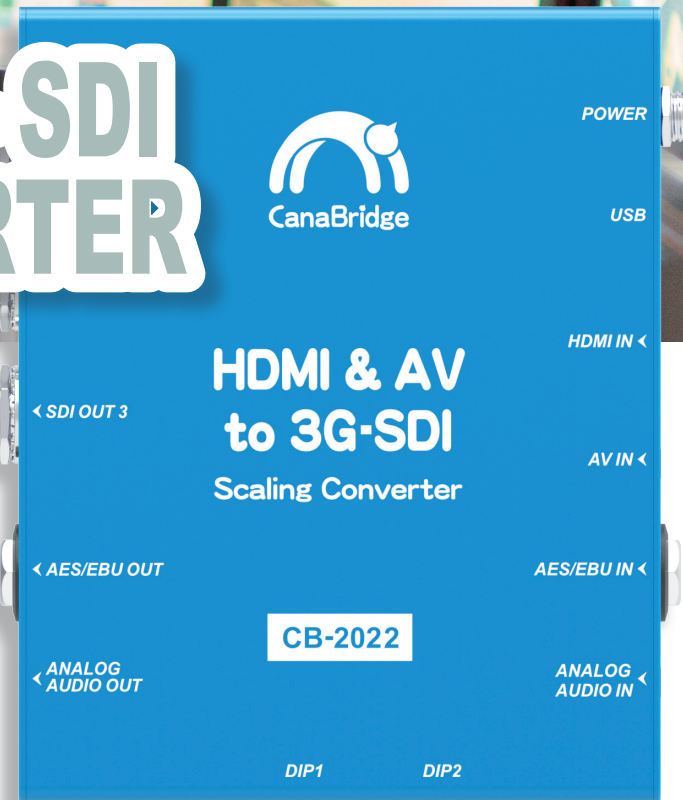


HDMI & AV to 3G-SDI SCALING CONVERTER

CB-2022

CB-2022 converts an HDMI or AV signal to SDI signal in three output ports.

The output formats include pass through, up/down scaling, frame rate conversion and de-interlacing. AES/EBU or Analog Audio input can be embedded into the SDI output. It can also extract audio signals from HDMI input and output to AES/EBU and Analog Audio. All these functions are easily programmed from the DIP switches at the back panel or alternately from a PC via USB interface. CB-2022 is the ideal choice for your broadcasting and AV post productions endeavor.



[Features]



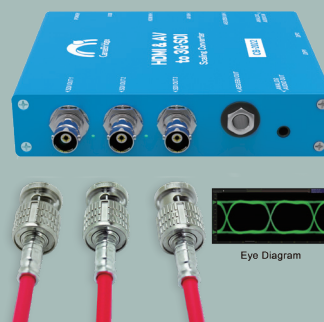
- Input: HDMI × 1, AV × 1, AES/EBU × 1, Analog Audio × 1 (2ch)
- Output: 3G-SDI × 3, AES/EBU × 1, Analog Audio × 1 (2ch)
- Up/down scaling and frame rate conversion
- AES/EBU or Analog Audio Embedding & De-embedding
- Input signal automatic detection and configuration
- LED indicators for power and signal lock
- Control easily via the DIP switches
- Remote control for PC via USB
- Threaded locking power connector
- Detachable bracket design for wall mounting

Programing is simple

DIP 1 (Input & Output)									
SDI Output	SW1	SW2	SW3	SW4	SDI Audio Embedding	SW5	SW6	SW7	SW8
Follow Input	1	1	1	1	Follow Input	1	1	1	1
SDI Out 1	1	1	1	1	AES/EBU	1	1	1	1
SDI Out 2	1	1	1	1	Analog	1	1	1	1
SDI Out 3	1	1	1	1	Image Flip	SW7	SW8	SW9	SW10
SDI Out 4	1	1	1	1	Normal	1	1	1	1
SDI Out 5	1	1	1	1	Horizontal Only	1	1	1	1
SDI Out 6	1	1	1	1	Vertical Only	1	1	1	1
SDI Out 7	1	1	1	1	Horizontal & Vertical	1	1	1	1
SDI Out 8	1	1	1	1	Custom 1	1	1	1	1
SDI Out 9	1	1	1	1	Custom 2	1	1	1	1

You can simply program the setting of CB-2022 through the DIP switches at the back panel without the need for additional programming tools. This can be quite convenient in a field application. You can also program CB-2022 using your PC through the USB connection. You can also update the firmware with this method.

