



# SC2031

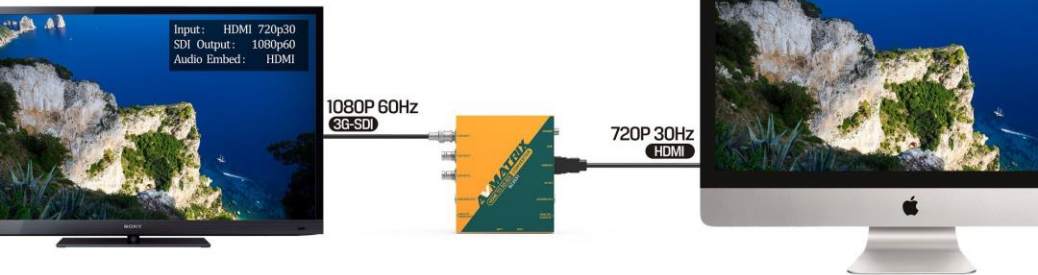
Model ID: SC2031

## HDMI TO 3G-SDI SCALING CONVERTER

- ▶ Input: HDMI×1, AV×1, AES/EBU×1, analog audio×1
- ▶ Output: 3G-SDI×3, AES/EBU×1, analog audio×1
- ▶ 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

## Up/down Scaling and Frame Rate Conversion

SC2031 features converting HDMI or AV signals to SDI signal. And the format of output can realize pass through or up/down scaling, frame rate conversion and de-interlacing function. It can support up to 1080p 60Hz.



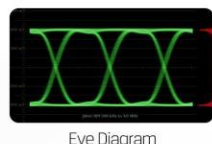
## Audio Embedding and De-embedding

It features embedding an external AES/EBU or analog audio or HDMI embedded audio to SDI output. Also it can de-embedding audio from SDI input signal to external AES/EBU and analog audio. There is no need for users to purchase custom cables when adopting standard 1/4" (6.3mm) TRS audio jack and 1/8" (3.5mm) audio jack.



## Triple Parallel SDI Outputs

Transmitting and splitting the input signal to triple parallel SDI outputs for three different connecting devices at the same time. It supports a long distance and stable transmission without loss of signal quality.



DIP 1 (1=ON, 0=OFF)					DIP 2 (1=ON, 0=OFF)		
SDI Output	SW1	SW2	SW3	SW4	SDI Audio Embedding	SW5	SW6
Follow Input	1	1	1	1	Follow Input	1	1
1080p60	1	1	1	0	AES/EBU	1	0
1080p50	1	1	0	1	Analog	0	1
1080p30	1	1	0	0	Image Flip	SW7	SW8
1080p25	1	0	1	1	Normal	1	1
1080p24	1	0	1	0	Horizontal Only	1	0
1080p60	1	0	0	1	Vertical Only	0	1
1080i50	1	0	0	0	Horizontal & Vertical	0	0
720p60	0	1	1	1			
720p50	0	1	1	0			
720p30	0	1	0	1			
720p25	0	1	0	0			
720p24	0	0	1	1			
625i50	0	0	1	0			
625i60	0	0	0	1			
625i50 Cut	0	0	0	0			



## Easy Control over DIP Switches

Adjusting the DIP switches to set the functions by finger. It's a smart method to change common settings quickly when outdoor applications. Meanwhile, it also can be remote set by using a software by connecting it with a PC via USB. Besides, the latest software can be upgraded by connecting it with a PC via the USB.

## Technical specification

<b>INPUT</b>	HDMI Video Input	HDMI type A ×1
	AV Input	1/8" (3.5mm) jack ×1
	AES/EBU Digital Audio Input	1/4" (6.35mm) TRS jack ×1
	Analog Audio Input	1/8" (3.5mm) jack ×1
<b>OUTPUT</b>	SDI Video Output	SDI/HD/3G-SDI ×3
	AES/EBU Digital Audio Output	1/4" (6.35mm) TRS jack ×1
	Analog Audio Output	1/8" (3.5mm) jack ×1
<b>FORMATS</b>	HDMI Input Format Support	1080p 60/59.94/50/30/29.97/25/24/23.98/23.973 1080i 60/59.94/50
		720p 60/59.94/50/30/29.97/25/24/23.98 576p 50, 576i 50
		480p 59.94, 480i 60/59.94
	HDMI Color Space and Precision	YUV 4:2:2, YUV 4:4:4 & RGB 4:4:4
	CVBS Input Format Support	NTSC, PAL
	SDI Output Format Support	1080p 60/50/30/25/24 1080i 60/50 720p 60/50/30/25/24 625i 50, 625i 60
	SDI Video Rate	SDI/HD/3G-SDI
	SDI Compliance	SMPTE 292M/SMPTE 259M/SMPTE 424M
	SDI Color Space and Precision	YUV 4:2:2
	SIZE	Dimension (LWD)
<b>POWER</b>	Weight	485g
	Power Connector	Threaded locking connector
	Power Consumption	5W
	Voltage Range	DC 12V
<b>ENVIRONMENT</b>	Operating Temperature	-20°C~60°C
	Storage Temperature	-30°C~70°C
	Relative Humidity	0%~90% non-condensing
<b>WARRANTY</b>	Warranty	3 year limited warranty

