

CamScripter App for Raspberry Pi



CamScripter RPi is a free app that allows you to pull data from devices with USB / Serial interface and display them within an AXIS camera image.

Using the app is **simple**: plug the **device of your choice** (thermometer, flowmeter, scale, hygrometer, etc.) into a **Raspberry Pi**, and a script running in the **CamScripter RPi** will handle the serial communication between the **connected peripherals** and your **AXIS camera**.

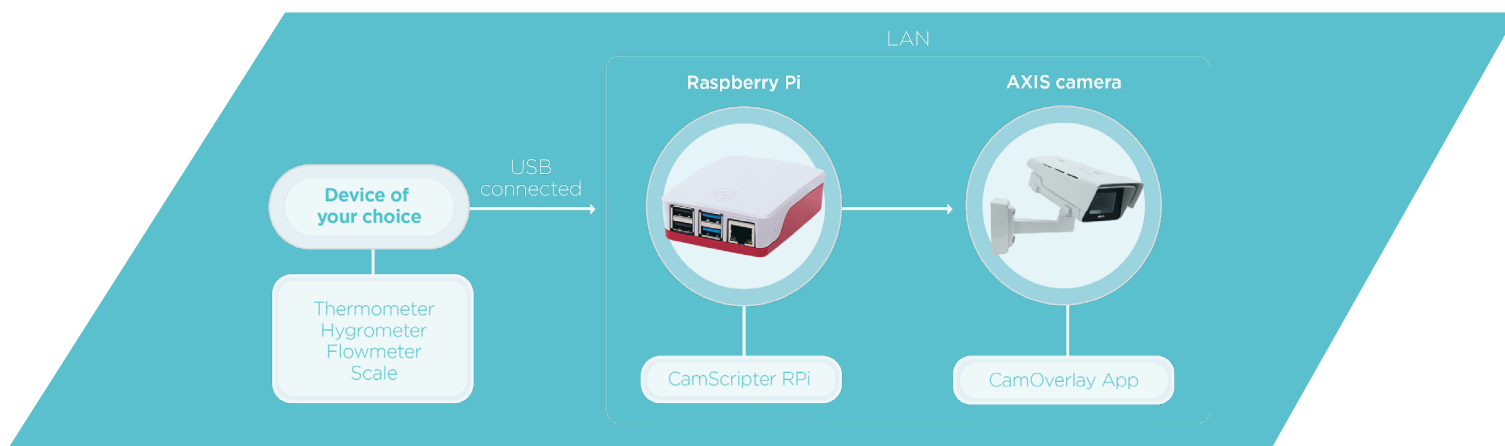
With **our solution**, you can utilize **various micro apps** with your AXIS camera and create **dynamic graphic overlays** with **CamOverlay App**.

What is CamScripter RPi?

[CamScripter RPi](#) is an **app specifically designed** to run on a **Raspberry Pi**. It works identically to the original version of the [CamScripter App](#) and runs micro apps. **Data** from the apps can be embedded into your video stream via [CamOverlay App](#) installed on your **AXIS camera**.

How does CamScripter RPi work?

This edition of the [CamScripter App](#) runs on a **Raspberry Pi** running Raspbian OS and **npm package manage** onboard. A micro app uploaded into **CamScripter RPi** processes inputs from devices connected to the **Raspberry Pi** and **sends data** to your **AXIS camera**.



What you need?

Hardware

- [AXIS camera](#)
e.g. AXIS M2025-LE
(MSRP \$329)
- [Raspberry Pi 4](#)
(approx. \$75)
- [Micro SD card](#)
(approx. \$10)

Software

- [CamOverlay App](#)
(MSRP: \$299)
- [Raspbian OS](#)
- [Npm 7.23.0](#)
- [CamScripter RPi](#)

CamScripter App for Raspberry Pi



INSTALLATION GUIDE

Install an **operating system** on your **Raspberry Pi** using an SD card and the following [official guide](#). While **CamScripter RPI** works with various Raspberry Pi versions, we recommend the latest model: [Raspberry Pi 4](#).



