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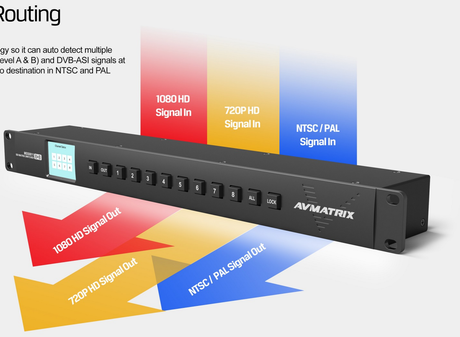
Model NO.: MSS0811
3G-SDI 8×8 MATRIX SWITCHER

- 8×3G-SDI inputs, 8×3G-SDI outputs
- SDI input signal auto detection & equalization
- Level A and level B singal supported
- Pass all ancillary data and embedded audio
- DVB-ASI interface compatible
- Free PC software control: LAN, RS-232
- Front panel buttons control & USB keyboard
- Redundant power design

Powerful Signal Routing

This matrix includes multi format technology so it can auto detect multiple video format sources of SD/HD/3G-SDI (level A & B) and DVB-ASI signals at the same time and route the multiple video destination in NTSC and PAL SD, 720, 1080 at any frame rate.



Multiple Control Methods

Front Panel

MSS0811 matrix switcher enables full control from the front panel. The current channel status can be viewed visually from the 2.2 inch LCD screen. Besides, the LOCK button perfect avoid accident.

PC Software

The matrix switcher coming with a free PC control software, you can connect a computer via Ethernet to realise the network router control on a Windows PC. Also you can use the software control via the serial port RS-232 connecting your PC.

USB Keyboard

There is another smart control method that connecting a USB keyboard from the USB port to realize a quick and easy configuration.

Redundant Power

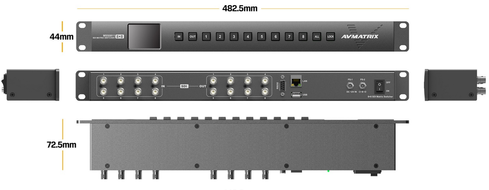
The use of premium components coupled with dual redundant power supplies ensures the highest signal quality and maximum uptime even in the unexpected event of a power supply failure.

Compact Design

The super-compact 1RU format is just a few inches deep, making them a perfect fit for any broadcast, production, or post production environment, from mobile sports trucks and edit suites, through to corporate video installations or live theatrical A/V rigs.

Technical specification

CONNECTIONS	**Input**	SD/HD/3G-SDI/DVB-ASI × 8
	Output	SD/HD/3G-SDI/DVB-ASI × 8
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 1080i 60/59.94/50 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 259M, SMPTE 292M, SMPTE 296M SMPTE 372M, SMPTE 424M, SMPTE 425M
	SDI Color Space and Precision	RGB 4:4:4 10bit/12bit, YUV 4:2:2/4:4:4 10bit/12bit, XYZ 4:4:4 12bit
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
CONTROLS	**Control**	Front panel buttons LAN (software control) RS-232 (software control) USB Type A (USB keyboard control)
POWER	**Power Connector**	Threaded locking connector
	Voltage Range	DC 6~24V
	Power Supply	PS-1, PS-2, power redundancy
ENVIRONMENT	**Power Consumption**	7W
	Operating Temperature	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
SIZE	**Size**	Standard 19" 1 rack unit
	Weight	1.1Kg
PACKING	**What's Included**	MSS0811 (8×8 3G-SDI matrix switcher) DC 12V 2A power adapter × 2
WARRANTY	**Warranty**	3 year limited warranty



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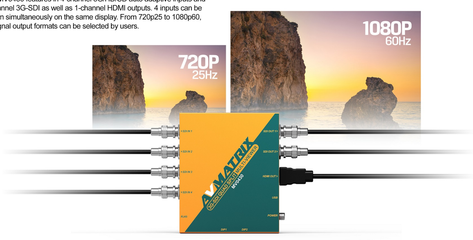
Model NO.: MV0430

