AVMATRIX®

www.avmatrix.net

Model NO.: **SC2030**

SDI/HDMI UPDOWN CROSS CONVERTER

- Input: HDMI×1 or SDI×1, analog audio×1
- Output: 3G-SDI×2, HDMI×1
- Up/down scaling and frame rate conversion
- Analog audio Embedding
- HDMI/SDI Input automatic detection and configuration
- Control easily via the DIP switches
- USB is used for PC software control and power supply
- Dual threaded locking power, for redundant power supply
- Detachable bracket design for wall mounting

Up/down Scaling and Frame Rate Conversion

SC2030 has a variety of transformation combinations to realize the inter-rotation of various resolutions between SDI/HDMI. When you choose either SDI or HDMI input, both SDI and HDMI output at the same time. Multiple signal conversion function to meet a variety of hd video conversion needs. When the SDI/HDMI input signal is connected at the same time, the default priority SDI signal input.

SDI to SDI Scaling Conversion

SDI input auto detect SD, HD and 3G. SDI ouput support up/down scaling and frame rate conversion.

SDI to HDMI Scaling Conversion

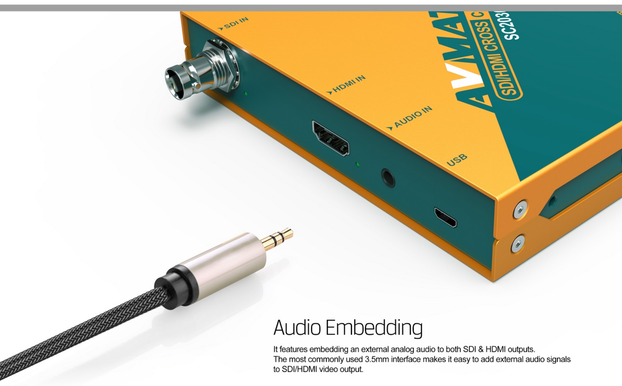
SDI input auto detect SD, HD and 3G. HDMI ouput support up/down scaling and frame rate conversion.

HDMI to HDMI Scaling Conversion

HDMI input auto detect SD, HD and 3G. HDMI ouput support up/down scaling and frame rate conversion.

HDMI to SDI Scaling Conversion

HDMI input auto detect SD, HD and 3G. SDI ouput support up/down scaling and frame rate conversion.

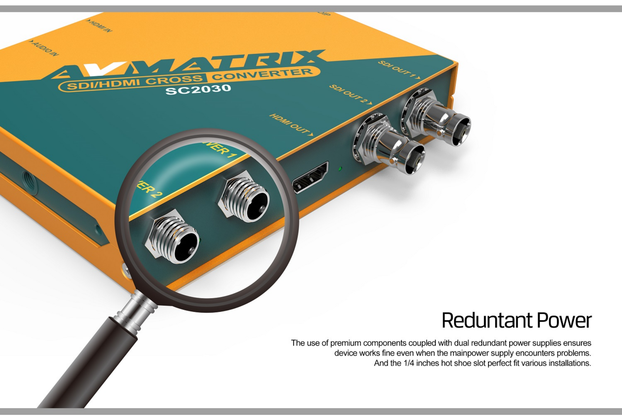


Audio Embedding

It features embedding an external analog audio to both SDI & HDMI outputs.
The most commonly used 3.5mm interface makes it easy to add external audio signals to SDI/HDMI video output.

Easy Control over DIP Switches and PC

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.

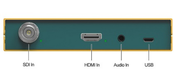


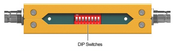
Redundant Power

The use of premium components coupled with dual redundant power supplies ensures device works fine even when the mainpower supply encounters problems. And the 1/4 inches hot shoe slot perfect fit various installations.

Technical specification

INPUTS	**HDMI Video Input**	HDMI type A ×1
	SDI Video Input	SD/HD/3G-SDI ×1
	Analog Audio Input	1/8" (3.5mm) jack ×1
OUTPUTS	**SDI Video Outputs**	SD/HD/3G-SDI ×2
	HDMI Video Output	HDMI type A ×1
FORMATS	**SDI Input Format Support**	1080p 60/59.94/50/30/29.97/25/24/23.98 1080PsF 30/29.97/25/24/23.98 720p 60/59.94/50/30/29.97/25/24/23.98 625i 50 525i 59.94
	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 292M, SMPTE 259M, SMPTE 424M
	SDI Color Space and Precision	YUV 4:2:2
	HDMI Input Format Support	1080p 60/59.94/50/30/29.97/25/24/23.98/23.976 1080i 60/59.94/50 720p 60/59.94/50/30/29.97/25/24/23.98 576p 50, 576i 50 480i 60/59.94
	HDMI Input Color Space and Precision	RGB 4:4:4, YUV 4:2:2, YUV 4:4:4
	SDI/HDMI Output Format Support	1080p 60/59.94/50/30/29.97/25/24/23.98 1080i 60/59.94/50 720p 60/59.94/50
SIZE	**Dimension (LWD)**	125.5mm × 104mm × 24.5mm
	Weight	485g
POWER	**Power Connector**	Threaded locking connector Micro USB
	Voltage Range	USB 3.3~5V DC 6~23V
	Power Consumption	4W
ENVIRONMENT	**Operating Temperature**	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
WARRANTY	**Warranty**	3 year limited warranty





SDI/HDMI CROSS CONVERTER
DIP SWITCHES (1-8, 9-16)
SDI Input Format Selection
SDI Output Format Selection
HDMI Input Format Selection
HDMI Output Format Selection
Output Mode
Output Audio
Output Scaler
Output Frame Rate
Output Color Space
Output Color Depth
Input Color Space
Input Color Depth
Input Audio
Input Scaler
Input Frame Rate
Input Mode
Input Source
Input Priority
Input Hot Plug
Output Hot Plug
Output Source
Output Priority
Output Hot Plug
Output Source
Output Priority
Output Hot Plug
Output Source
Output Priority