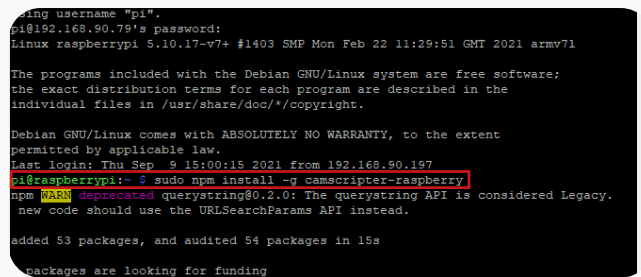
CamScripter RPI is placed as package in [NPM repository](#). You can check **compatibility** of **CamScripter micro apps** with CamScripter RPI in the manifest file of each script on the [GitHub](#).

Access **Raspberry Pi** from your computer using e.g. the [Putty client](#). Use this command:

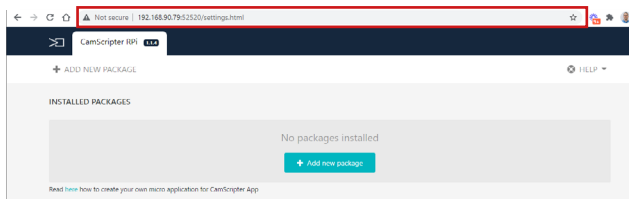
```
ssh pi@Your_IP_Address
```

Run the **following command** to install our version of CamScripter App:

```
sudo npm install -g camscripiter-raspberry
```



Setting up CamScripter RPI



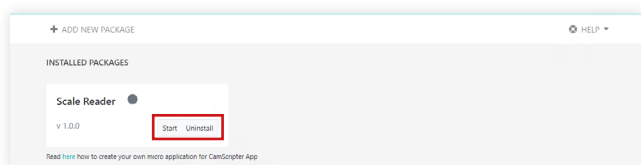
Open your **internet browser** and type in the **IP address** of your **Raspberry Pi** to open **CamScripter App UI**.

The **IP address** must be in the **following format**:

`http://localhost:52520/settings.html`

Upload the package of the **micro application** you wish to use with the **CamScripter App**.

Click **"Start"** to launch the micro application. **Configure** your micro application by pushing the **gear button**.



CamScripter App for Raspberry Pi



UNINSTALLATION GUIDE

To **remove CamScripter** from **system services** please run this command:

```
camscripiter-unregister
```

```
ound 0 vulnerabilities
npm notice
npm notice New minor version of npm available! 7.21.0 -> 7.22.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.22.0
npm notice Run npm install -g npm@7.22.0 to update!
npm notice
pi@raspberrypi:~$ camscripiter-unregister
Removed /etc/systemd/system/multi-user.target.wants/camscripiter.service.
CamScripter service is removed
```

```
itted by applicable law.
et login: Thu Sep 9 15:00:15 2021 from 192.168.90.197
@raspberrypi:~$ sudo npm install -g camscripiter-raspberry
m WARN deprecated querystring@0.2.0: The querystring API is considered Legacy.
ew code should use the URLSearchParams API instead.
ded 53 packages, and audited 54 packages in 15s
ackages are looking for funding
run 'npm fund' for details
ound 0 vulnerabilities
m notice
m notice New minor version of npm available! 7.21.0 -> 7.22.0
m notice Changelog: https://github.com/npm/cli/releases/tag/v7.22.0
m notice Run npm install -g npm@7.22.0 to update!
m notice
@raspberrypi:~$ camscripiter-unregister
oved /etc/systemd/system/multi-user.target.wants/camscripiter.service.
mScripter service is removed
@raspberrypi:~$ sudo npm uninstall -g camscripiter-raspberry
oved 53 packages, and audited 1 package in 2s
```

To **remove CamScripter** from your **device** please type in:

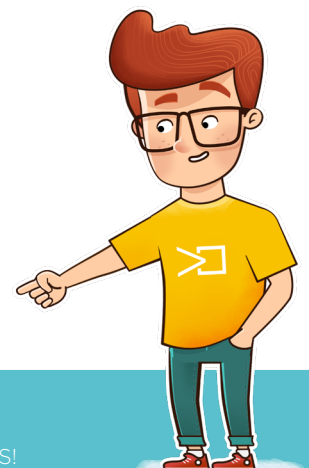
```
sudo npm uninstall -g camscripiter-raspberry
```

See our [GitHub page](#) for **more information**.

camstreamer.com/resources/Raspberry_Pi



Feel free to **CONTACT US!**



DO NOT HESITATE TO CONTACT US, IN CASE OF ANY QUESTIONS!
sales@camstreamer.com support@camstreamer.com