3G-SDI QUAD SPLIT MULTI-VIEWER

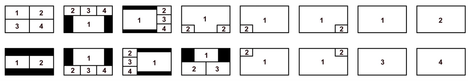
- 4×SDI/HD/3G-SDI inputs with auto detection
- 2×SDI/HD/3G-SDI and 1×HDMI outputs for multi-view
- 11 selectable SDI & HDMI output formats
- 16 preset layouts, both full-screen and multi-view mode
- 11 character UMD overlay, custom position and color
- Audio level meter overlay, custom position
- Control easily via the DIP switches
- USB port for keyboard control
- LAN port for control and firmware update
- Threaded locking power connector
- Detachable bracket design for wall mounting

11 Output Formats Selectable

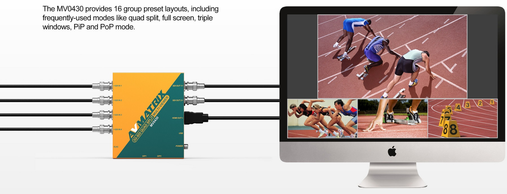
The MV0430 features in 4-channel 3G/HD/SD auto adaptive inputs and 2-channel 3G-SDI as well as 1-channel HDMI outputs. 4 inputs can be shown simultaneously on the same display. From 720p25 to 1080p60, 11 signal output formats can be selected by users.

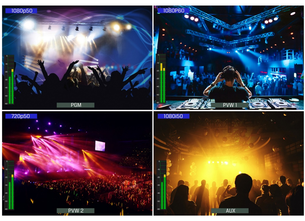


16 Group Preset Layouts



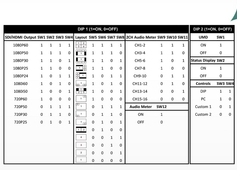
The MV0430 provides 16 group preset layouts, including frequently-used modes like quad split, full screen, triple windows, PIP and PoP mode.





User-defined UMD and Audio Meter Overlay

Another nice feature of MV0430 is the user-friendly design., for example, in each individual window, users can set 13 characters UMD overlay separately and adjust it's size and position freely. Similarly, the size and position of the 2-channel audio metering can also be user-defined.



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 LAN. Besides, the latest firmware can be upgraded via LAN port.

Two Other Control Methods

PC Software

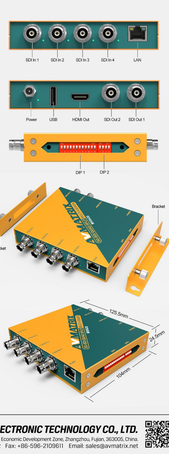
The MV0430 coming with a free PC control software, you can connect a computer via Ethernet to realise the network router control on a Windows PC.

USB Keyboard

There is another smart control method that connecting a USB keyboard from the USB port to realize a quick and easy configuration.

Technical specification

CONNECTIONS	SDI Video Input	SD/HD/3G-SDI(75Ω)×4
	SDI Video Output	SD/HD/3G-SDI(75Ω)×2
	HDMI Video Output	HDMI type A×1
STANDARD	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
		625 50 PAL
		525 59.94 NTSC
	SDI & HDMI Output Format Support	1080p 60/50/30/25/24
		1080i 60/50
		720p 60/50/30/25
	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 292M/SMPTE 259M/SMPTE 424M
	SDI & HDMI Color Space	YUV or RGB for inputs, YUV for outputs
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
CONTROLS	Dip Switches	Configuration
	LAN Port	Configuration and firmware updates
	USB Port	USB keyboard
SIZE	Dimension (LWD)	125.5 × 104 × 24.5mm
	Weight	465g
POWER	Power Connector	Threaded locking connector
	Power Consumption	6W
	Voltage Range	DC 6-24V
ENVIRONMENT	Operating Temperature	-20℃~60℃(HDMI output for 0℃~60℃)
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
WARRANTY	Warranty	3 year limited warranty



