Integrating SNMP/HTTP-Compatible Power Supplies with Axis Network Camera using CamStreamer apps

About

In a world where surveillance technology continuously evolves, we demonstrate the seamless **integration of a power supply with SNMP/HTTP communication capabilities** with the world of Axis network cameras. To showcase this integration, we've chosen a backup power supply from IMCO POWER, a renowned manufacturer in this field utilized by our clients for mobile camera installations.

Technical Solution

At the heart of this integration is the connection between an **SNMP/HTTP-compatible power supply unit**, specifically the **IMCO Power LS110**, and the **AXIS M1137 MkII Network Camera**. The system employs two critical CamStreamer apps:

- **CamScripter App:** This app runs a micro-app script inside the Axis camera, processing data from the IMCO Power LS110, including **battery status**, **temperature**, **mains power connection**, and **cabinet door status**.

- **CamOverlay App:** Utilizes the data to create a **real-time visual widget in the video feed**, a feature unique to CamStreamer.

More importantly, the integration facilitates transmitting data as Axis Events to the **Axis Camera Station (ACS)** or other Video Management Systems (VMS) like **Milestone** or **Genetec**. This capability allows for creating smart events, such as triggering an alert if the temperature exceeds a certain threshold for a specified period of time, etc.
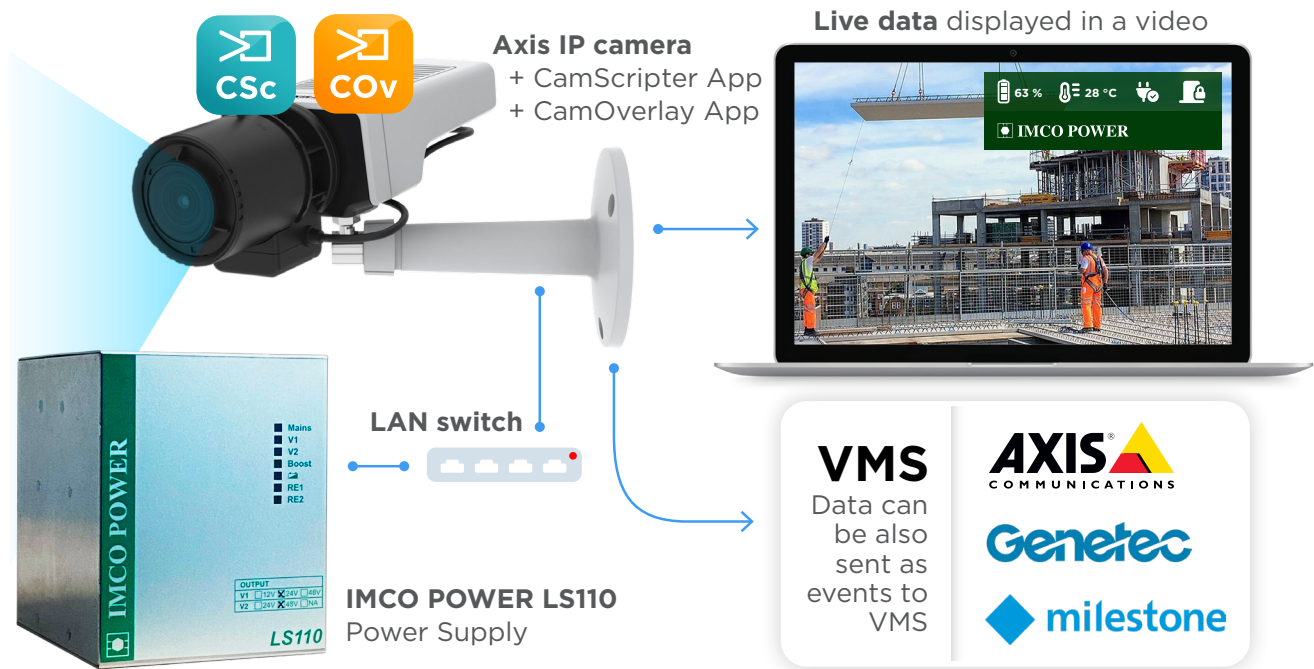

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List of Supplies

Hardware:	Any compatible AXIS camera (for e.g., AXIS M1137 MkII)
	IMCO Power LS110
Software:	CamOverlay App
	CamScripter App
	Micro-app (Node.js script)

Case study

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Live data displayed in a video

Axis IP camera
+ CamScripter App
+ CamOverlay App

LAN switch

IMCO POWER LS110
Power Supply

VMS
Data can be also sent as events to VMS

AXIS COMMUNICATIONS

Genetec

milestone

The integration offers:

1. **Visual data widgets** in the video stream **for immediate insight**.

2. **Advanced device event management in VMS**, enabling customized alerts and responses for scenarios like temperature fluctuations.

This case study illustrates how SNMP/HTTP compatible power supplies can be integrated into surveillance systems, enhancing operational efficiency and situational awareness.

We will be happy to create **a custom-made micro-app** for you.
Just contact us:
support@camstreamer.com

camstreamer.com/ resources/integrations