



## Model No.: SC1120 3G-SDI TO HDMI SCALING CONVERTER

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

### Scaling & Seamless

SC1120 features converting SDI signal to HDMI and AV signals at the same time. And the format of output can realize pass through or up/down scaling and frame rate conversion. Besides, De-interlacing function and seamless conversion can also be supported to avoid jitter. It can support up to 1080p 60Hz.



1080p 60Hz  
3G-SDI



1080i 50Hz  
HDMI



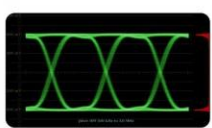
### Audio Embedding and De-embedding

It features embedding an external AES/EBU or analog audio or SDI embedded audio to HDMI 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.



### Redundant SDI Input & Re-clocked Output

The Alt SDI In for input redundancy, so the converter can auto switch to the redundant SDI input to avoid the loss of video signal in case of an accident. Therefore, it's a significant solution, and especially suitable for studio, live show or outdoor live events. Meanwhile, re-clocked SDI output ensure a long distance transmission without loss of signal quality.



Eye Diagram

DIP 1 (1=ON, 0=OFF)				DIP 2 (1=ON, 0=OFF)			
HDMI Output	SW1	SW2	SW3 SW4	Audio De-Embedding	SW5	SW6	SW7
Follow Input	1	1	1 1	SDI CH1-2	1	1	1
1080p60	1	1	1 0	SDI CH3-4	1	1	0
1080p50	1	1	0 1	SDI CH5-6	1	0	1
1080p30	1	1	0 0	SDI CH7-8	1	0	0
1080p25	1	0	1 1	SDI CH9-10	0	1	1
1080p24	1	0	1 0	SDI CH11-12	0	1	0
1080p60	1	0	0 1	SDI CH13-14	0	0	1
1080i50	1	0	0 0	SDI CH15-16	0	0	0
720p60	0	1	1 1	HDMI Audio Embedding	SW8	SW9	
720p50	0	1	1 0	SDI CH1-8	1	1	
720p30	0	1	0 1	SDI CH9-16	1	0	
720p25	0	1	0 0	AES/EBU	0	1	
720p24	0	1	0 1	Analog	0	0	
576i60	0	0	1 0	HDMI Color Space	SW10 SW11		
480i60	0	0	0 1	RGB 444	1	1	
576i50 Cut	0	0	0 0	YUV 422	1	0	
				YUV 444	0	1	
				DW RGB 444	0	0	
				AV Out.	SW12	SW13	
				NTSC	1		
				PAL	0		
				Status Display	SW2		
				DN	1		
				DIFF	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 with 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>	<b>SDI Video Input</b>	SD/HD/3G-SDI ×1, Alt 3G-SDI ×1
	<b>AES/EBU Digital Audio Input</b>	1/4" (6.35mm) TRS jack ×1
	<b>Analog Audio Input</b>	1/8" (3.5mm) jack ×1
	<b>HDMI Video Output</b>	HDMI type A ×1
<b>OUTPUT</b>	<b>AV Output</b>	1/8" (3.5mm) jack ×1
	<b>SDI Video Loop Output</b>	SD/HD/3G-SDI ×1
	<b>AES/EBU Digital Audio Output</b>	1/4" (6.35mm) TRS jack ×1
	<b>Analog Audio Output</b>	1/8" (3.5mm) jack ×1
<b>FORMATS</b>	<b>SDI Input Format Support</b>	1080p 60/59.94/50/30/29.97/25/24/23.98 1080p60/59.94/50/30/29.97/25/24/23.98 720p 60/59.94/50/30/29.97/25/24/23.98 625i 50, 525i 59.94
	<b>SDI Video Rate</b>	SD/HD/3G-SDI
	<b>SDI Compliance</b>	SMPTE 292M/SMPTE 259M/SMPTE 424M
	<b>SDI Color Space and Precision</b>	YUV 4:2:2
	<b>SDI Auto Switching</b>	Auto selects SD, HD and 3G-SDI on input
	<b>HDMI Output Format Support</b>	1080p 60/50/30/25/24 1080i 60/50 720p 60/50/30/25/24 576i 50, 480i 60
	<b>HDMI Color Space and Precision</b>	YUV 4:2:2, YUV 4:4:4, RGB 4:4:4
	<b>AV Output Format Support</b>	NTSC, PAL
	<b>Dimension (LWD)</b>	125.5mm × 104mm × 24.5mm
	<b>Weight</b>	465g
<b>POWER</b>	<b>Power Connector</b>	Threaded locking connector
	<b>Power Consumption</b>	6W
	<b>Voltage Range</b>	DC 12V
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	-20°C~60°C
	<b>Storage Temperature</b>	-30°C~70°C
	<b>Relative Humidity</b>	0%~90% non-condensing
<b>WARRANTY</b>	<b>Warranty</b>	3 year limited warranty

