

Case study

Explore our **Video CheckPoint surveillance** for warehouses, retail, e-commerce operators, and shipping companies

About

Enhance your warehouse operations with our cutting-edge **Video CheckPoint system**, specifically designed for warehouses, retail, e-commerce operators, shipping companies and as an addition to any process where barcode scanning is used. This innovative solution simplifies the process of managing and tracking your goods.

Technical Solution

You'll need just three key components: a barcode reader, an **Axis multi-sensor camera** (in this case we use AXIS F9114 Main Unit paired with two AXIS F2115-R Varifocal Sensors), and our **CamStreamer apps**.



Here's how it works:

When you scan the barcode with the reader, snapshots from all cameras are **automatically uploaded to your SharePoint** site with the appropriate date and time. Uploaded JPG images contain embedded scanned barcodes. If the upload fails, for example, due to a bad connection, you will know about it immediately, thanks to the red light. If everything goes well, the green light will come on. **At the same time, note is recorded in the log.** For a double check, there are also camera recordings, where you can see the captured **barcode displayed as a graphic overlay** directly in the video. Look at the structure diagram on the following page for a better idea.



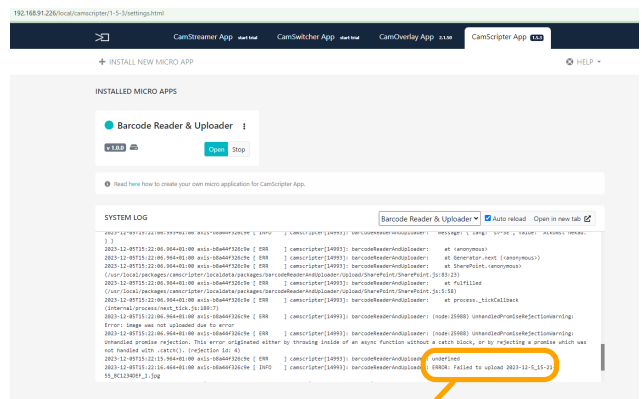
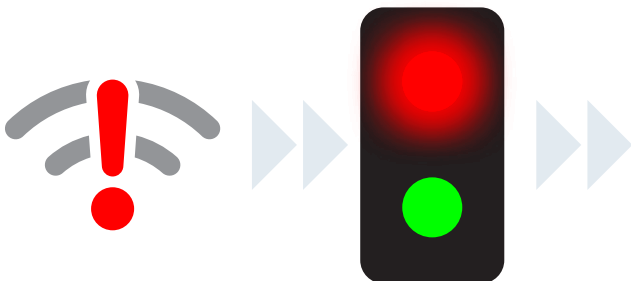
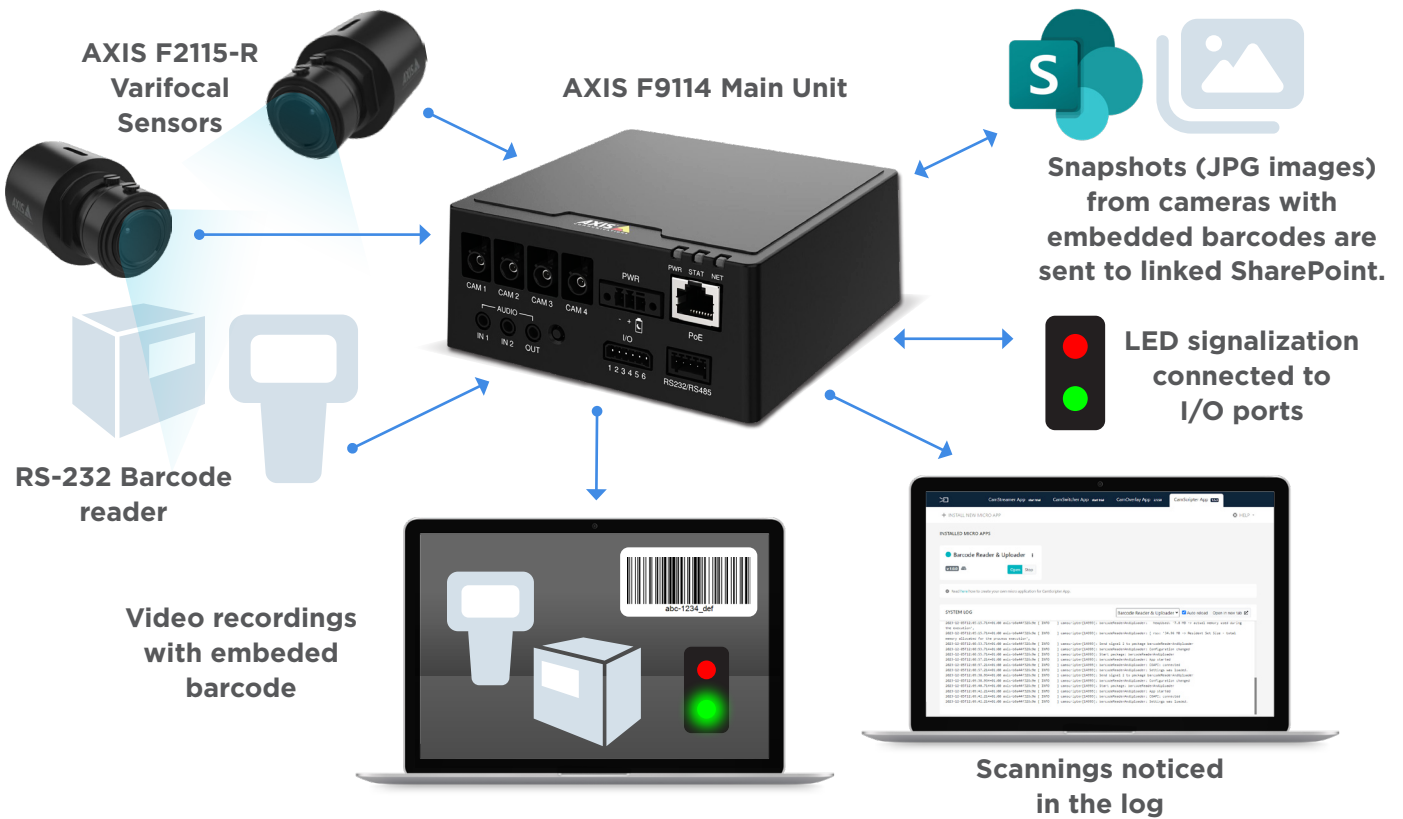
List of Supplies

