



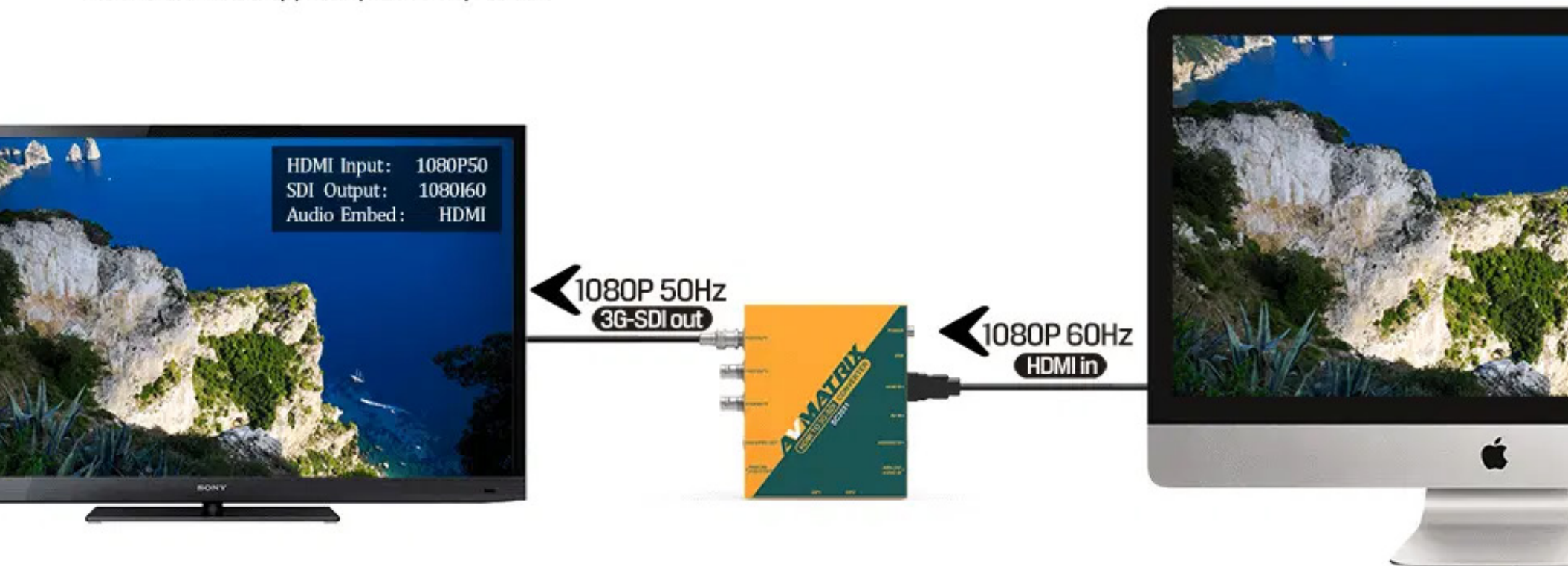
Model NO: **SC2031**

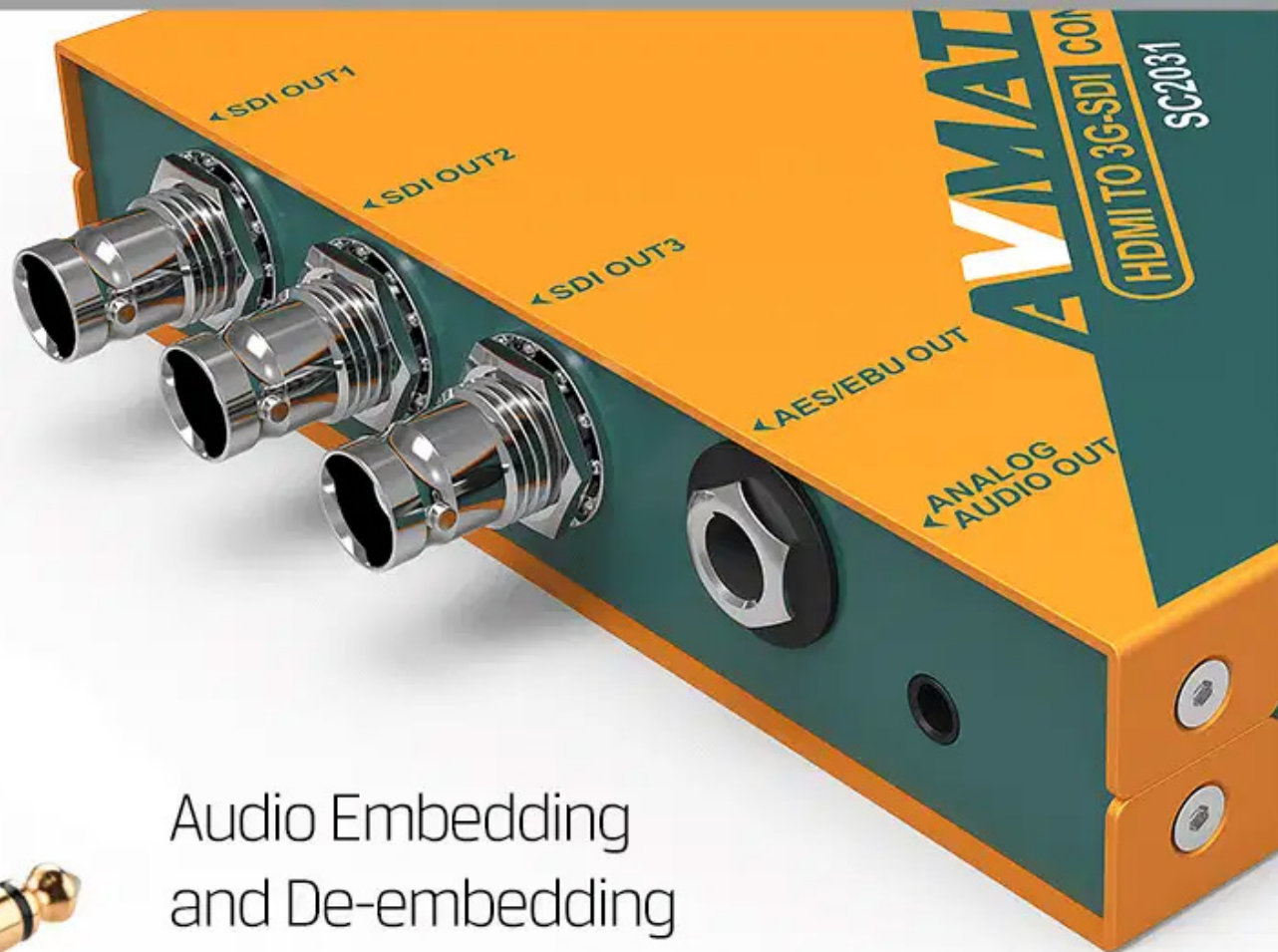
HDMI TO 3G-SDI SCALING CONVERTER

- 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

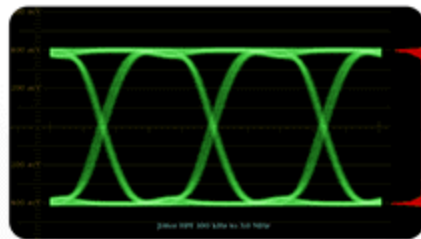
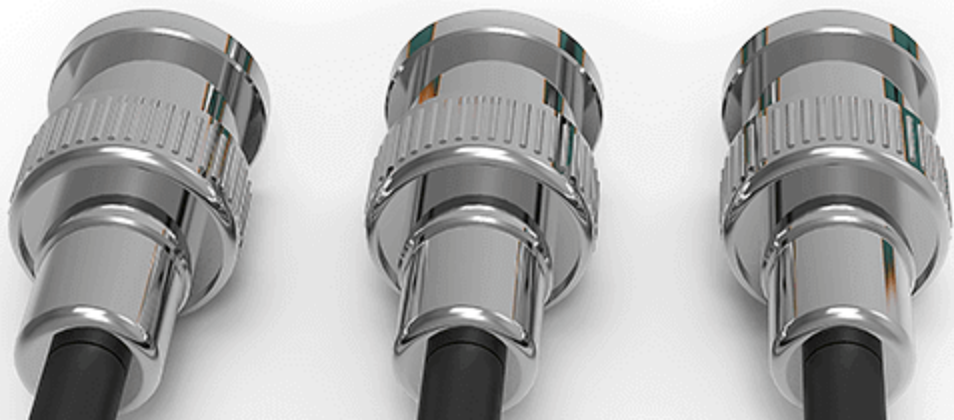
It features embedding an external AES/EBU or analog audio or HDMI embedded audio to SDI output. Also it can de-embedding audio from HDMI input signal to external AES/EBU and analog audio. There is no need for users to purchase custom cables when adopting standard 1/4" (6.3mm) TRS audio jack and 1/8"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



Eye Diagram

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
1080i60	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			
525i60	0	0	0	1			
625i50 Cut	0	0	0	0			

DIP 2 (1=ON, 0=OFF)	
Video Input	SW1
HDMI	1
AV	0
Status Display	SW2
ON	1
OFF	0
Controls	SW3 SW4
DIP	1 1
PC	1 0
Custom 1	0 1
Custom 2	0 0



Easy Control over DIP Switches

Adjusting the DIP switches to set the functions by finger, without any tool. 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 upgrades by connecting it with a PC via the USB.

Technical specification

