CAMSTREAMER

CamOverlay App
USE CASE - Graphics Button

Control live stream graphic overlays remotely with the push of a button & http commands

With the **CamOverlay App**, you can embed your own **overlay graphics** into your **live stream**. It's easy to set up, and our solution allows you to turn it on and off with the simple click of a button. This is handy if you don't have a computer nearby or need to change graphics **quickly** and **effectively**. It's great for live streams, where you can turn graphics on before and during your stream (including via your **mobile phone**).

What do you need?

- An AXIS camera
- The The CamOverlay App
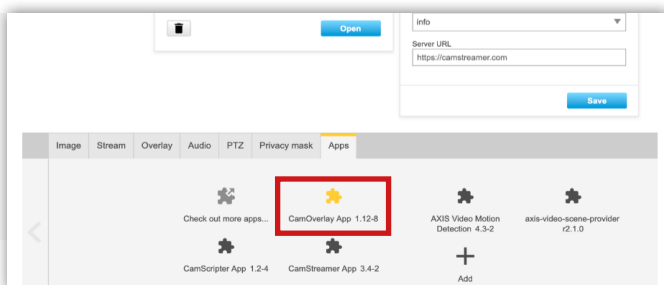- DYI Toggle switch (hardware button) with LED indicator

Tip: We recommend a network camera such as the AXIS M1135 – price $419.
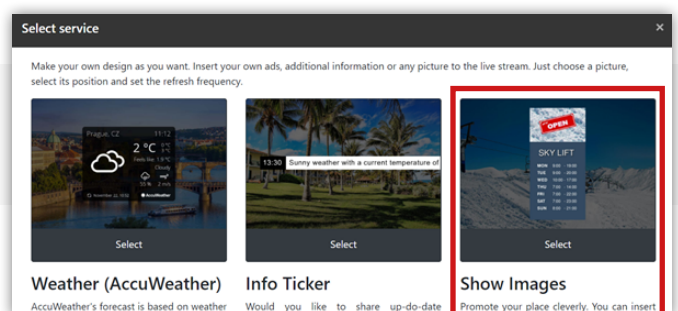
Steps for set-up:

1. Start a **free trial period** or buy a full one-time purchase **license key** for our applications at company webpage www.camstreamer.com.

Tip: A free 30-day license key is available on our website. This will allow you to try CamOverlay ACAPs before purchasing the license.
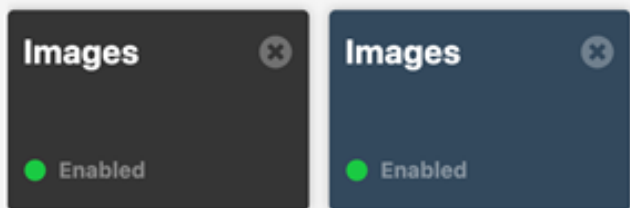
2. Sign in to **AXIS camera's web interface**. In the Apps tab, install the CamOverlay App. Open the **user interface** of the CamOverlay App. You can find the link in the **AXIS camera interface**. In the Apps tab near the application detail, click on the **Open button**.

3. In the CamOverlay App, select the "Show Images" widget on right side.

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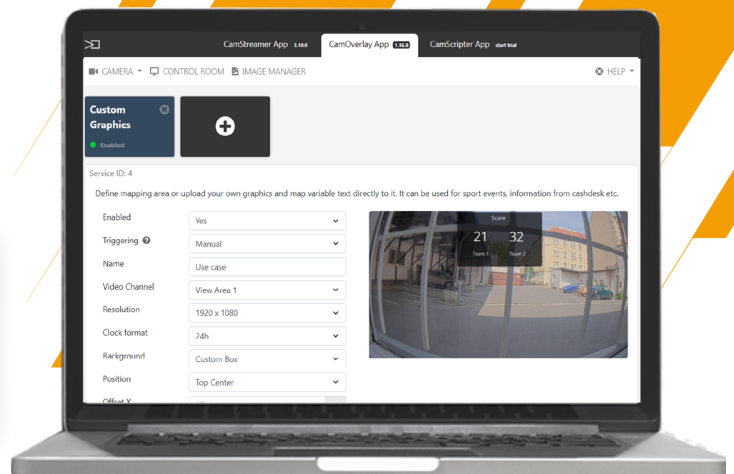## Control live stream graphic overlays remotely with the push of a button & http commands

4. **Add images** as graphic overlays in .png and .jpg formats – on **ARTPEC 6/7** chipset cameras, even animated .gif files are supported. Remember the unique overlay "**Service ID**" for future remote triggering. The ID is displayed when a specific overlay is selected.