Hardware:	AXIS F9114 Main Unit
	2x AXIS F2115-R Varifocal Sensors
	RS-232 Barcode reader
	LED signalization connected to I/O ports
Software:	CamOverlay App
	CamScripter App
	Micro-app (Node.js script)



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: undefined
: ERROR: Failed to upload 2023-12-5_15-21-

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Result: The process is straightforward and efficient

Barcode Scanning

Snapshots from all connected sensors / cameras (in this case can be from 1 to 4 sensors / cameras) are instantly captured as soon as a barcode is scanned.

Automated Uploads

These images are then automatically uploaded to your SharePoint server, tagged with the relevant date and time for easy tracking.

Real-Time Feedback

If there's an issue with the upload (like a bad connection), a red light indicator alerts you immediately. A green light indicates a successful upload.

Comprehensive Logging

Alongside these visual cues, every action is logged for record-keeping, ensuring a robust tracking system.

Double Verification

For added security, the system also records camera footage, displaying the scanned barcode as an overlay in the video, allowing for a secondary verification process.

Light Signalization

Our system features a unique light signalization for immediate status updates - a short green blink confirms the scan, and a longer light indicates a successful upload. A red light signifies any upload issues.

Error Handling and Data Organization

In case of an upload failure, the microapp's UI displays an error message. Successfully uploaded data is methodically saved in SharePoint, labeled with a date and code value, and sorted into date-named folders for easy access.

Surveillance Integration

This system isn't just about visual monitoring; it's a smart application of Axis cameras for intelligent, integrated surveillance, enhancing your security and operational efficiency.

Discover the power of this integration and explore how it can revolutionize your surveillance and goods-tracking processes.

We can efficiently extend this solution to accommodate extra requirements for data validation or destinations other than SharePoint (for e.g., Dropbox, Google Drive etc.) and any different process with photo confirmation (we are not limited to barcode scanning). Also, LED signalizations can be replaced/extended with other output devices, for example, beeping. We can offer an in-house, industry-grade box with LEDs as a standard solution component for visual indication. For more details, visit our [website](#), browse our [Integration gallery](#) for other use cases, and [contact us](#) to integrate this advanced solution into your system. Learn more at CamStreamer.com.

[Contact us](#)
[Browse Integrations](#)

We will be happy to create **a custom-made micro-app** for you.
Just e-mail us:

support@camstreamer.com



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