

Case study

# Displaying Data from an Electronic Scale in Video via an IP Camera

## Solution

We've written a micro application for the CamScripter App that takes data from the scale. The converter works as a TCP server and through it we query the RS232 series port of the digital scale. The frequency of queries is set in the micro application.

We then input data into the video's image using the Custom Graphics in the CamOverlay App. Two fields to which the CamScripter micro application sends data are mapped on the translucent image - one for the value of the scale and the other for the unit of measurement.

**The API CamOverlay App is used to update the data**

<https://camstreamer.zendesk.com/hc/en-us/articles/360010465797-CamOverlay-App-1-x-API-documentation#custom-graphics>

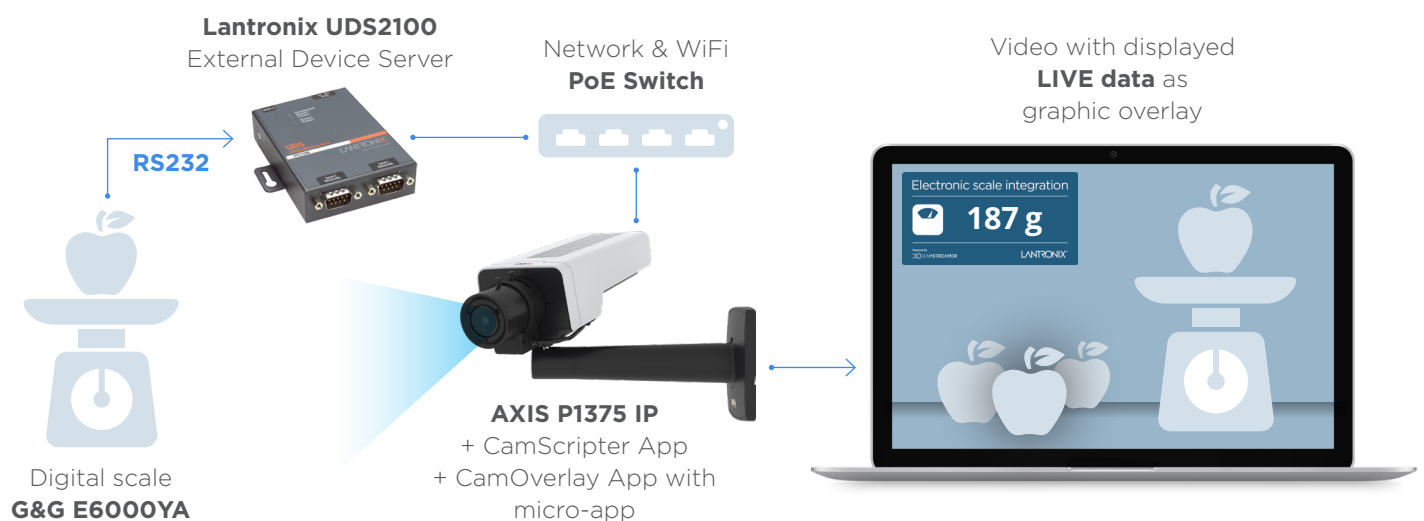
**The code of the micro application has 69 lines and takes only a couple of hours to create. The whole source code of this use case is available here**

The micro application in the CamScripter App can easily send data or events to another system.



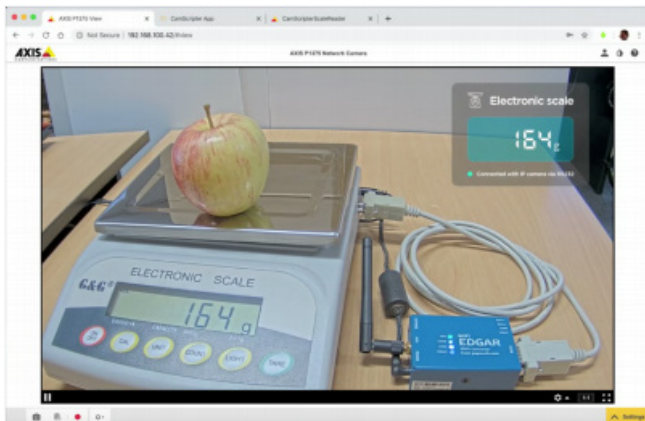
## What do you need?

- [IP camera AXIS P1375](#)
- [Digital scale G&G E6000YA](#)
- [EDGAR WiFi to RS232 or RS485 converter](#)



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CamScripter

### Electronic Scale Reader

Camera IP	Scale ID
<input type="text"/>	<input type="text" value="2"/>
Scale IP	Value Field Name
<input type="text" value="192.168.100.250"/>	<input type="text" value="data"/>
Scale Port	Unit Field Name
<input type="text" value="10000"/>	<input type="text" value="unit"/>
	Refresh Rate (ms)
	<input type="text" value="500"/>

EDGAR from papouch.com

### Settings

Network	Type: EDGAR WiFi Full	Technical support: www.papouch.com
Serial port	Firmware version: 1.0.0	Phone number: +420 267 314 268
HTTP GET	MAC: 00-90-43-90-89-48	+21 00m
Security	Browser: Firefox 73	
Other		

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**Network**

DHCP

Device's IP address:

Netmask:

Gateway IP address:

DNS server's IP address:

WEB port:

Communication mode:

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**Connection Parameters**

Local port:

Remote IP address:

Remote port:

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**Advanced settings**

Disconnect timeout:

## Result

We've prepared a demonstration of how easy it is to display external data thanks to our [CamScripter App](#) and [CamOverlay App](#) directly in the camera image.

For this demonstration, we've selected an **electronic digital scale**, which has an RS232 serial port. We've connected the scale via a serial cable into the RS232 to WiFi converter (this can also be done into Ethernet). Our applications in the Axis camera will take care of the rest.

**This demonstration shows how easy it is to enter data directly into the camera image. No computer or server is necessary – everything happens inside the camera.**

**Check our demo video**

[Check our setup video here](#)

The digital scale is only an example of the many things that can serve as a source of data. For more information [please contact us](#).



[camstreamer.com/resources/scale-widget-in-video](https://camstreamer.com/resources/scale-widget-in-video)

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](mailto:support@camstreamer.com)