

# 3G-SDI to HDMI & AV SCALING CONVERTER

## CB-2021

CB-2021 is an exquisite and professional SDI converter to convert SDI signal into HDMI and AV signals at the same time. The output formats are responding to up/down scaling and frame rate conversion as well as signal pass through. The functions of de-interlacing and seamless conversion are equipped for eliminating jitters. Also, AES/EBU or Analog Audio signal can be embedded or de-embedded. All the functions can be easily set by the built-in DIP switches or PC via USB. CB-2021 is an ideal choice for your broadcasting and AV post production.

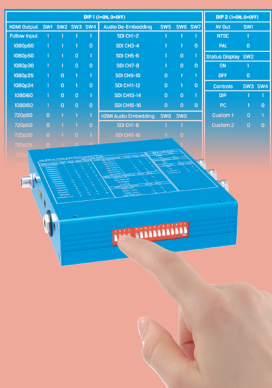


## [ Features ]



- Input: 3G-SDI × 1, Alt 3G-SDI × 1, AES/EBU × 1, Analog Audio × 1 (2ch)
- Output: 3G-SDI loop × 1, HDMI × 1, AV × 1, 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

## Easy Control over DIP Switches



By using the DIP switches, you can easily set functions with your finger, without the need for tools. It's a quick and convenient way to change settings in outdoor applications. To remote-set the functions, you can use your computer by downloading the software via USB connection. The latest software can also be up-dated by your computer via USB connection.

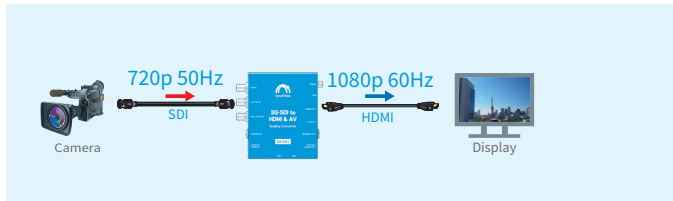
## Redundant SDI Input & Loop Output



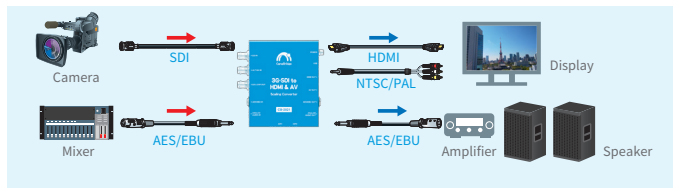
The Alt SDI In is for input redundancy so that the signal can be auto-switched to the redundant SDI input to avoid the loss of video signal in case of an accident. It's an innovative solution and especially suited for use in the studio, at live shows and at outdoor live events.

## [ Typical application ]

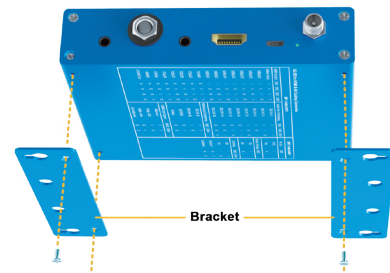
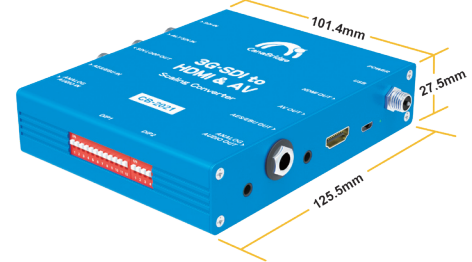
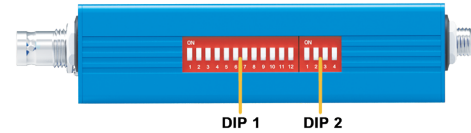
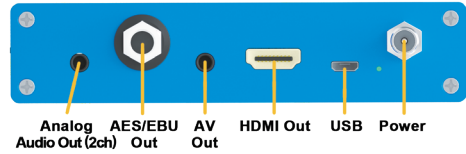
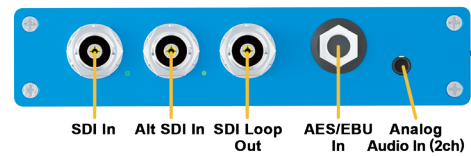
CB-2021 can convert SDI signal into HDMI and AV signal at the same time. The output formats are responding to up/down scaling and frame rate conversion as well as signal pass through. The functions of de-interlacing and seamless conversion are equipped for eliminating jitters. The available signal bandwidth is up to 1080p@60Hz.



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



## [ More detail ]



## [ Parameter ]

<b>Connections</b>	<b>SDI Video Input</b>	1 × SD/HD/3G-SDI (75Ω BNC)
	<b>SDI Redundant Input</b>	Automatically switches over if main SDI input is lost.
	<b>SDI Video Loop Output</b>	1 × SD/HD/3G-SDI
	<b>HDMI Video Output</b>	1 × HDMI type A
	<b>AES/EBU Digital Audio Input</b>	1 × 1/4" (6.35mm) TRS jack
	<b>Analog Audio Input (2ch)</b>	1 × 3.5mm jack
	<b>Updates and Configuration</b>	Micro USB
	<b>AV Output</b>	1 × 3.5mm jack
	<b>AES/EBU Digital Audio Output</b>	1 × 1/4" (6.35mm) TRS jack
	<b>Analog Audio Output (2ch)</b>	1 × 3.5mm jack
<b>Functions and Standards</b>	<b>SDI Input Format</b>	1080p 50/59.94/60
		1080p 23.98/24/25/29.97/30
		1080psF 23.98/24/25/29.97/30
		1080i 50/59.94/60
		720p 50/59.94/60
		525i 59.94, 625i 50
	<b>SDI Auto Switching</b>	Automatically detects SD, HD and 3G-SDI (not support Level B)
	<b>SDI Video Rate</b>	SD/HD/3G-SDI
	<b>SDI Color Space and Precision</b>	YCbCr 4: 2: 2
	<b>SDI Standard</b>	SMPTE ST 259
		SMPTE ST 292-1
		SMPTE ST 424

<b>Functions and Standards</b>	<b>HDMI Output Format</b>	1080p 50/59.94/60
		1080p 23.98/24/25/29.97/30
		1080i 50/59.94/60
		720p 50/59.94/60
		480i 59.94, 576i 50
	<b>AV Output Format</b>	NTSC, PAL
	<b>HDMI Color Space and Precision</b>	RGB 4: 4: 4
		YCbCr 4: 2: 2
		YCbCr 4: 4: 4
	<b>Analog Audio input</b>	5dBu (Max)
	<b>Analog Audio output</b>	0dBu (Max)
<b>Power</b>	<b>Power</b>	Threaded locking connector
	<b>Power Consumption</b>	6W (Max)
	<b>Voltage Range</b>	DC 6-24V
<b>Physical Specifications</b>	<b>Dimension</b>	125.5 × 101.4 × 27.5mm
	<b>Net Weight</b>	310g
	<b>Gross Weight</b>	995g
<b>Environmental Specifications</b>	<b>Operating Temperature</b>	0 ~40 deg C
	<b>Storage Temperature</b>	-30~70 deg C
	<b>Relative Humidity</b>	0%~90% non-condensing

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



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