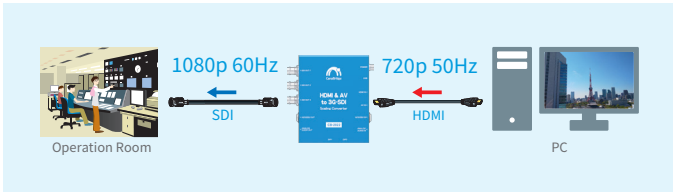
Triple SDI Outputs



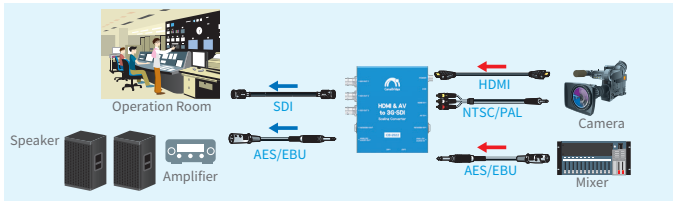
CB-2022 can transmit the converted SDI signals to three separate devices through three separately buffered output ports, thus maintaining stable signal quality over a long distance.

[Typical application]

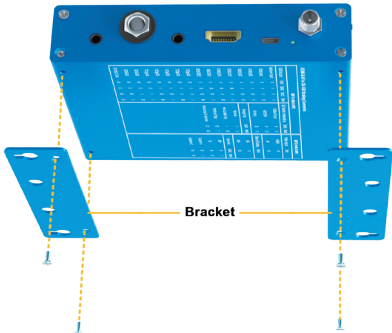
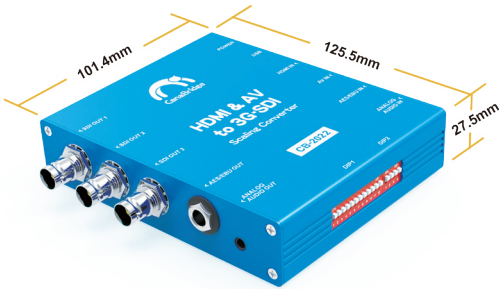
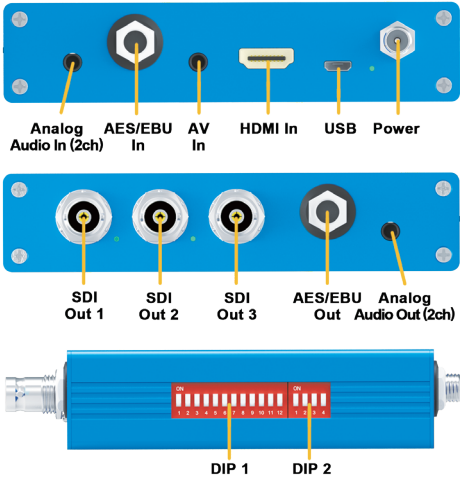
CB-2022 converts HDMI or AV signals to SDI signal up to 1080p 60Hz. The output formats include pass-through, up/down scaling, frame rate conversion and de-interlacing.



HDMI embedded audio or input of AES/EBU or Analog Audio can be embedded into SDI output. Also, HDMI embedded audio can be output to AES/EBU and Analog Audio.



[More detail]



[Parameter]

Connections	HDMI Video Input	1 × HDMI type A
	AV Input	1 × 3.5mm jack
	SDI Video Output	3 × SD/HD/3G-SDI(75Ω BNC)
	AES/EBU Digital Audio Input	1 × 1/4" (6.35mm) TRS jack
	Analog Audio Input (2ch)	1 × 3.5mm jack
	Updates and Configuration	Micro USB
	AES/EBU Digital Audio Output	1 × 1/4" (6.35mm) TRS jack
	Analog Audio Output (2ch)	1 × 3.5mm jack
Functions and Standards	HDMI Input Format	1080p 50/59.94/60
		1080p 23.98/24/25/29.97/30
		1080i 50/59.94/60
		720p 50/59.94/60
		720p 23.98/24/25/29.97/30
		576p 50
		576i 50
		480p 59.94/60
		480i 59.94/60
	HDCP	Signal with HDCP doesn't pass through
	HDMI Color Space and Precision	RGB 4: 4: 4 YCbCr 4: 2: 2 YCbCr 4: 4: 4

Functions and Standards	SDI Output Format	1080p 50/59.94/60
		1080p / 23.98/24/25/29.97/30
		1080i 50/59.94/60
		720p 50/59.94/60
		720p 23.98/24/25/29.97/30
		625i 50
		525i 59.94
	SDI Standard	SMPTE ST 259, SMPTE ST 292-1, SMPTE ST 424
	SDI Color Space and Precision	YCbCr 4: 2: 2
	SDI Video Rate	SD/HD/3G-SDI
Power	AV Input Format	NTSC, PAL
	Analog Audio Input	5dBu (Max)
	Analog Audio output	0dBu (Max)
Physical Specifications	Power	Threaded locking connector
	Power Consumption	6W(Max)
	Voltage Range	DC 6-15V
	Dimension	125.5 × 101.4 × 27.5mm
Environmental Specifications	Net Weight	310g
	Gross Weight	995g
	Operating Temperature	0 ~40 deg C
	Storage Temperature	-30~70 deg C
	Relative Humidity	0%~90% non-condensing

*Information in this document is subject to change without notice.