AXIS PARTNER SOLUTION

AXIS COMMUNICATIONS
Technology Integration Partner

CAMSTREAMER

CSc

Integrations and Custom Solutions

Integrate external data into your video feed.

Why Integrations and Custom Solutions?

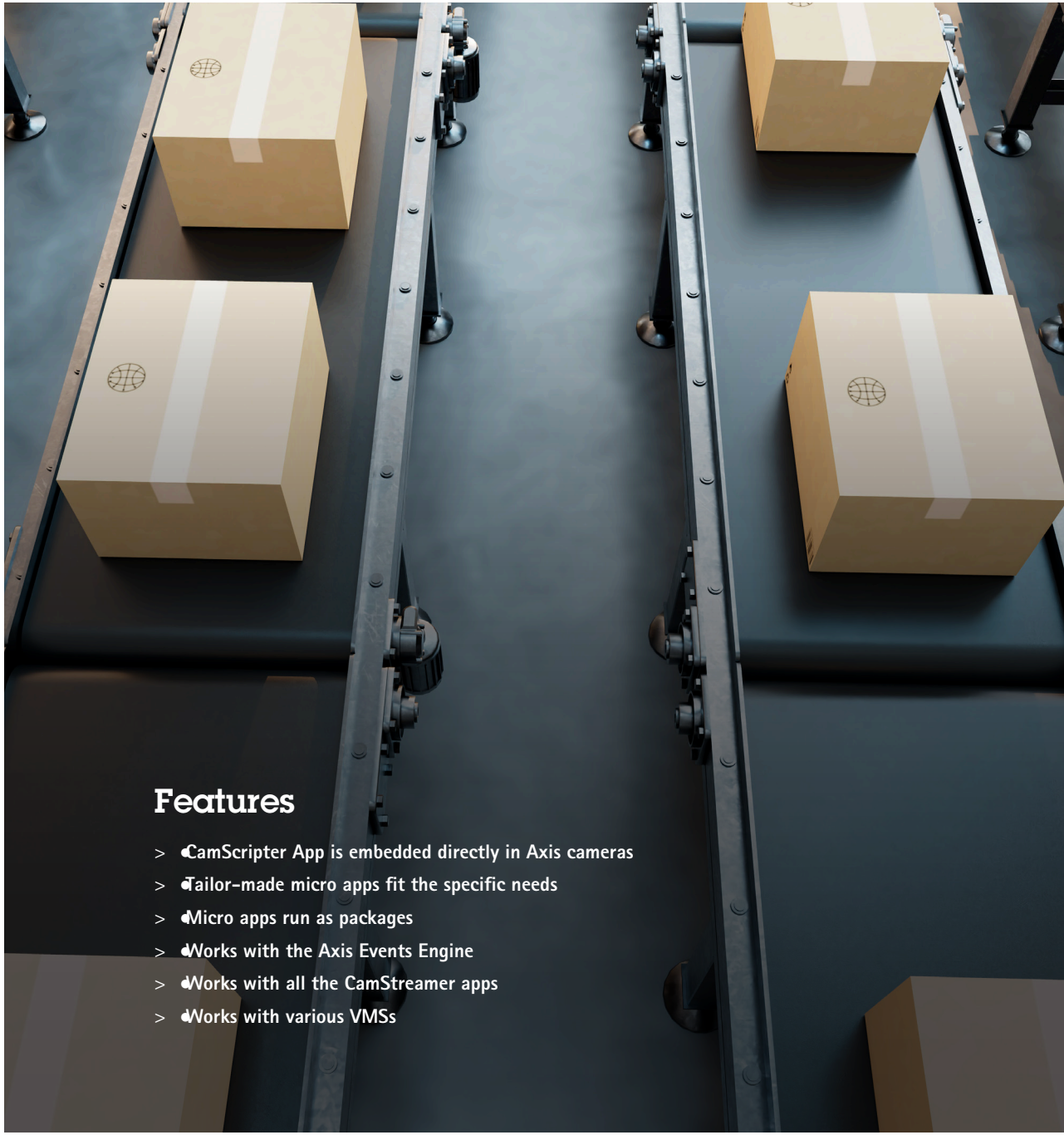
Integrate data from external sources into the video feed for a comprehensive and evidence-based view in video management systems (VMS) like ACS, Genetec, Milestone.

Why network video?

> Superior image quality
> Remote accessibility
> Easy, future-proof integration
> Scalability and flexibility
> Cost-effectiveness
> Distributed intelligence
> Proven technology

Why Axis?