INPUT	SDI Video Input	SD/HD/3G-SDI ×1, All 3G-SDI ×1
	AES/EBU Digital Audio Input	1/4" (6.35mm) TRS jack ×1
	Analog Audio Input	1/8" (3.5mm) jack ×1
OUTPUT	HDMI Video Output	HDMI type A ×1
	AV Output	1/8" (3.5mm) jack ×1
	SDI Video Loop Output	SD/HD/3G-SDI ×1
	AES/EBU Digital Audio Output	1/4" (6.35mm) TRS jack ×1
	Analog Audio Output	1/8" (3.5mm) jack ×1
	SDI Input Format Support	1080p 60/59.94/50/30/29.97/25/24/23.98 1080PsF 30/29.97/25/24/23.98 1080i 60/59.94/50 720p 60/59.94/50/30/29.97/25/24/23.98 625i 50, 525i 59.94
FORMATS	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 292M/SMPTE 259M/SMPTE 424M
	SDI Color Space and Precision	YUV 4:2:2
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
	HDMI Output Format Support	1080p 60/50/30/25/24 1080i 60/50 720p 60/50/30/25/24 576i 50, 480i 60
	HDMI Color Space and Precision	YUV 4:2:2, YUV 4:4:4, RGB 4:4:4
SIZE	AV Output Format Support	NTSC, PAL
	Dimension (LWD)	125.5mm × 104mm × 24.5mm
	Weight	465g
POWER	Power Connector	Threaded locking connector
	Power Consumption	6W
	Voltage Range	DC 12V
ENVIRONMENT	Operating Temperature	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
WARRANTY	Warranty	3 year limited warranty

