



SY-XTREAM-C

4K HDMI to USB-C Capture & Recorder



The SY-XTREAM-C HDMI to USB video capture recorder with HDMI bypass can support resolutions up to 4K UHD+ (18Gbps) with HDR via the bypass path while simultaneously streaming the audio and video signal at up to 4K@30Hz to a USB connected PC for capture or re-broadcast. In addition to the embedded HDMI audio, a second audio stream can also be captured from the line input, mic input, or both mixed together for use in your streaming or pre-record projects.

The use of a special video timing stabilization feature helps to ensure that the USB capture stream won't lock up or drop, even if the HDMI input source is intermittent or becomes disconnected.

USB capture is accomplished using the UAC (USB Audio Class) and UVC (USB Video Class) standards, allowing the unit to support most common video capture, chat, or streaming software, including support for the Free OBS (Open Broadcaster Software) streaming software which is available for Windows PC, macOS and Linux.

The unit is powered directly by the USB-C connection so an external power supply is not required (for non-USB-C computer see our SY-XTREAM product). Availability and access to the controllable features of the SY-XTREAM-C will depend on the capture software in use.

PANELS

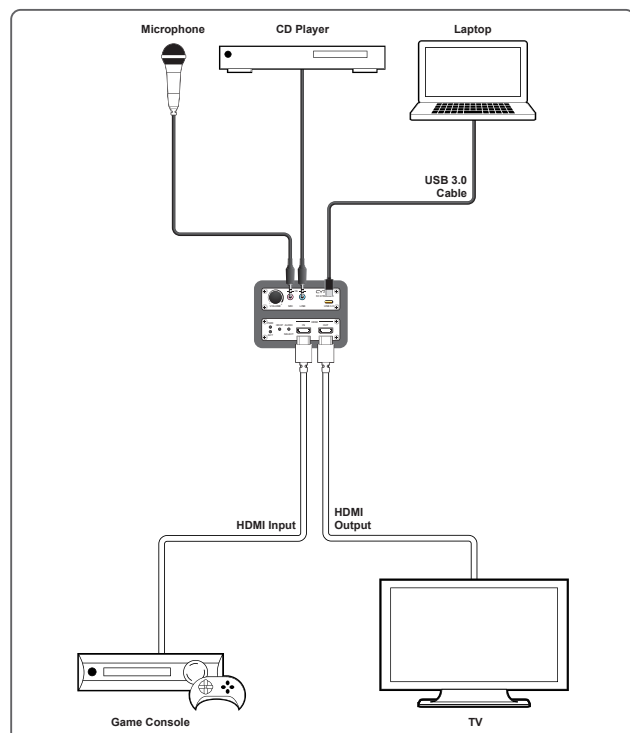


Front View



Rear View

DIAGRAM



FEATURES

- HDMI input and output supports up to 4K@60Hz with HDR bypass
- HDCP 2.2 and HDCP 1.x compliant Note: Video capture of sources using HDCP encryption is not supported
- USB 3.0 connection allows uncompressed video and audio data capture (up to 4K@30Hz, LPCM 2.0) Note: 4K sources with framerates higher than 30Hz are automatically converted to 4K@30Hz for USB capture
- 2 additional analog audio inputs via 3.5mm ports (1 x Stereo & 1 x Microphone)
- Supports capture of stereo audio from the HDMI input (LPCM 2.0) as a part of the primary stream, as well as audio from one or both of the analog audio inputs as a secondary audio stream
- Integrated audio mixer provides a way to combine the line and mic analog audio inputs
- Complies with the UAC (USB Audio Class) and UVC (USB Video Class) standards, allowing the unit to support most common capture and video streaming software Note: Access to many of the software controllable features of the unit, beyond simple video capture, requires the use of the USB Video Capture Control software which is only available for Windows 10 or later PCs
- Supports video timing stabilization to help ensure a reliable and stable USB capture stream
- Unit may be powered directly via USB-C connection (USB3.0)
- Supports the Free OBS (Open Broadcaster Software) streaming software which is available for Windows 10 (or later), macOS, and Linux

SPECIFICATIONS

Interfaces

Input Port	1x HDMI [1x HDMI Uncompressed AV and Data]
	1x 3.5mm Stereo mini-jack [1x Analogue Stereo(L/R)] 1x 3.5mm Stereo mini-jack [1x Microphone]
Output Port	1x HDMI [1x HDMI (bypass) Uncompressed AV and Data] 1x USB-C [1x USB-C / Thunderbolt]

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2 bypass
Input Signal Type	4K@60 8bit YUV 4:4:4
Output Signal Type	4K@30 8bit YUV 4:4:4

Resolutions

Maximum Input	HDMI	4096×2160p@60 YUV 4:4:4
Maximum Output	HDMI	3840×2160p@60 YUV 4:4:4

Audio

HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
Line In	1 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	USB powered
Power Consumption	4.1283W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	84mm×23mm×113mm [Case Only] 84mm×23mm×128mm [All Inclusive]
Weight	307g

Field Firmware Update

PC

ORDERING INFORMATION

Model No.	Product Description
SY-XTREAM-C	UHD+ HDMI to USB-C Capture with HDMI Bypass