> Industry leader in network video
> Global market presence
> Strong partner network
> Smart, innovative products and services for video surveillance, access control, audio systems, and video analytics

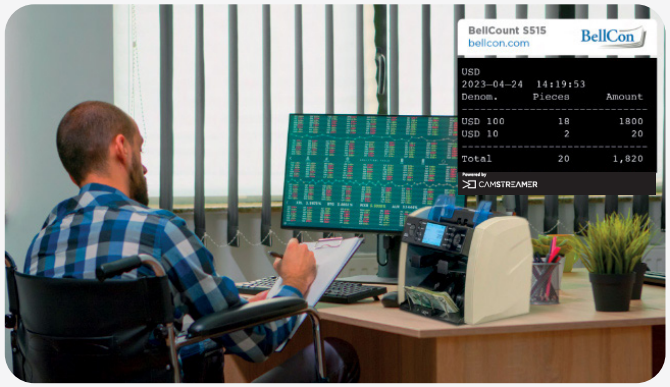


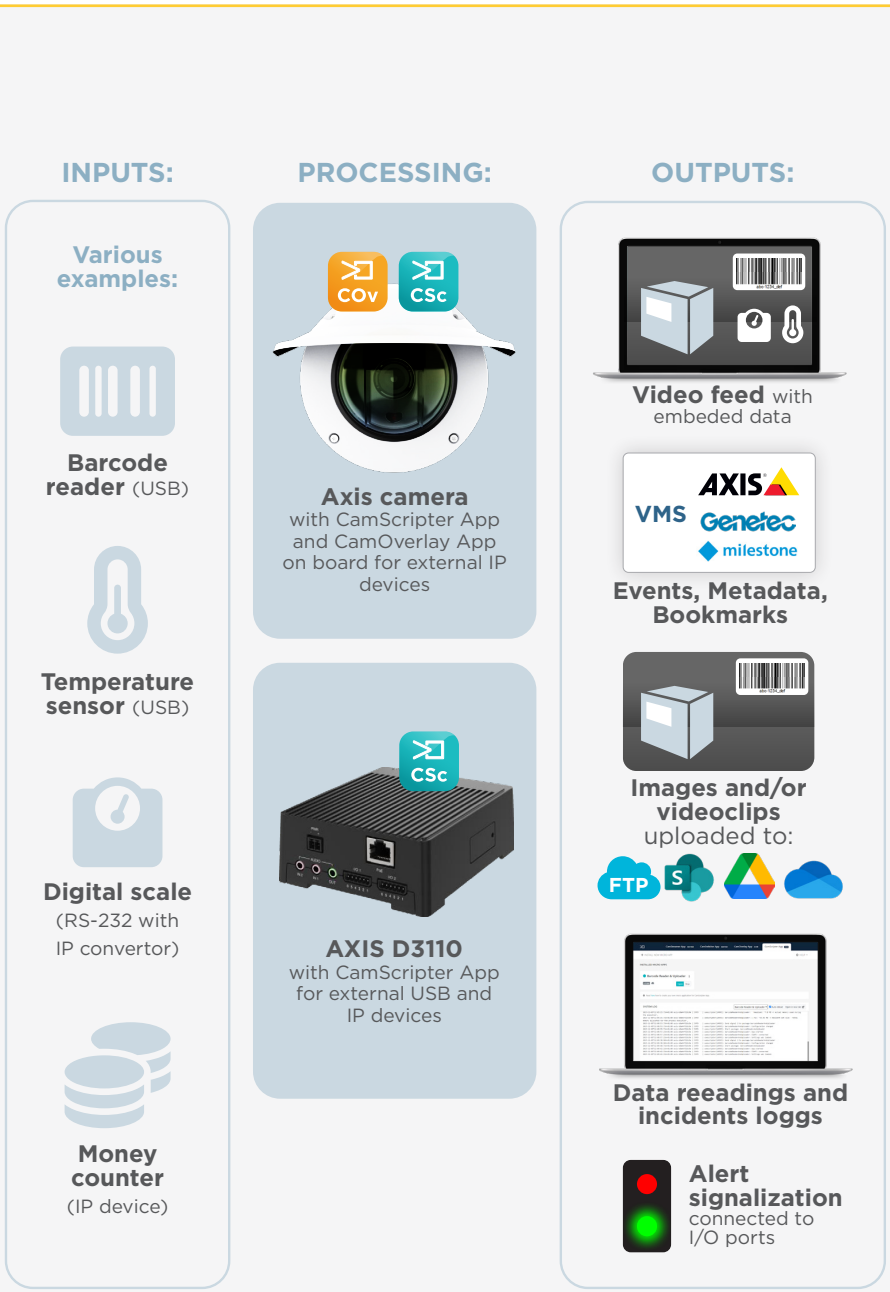
Features

> CamScripter App is embedded directly in Axis cameras
> Tailor-made micro apps fit the specific needs
> Micro apps run as packages
> Works with the Axis Events Engine
> Works with all the CamStreamer apps
> Works with various VMSs

CamScripter App – overview

The CamScripter App is a unique application that allows you to run micro-apps directly on an Axis IP camera. You can choose from our example micro apps available on CamStreamer GitHub (https://github.com/camstreamer) or create your own .js tailor-made micro-apps. This scripting interface can be used alone for automating tasks inside a camera or combined with the CamOverlay App to embed graphics directly into the image.





How does the CamScripter App work?

