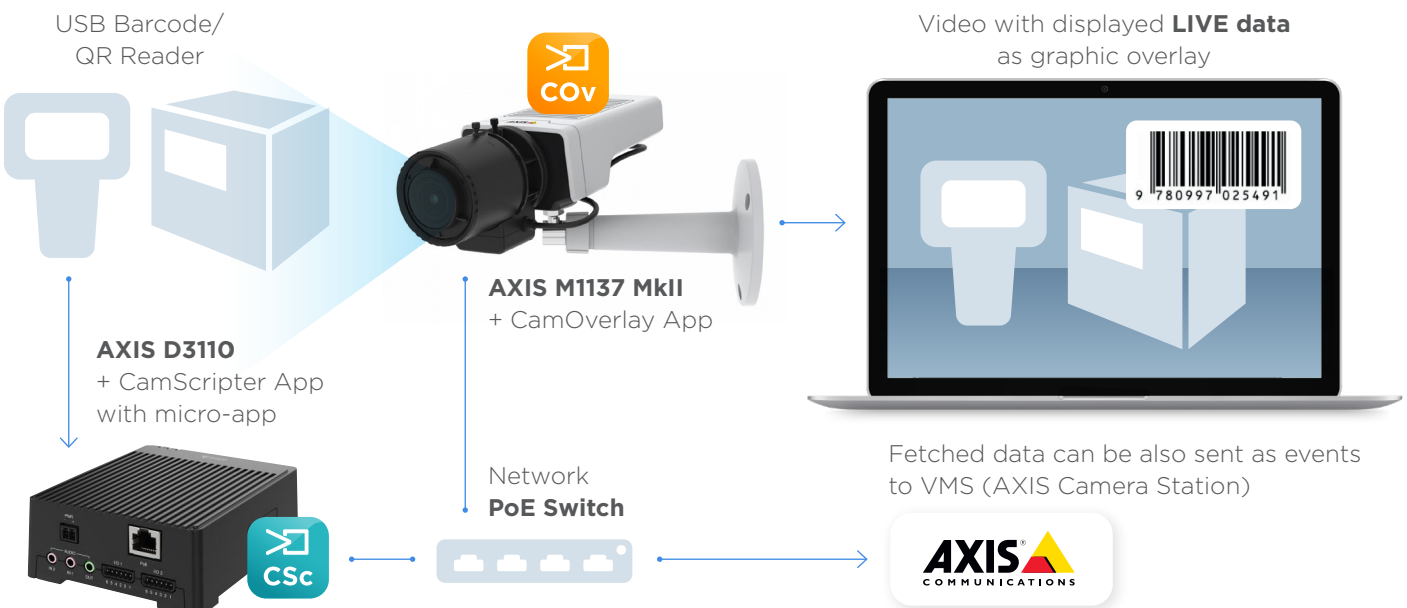
Solution

In our demonstration, we have chosen an **AXIS M1137 Mk II Network Camera** as the central component. Through the **AXIS D3110 Connectivity Hub**, we establish a connection between the **USB Barcode/QR Reader** and the IP network. This bridge allows seamless communication between the devices.

To enable this integration, we utilize the **CamScripter App** running on the **AXIS D3110**. This app incorporates a simple **Node.js script specifically designed for Barcode/QR Reader integration**. This script is available on our GitHub for free usage. The script fetch data from the reader and transfers it to the Axis Network Camera. **Simultaneously, it sends events within the Axis Camera Station VMS.**

What do you need?

Hardware:	Any compatible AXIS camera (for e.g., AXIS M1137 MkII)
	AXIS D3110 Connectivity Hub
	USB Barcode/QR Reader
Software:	CamOverlay App
	CamScripter App
	Script for the CamScripter App on GitHub

USB Barcode/ QR Reader

Video with displayed **LIVE data** as graphic overlay

AXIS M1137 MkII + CamOverlay App

AXIS D3110 + CamScripter App with micro-app

Network **PoE Switch**

Fetched data can be also sent as events to VMS (AXIS Camera Station)

AXIS COMMUNICATIONS

Case study

Integration of USB Barcode/QR Reader via Axis D3110 and Axis Network Camera

Result

Through this integration, we achieve the following outcomes:

Live Video Output with Dynamic Graphic Overlay: With the integration in place, we can see real-time data in the video. Graphic overlay seamlessly merges the captured data from the Barcode/QR Reader into the video stream, providing immediate visual insights. This enables real-time monitoring and analysis, enhancing operational visibility.

Events in Axis Camera Station VMS: Each Barcode or QR code reading triggers an actionable event within the Axis Camera Station VMS. These events are automatically recorded and organized, facilitating effortless search, filtering, and access to relevant recordings.

camstreamer.com/resources/ integrations

Watch video on YouTube

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