

Case study

Flow Meter Integration: Visualize the Flow Measurement of Liquids in Live Video

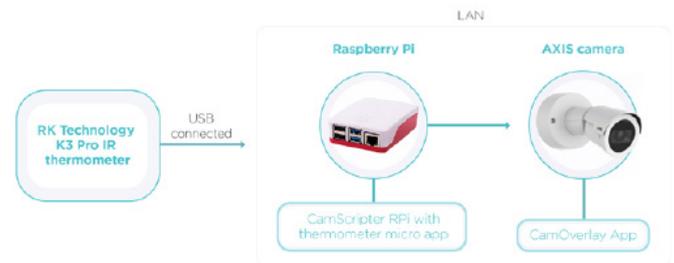
Mission

This project combines our **CamScripter RPi** with a flowmeter and a **custom-made I/O module** to visualize the flow measurement of liquids. The integration is aimed at **wine shops** and **pubs** and we **tested it successfully** with both wine and beer.

Solution

We tasked [Papouch](#), a company specializing in developing **custom electronic systems**, to build a custom version of their **Guido I/O module** ([similar to this](#)) for us so that we could connect up to 10 flowmeters to the module. The module is connected to a **Raspberry Pi** featuring **CamScripter RPi** and an in-house developed **I/O module package**.

Flow measurements are forwarded to an **AXIS camera** and visualized on-screen as a graphic overlay with the help of the [CamOverlay App](#).



List of Supplies

Hardware:	AXIS camera
	I/O module
	Flowmeter
	Raspberry Pi
Software:	CamOverlay App
	CamScripter RPi
	Flow Meter



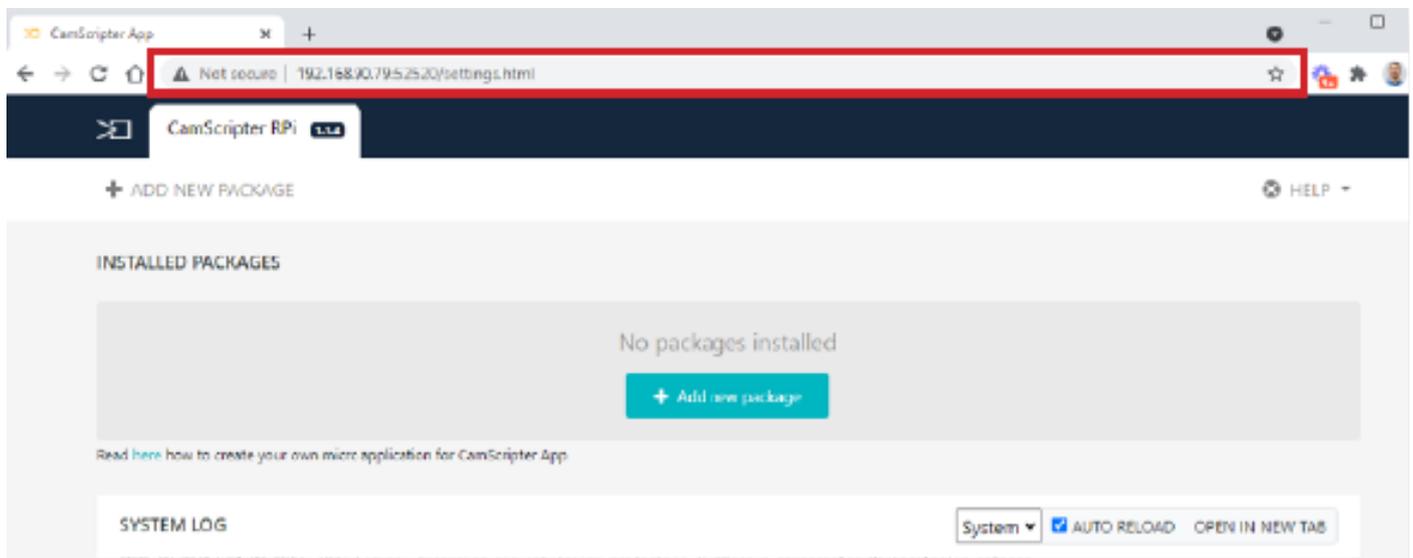
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Setup guide

Open your internet browser and type in **the IP address** of your **Raspberry Pi** to open **CamScripter App UI**. The IP address must be in **the following format**: <http://localhost:52520/settings.html>



Upload the [Flow Meter package](#).

Click **“Start”** to launch the micro application.

To **customize your flowmeter settings** and calibrate the device, open **CamScripter App UI** in your browser and access the **Flow Meter control** via the **gear button** next to the installed **Flow Meter package**.

Flow Meter	
Camera User	K-factor
root	5509
Camera Password	0
*****	<input type="button" value="Reset Counter"/> <input type="button" value="Calibrate"/> <input type="button" value="Start"/>
Camera Address	Group Name
192.168.91.124	Group 1
	Start Time
	0:00

To **launch the data loop**, press **„Start“**..

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Tip

Learn more about **CamScripter RPi** in [linked product sheet](#) where we explain how to **set up a Raspberry Pi** to work with our app and how to prepare CamScripter RPi to work with **micro apps of your choice**.



Result

This **integration is easy to set up and manage**. While we developed it mainly for use in **wine shops** or **pubs**, it was tested at a much smaller scale: check the **photos** accompanying this article to see **the flowmeter utilized at our own office party**.

camstreamer.com/resources/Flow-Meter-integration



Vysílá: YouTube