

Case study

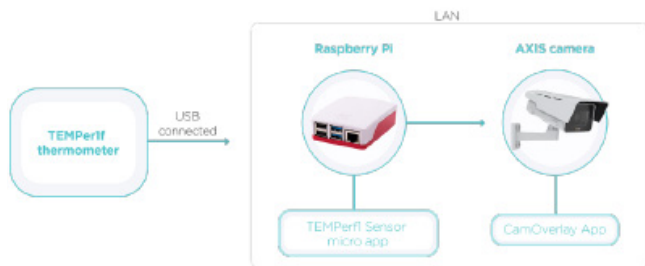
Widget for Temperature Sensor: Integration with **Thermometer TEMPer1f**

Mission

This project is a **flexible integration** for **temperature monitoring**: outdoors, in a swimming pool, glasshouse etc. It utilizes a **TEMPer1f thermometer** plugged into **Raspberry Pi** that's connected to an **AXIS camera** via network. The temperature is displayed as a **dynamic graphic overlay** using [CamOverlay App](#).

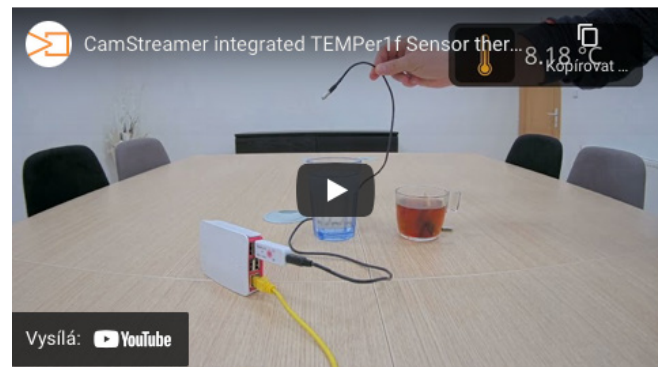
Solution

TEMPer1f Sensor integration utilizes a **micro app developed for this particular thermometer** and additional compatible models. The thermometer is connected to a [Raspberry Pi](#) running [CamScripter RPi](#) with uploaded [TEMPer1f Sensor package](#). CamScripter RPi forwards the data to an [AXIS camera](#) (AXIS M1135, P1375 etc.) featuring [CamOverlay App](#) so that the measured temperature can be displayed as an **graphic overlay**. The overlay becomes a part of the video stream and can therefore be managed in vms as a standard video source.



List of Supplies

Hardware:	AXIS camera
Software:	TEMPer1f Sensor micro app
	CamOverlay App
	CamScripter App



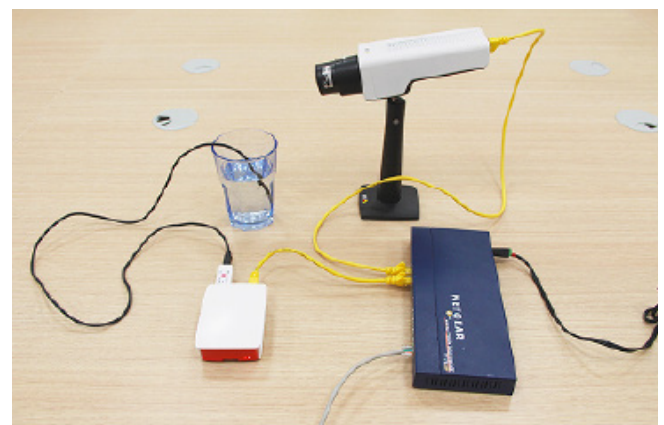
Custom Graphics

You can **design your own widget** or use **our custom graphics** for the micro app. The file is a part of the temper1fSensor.zip package available at [GitHub](#).

To use our already cutom designed widget, extract **customGraphicsBackground.png** file from the compressed file and import **customGraphicsConfig.json** (located at the same place) into CamOverlay App's **Custom Design settings**.

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**.

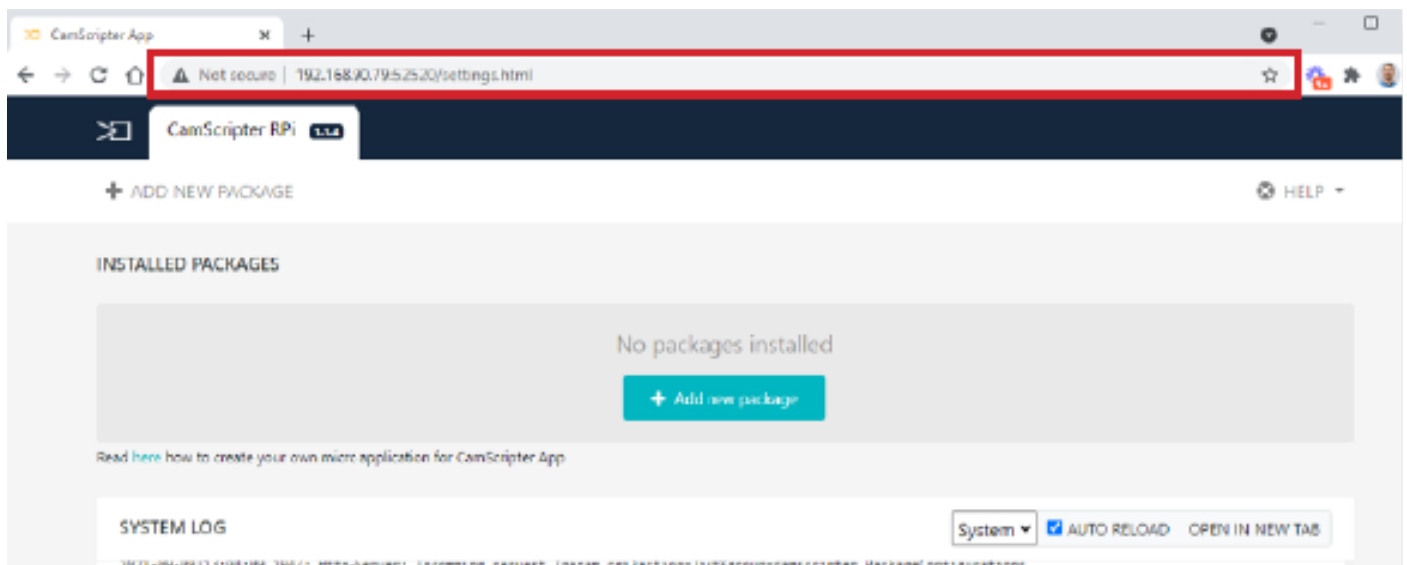


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Setup guide

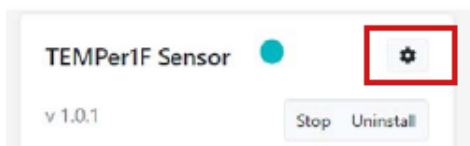
Open your internet browser and type in **the IP address** of your **Raspberry Pi** to open **CamScripter App UI**. The IP address must be in **the following format**: <http://localhost:52520/settings.html>



Upload the [TEMPer1f Sensor package](#).

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

To **set the thermometer up**, open **CamScripter App UI** in your browser, and access the **TEMPer1f Sensor** via the **gear button** next to the installed **thermometer package**.



Here you can choose between **Fahrenheit** and **Celsius** temperature scales.



And that's it.

Result

This is an **extremely useful** and **cost-effective thermometer integration** that can be applied across many scenarios and supports various graphics styles. Additionally, it's both **simple to set up and use**.

[camstreamer.com/resources/
Thermometer-sensor-solution](http://camstreamer.com/resources/Thermometer-sensor-solution)

