TECHNOLOGY

Stream with a USB UVC Capture Card

CAYIN's SMP player and CMS server can integrate UVC-compatible capture devices to receive audio/video data. UVC, the acronym of **USB Video Class**, is a common standard for a capture device to communicate with a PC or a media player.

> **NOTE**
> We suggest you connect the USB port of the UVC capture card to the USB 3.0 port (the blue connector), otherwise some high-resolution modes may not be supported.

All technical data below are the results of tests conducted with several USB capture devices on the market. **We strongly recommend you pretest the function before you use it in your project to avoid possible compatibility issues.**

1. SMP Player

- Model: SMP-2200, 2210, 2300, 6000, 8000
- Software Version: SMP-NEO2 V3.0 or later
- Patch Recommended: P19797 - Fix sound disappearing issue when playing video-in.
- Supported Codec: Motion JPEG (MJPG)
- Supported Resolution: up to 720p (1280x720) @ 60fps or 1080p (1920x1080) @ 30 fps

The video captured by USB UVC capture card will be shown in the Video-In zone. Please refer to the online help to learn how to configure a Video-in zone.

2. CMS Server

- Model: CMS-60, CMS-SE
- Software Version: CMS V11 with SP1 installed
- Supported Codec: Motion JPEG (MJPG) and YUYV
- Supported Resolution: up to 720p (1280x720) @ 60fps

The video captured by USB UVC capture card can be streamed out to an SMP player via CAYIN RTB. Please refer to the online help to learn how to configure RTB streaming.

> **NOTE**
> - You are recommended to install CMS-SE in a hardware with Core-i5 CPU (or better) and 8GB DRAM (or bigger).
> - RTB streaming consumes high CPU usage. Therefore, we don't recommend you use the function in a CMS server connecting to more than 30 SMP players. Please also note that the local or streaming video might not play smoothly when an SMP player applies a complicated template.

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