Case study

Wall Thermometer Integration: Widget in Video Screen with Temperature Data of Incomming Employees

Mission

We developed a simple integration to **visualize measurements of human body temperature** by plugging **a wall thermometer** into **a Raspberry Pi** and connecting it to **an AXIS camera** via network.

The thermometer takes **people's temperature** and the results are **displayed on a screen** as a simple **infographic** using CamOverlay App. The micro app can also **send event data** to a video management system or other systems via **HTTP push or MQTT**, so you can **search quickly through recorded footage or send notifications to responsible personnel**.
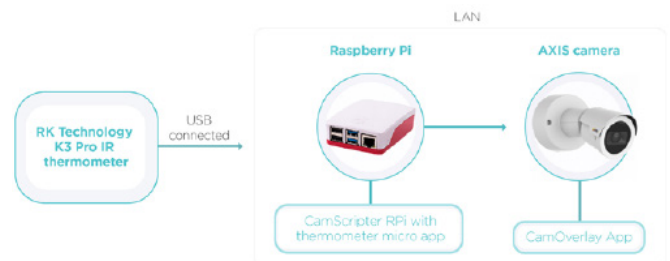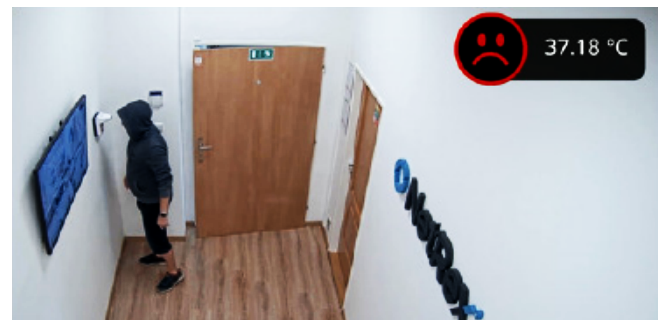
This integration is a cost and time-effective **virus/ disease prevention measure** in office buildings, shops, and other public spaces.

Solution

The core of this integration is CamScriper RPi and an RK Technology K3 Pro IR thermometer. The thermometer is **plugged directly** into a **Raspberry Pi**, **CamScripter RPi** forwards the data into an AXIS camera and the **measurements are displayed** via CamOverlay App graphics.
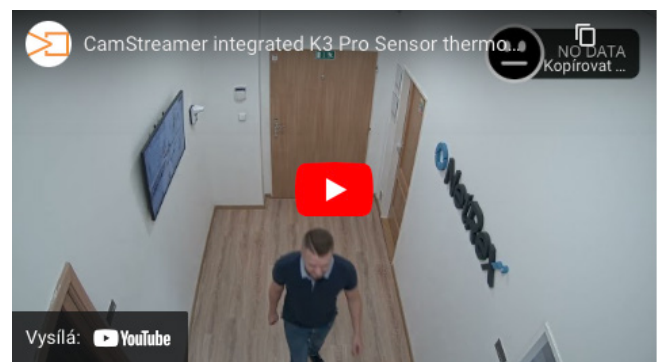
List of Supplies

Hardware:	AXIS camera
	RK Technology K3 Pro IR thermometer
	Raspberry Pi
Software:	CamOverlay App
	CamScripter RPi
	K3 Pro Sensor micro app

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**.
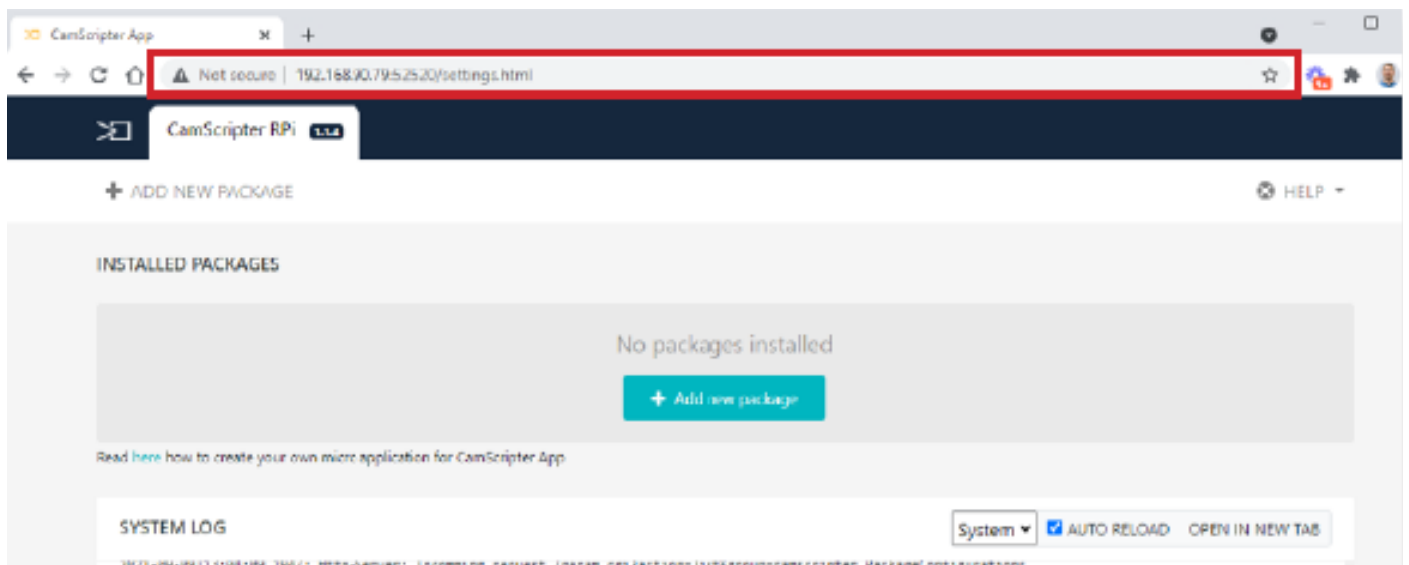
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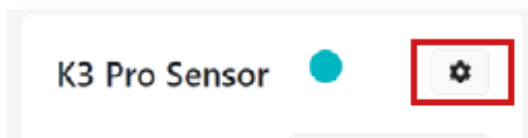
Setup guide

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
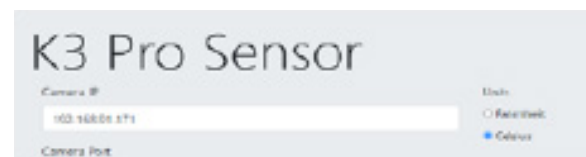

Upload the K3 Pro Sensor package.

Click "**Start**" to launch the micro application.

To **set the thermometer up,** open **CamScripter App UI** in your browser, and access the **K3 Pro Sensor** via the **gear button** next to the installed **thermometer package**.

Here you can select temperature limit, choose between Fahrenheit and Celsius temperature scales, and specify widget position.

And that's it.

Result

Our thermometer integration is a great solution for **efficient health monitoring** in shops, office buildings, and factories. It's **fast, convenient, and utilizes** a thermometer model available all around the world.

**camstreamer.com/resources/
Wall-thermometer-integration**