The integration workflow using the CamScripter App begins with various input devices such as a barcode reader, temperature sensor, digital scale, money counter, etc.. These devices feed data into an Axis camera with a running micro app within CamScripter App, while CamOverlay App handles graphics overlays insertion. AXIS D3110 Connectivity Hub does the job for connecting and integrating USB devices. CamScripter App in the camera processes the data and produces several outputs: a video feed with embedded data thanks to CamOverlay App, events, metadata, bookmarks managed by VMS. Moreover, images and/or video clips are uploaded to selected storage space, while data readings and incidents are logged. Lastly, alert signalization is connected to I/O ports. This setup is particularly relevant for environments requiring integrated data capture and processing, such as security, logistics, and retail.

What are the benefits?

No additional hardware

CamScripter App with a micro app are installed directly in camera.

Customization

Users can choose from preset micro apps or create custom ones to meet specific needs.

Data Integration

It allows embedding data from external sources into live video streams, making it ideal for real-time data visualization.

Enhanced Functionality

The app can run Node.js or JavaScript code, adding new features to the camera.

User Interface

Each micro app can have its own UI for configuration, in addition to the CamScripter App's UI.

Versatility

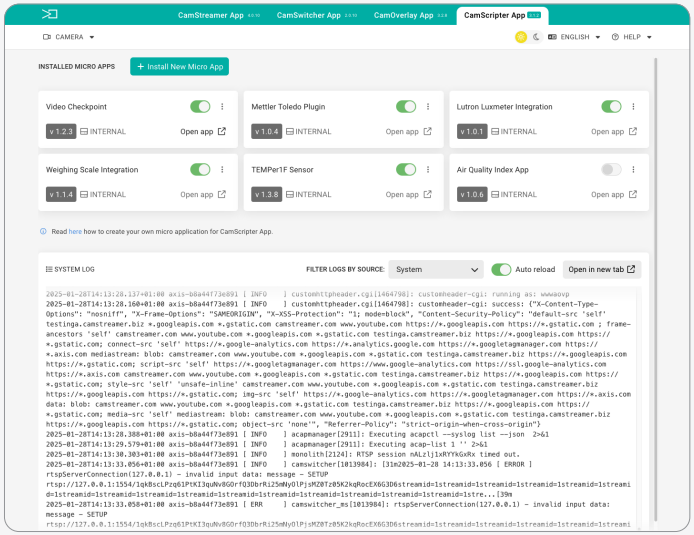
It can be used for various cases, such as displaying data from temperature sensors, barcode reader or electronic scale in a live stream.

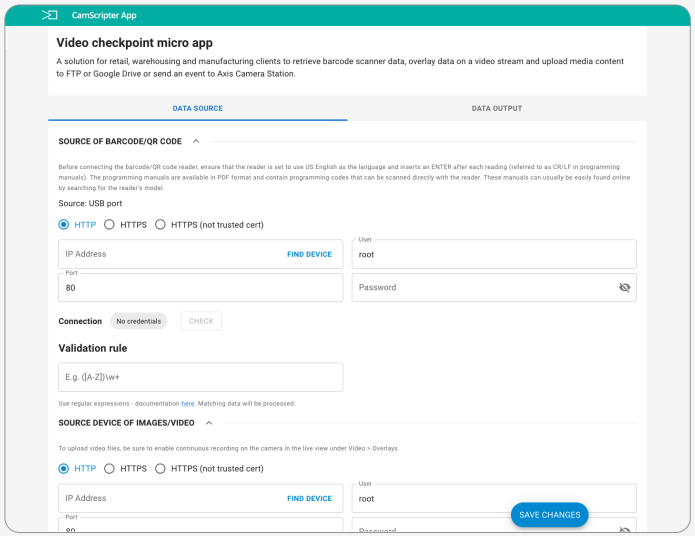
How to build Custom Integration solution

To build a custom integration solution with CamScripter, start by identifying your data needs and ensuring you have an Axis IP camera with an ARTPEC-6 chipset or higher. Install CamScripter App and CamOverlay App to embed graphics into your video. Develop or customize your desired micro app using Node.js or JavaScript to fetch and display external data. Connect your camera to external data sources using various APIs, JSON, XML, RS232, MQTT, or other protocols. Finally, test your integration and deploy it. If you need help with developing your custom integration solution, feel free to contact us.

Easy to install, configure and maintain

Both CamScripter App and CamOverlay App are installed directly in camera. CamScripter is designed for simplicity, making it easy to install and configure even for users without extensive technical knowledge. Its user-friendly interface ensures straightforward maintenance and seamless operation. Additionally, CamScripter offers example packages and ready-to-use scripts on GitHub, providing valuable resources for customization and integration with other applications The graphics for CamOverlay are stored on a SD card put in the camera.





Camera

All Axis cameras, some functions available only for ARTPEC 6 and higher processors, compatibility checker on https://camstreamer.com/download-app

ACAP

CamStreamer App
CamOverlay App

About Axis Communications

Axis enables a smarter and safer world by improving security, safety, operational efficiency, and business intelligence. As a network technology company and industry leader, Axis offers video surveillance, access control, intercoms, and audio solutions. These are enhanced by intelligent analytics applications and supported by high-quality training.

Axis has around 5,000 dedicated employees in over 50 countries and collaborates with technology and system integration partners worldwide to deliver customer solutions. Axis was founded in 1984, and the headquarters are in Lund, Sweden.

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