How to set up the button

There are **several options** for managing your live stream graphics in the **CamOverlay App** with the push of a single button.

> **Tip:** You can use the **graphics button** before you start **live streaming**, during the stream (mainly live sports streams), or when you change a topic or subject (e.g. in an online classroom - chemistry graphics, mathematics graphics, etc.).
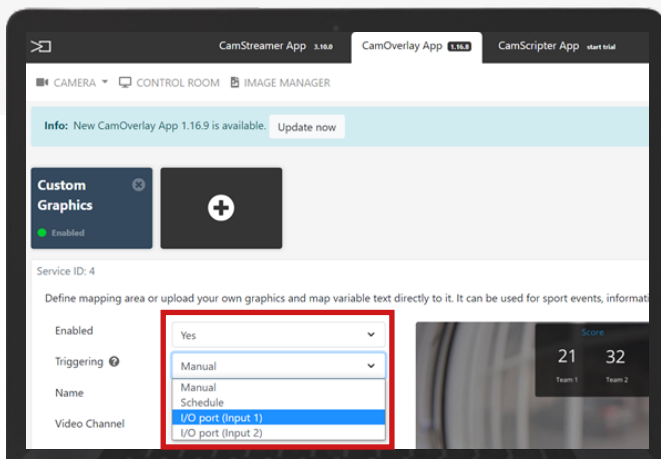

1. Hardware button
connected via an I/O port

A simple hardware button that you can easily create yourself (a video guide can be found [here](#)).

Then you can connect it to your camera and, while setting up infographics, select the **I/O (Input 1)** option in the Triggering function.

Then, press the connected button, which will turn the overlay graphics on or off. More buttons mean more variations of graphics in your stream.
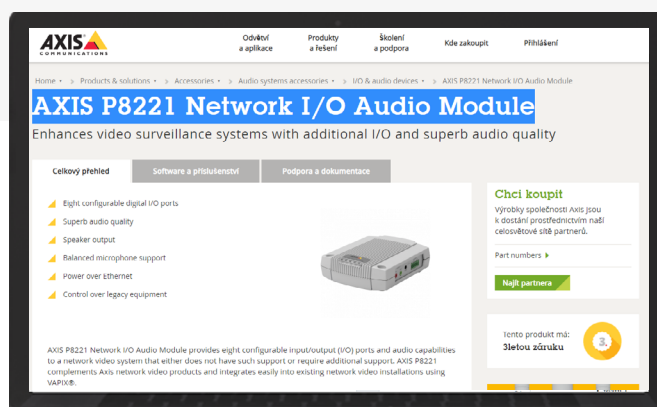
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2. Hardware button
for API commands

You can also use a hardware button that give an API command and sends them to the CamOverlay App. Convenient devices are:

a) the AXIS P8221 Network I/O Audio Module Network
b) programmable buttons from TSL Controls (we're currently testing the IP CONTROL BUDDY EB44 and will be publishing a guide soon)

3. Software button
on an HTML page (via API commands)

The **button for managing overlay graphics** in the live stream can also be located on a dedicated **HTML page**.

If you click on the button located on this page, it will call the **API command** to the CamOverlay App and turn the graphics **ON/OFF** or even switch between different graphics.

All the **API commands** for our applications can be found here.

CAMOVERLAY API EXAMPLES:

Turning ON 2 specific graphic overlays ("id_1", "id_9") in the CamOverlay App:

```
http://root:pass@192.168.100.140/local/camoverlay/api/enabled.cgi?id_1=1&id_9=1
```

You can **turn on** or **turn off** all services that you've defined with **one command**.

Tip: The advantage of an **HTML page** is that you can access it any time – from your notebook, tablet, or cell phone. You can also change the graphics using the Control Room. The Control Room is a part of the CamOverlay App.

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Changing text during live streaming in predefined text fields in the Custom Graphics in the CamOverlay App:

```
http://root:pass@192.168.100.140/local/camoverlay/api/textAndBackground.
cgi?service_id=1&field1=Biology&field2=Mrs.Smith
```

CAMSTREAMER API EXAMPLES:

START and STOP of a predefined live video broadcast ("stream_id=25")in the CamStreamer App:

```
http://root:pass@192.168.100.140/local/camstreamer/stream/set.cgi?stream_
id=25&enabled=1
```

And that's it! Your graphics are now waiting for you to turn them on or off with just one button!

Example of use *from the Holy Spirit Catholic Church, where they created an HTML page on a tablet and use buttons to call individual API commands.*

Need help?
Contact us at
support@camstreamer.com