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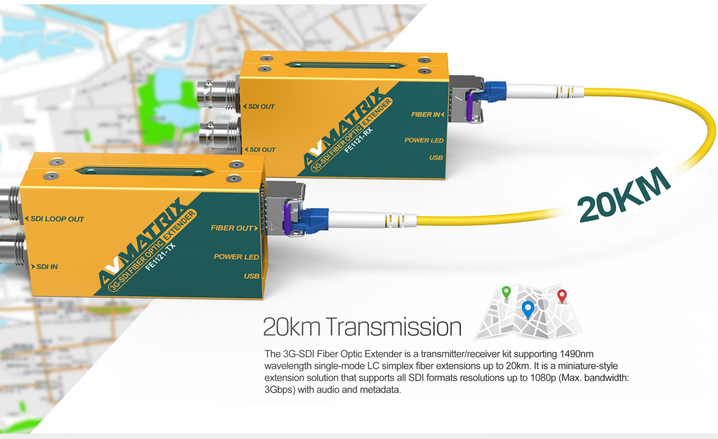
Model NO.: **FE1121**

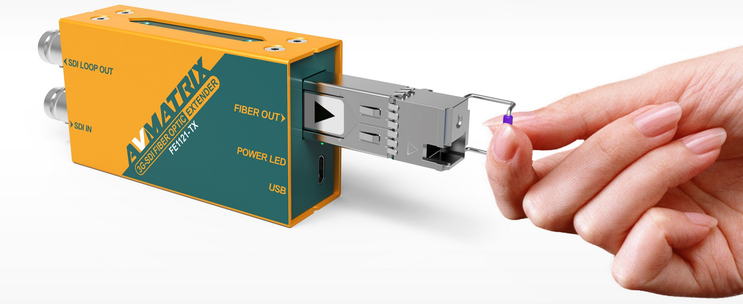
3G-SDI FIBER OPTIC EXTENDER

- 20km transmission distance
- Support 3Gbit Level A and Level B (all formats)
- SFP/ LC Fiber transmitter & receiver
- SDI equalization and re-clocking
- 3G-SDI input & loopout on transmitter
- Dual 3G-SDI outputs on receiver
- SDI input automatic switching SD, HD & 3G
- USB power supply



20km Transmission

The 3G-SDI Fiber Optic Extender is a transmitter/receiver kit supporting 1490nm wavelength single-mode LC simplex fiber extensions up to 20km. It is a miniature-style extension solution that supports all SDI formats resolutions up to 1080p (Max. bandwidth: 3Gbps) with audio and metadata.



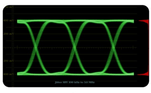
SFP module with LC connector

The fiber extender uses hot-pluggable SFP design with LC connector. You can replace the module anytime and anywhere. It is designed to transmit data rates from 50Mbps to 3Gbps, compliant with SFP MSA , SFF-8472 and SMPTE 297M-2006.

120M

SDI Equalization & Re-clocking

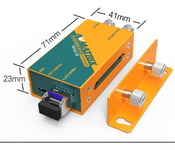
Equalized on the SDI input and reclocking on the SDI outputs to maximize performance up to 120m for 3G and 140m for HD-SDI. It ensures transmission quality and effect of eye diagram, and fully compatible with 3G level A & level B formats.



Eye Diagram

Technical specification

CONNECTIONS	**Transmitter SDI Video Input**	SD/HD/3G-SDI(75Ω)×1
	Transmitter SDI Loop Output	SD/HD/3G-SDI(75Ω)×1
	Transmitter Fiber Optical Output	SFP module(LC)×1
	Receiver Fiber Optical Input	SFP module(LC)×1
	Receiver SDI Video Output	SD/HD/3G-SDI(75Ω)×2
STANDARDS	**Optical Fiber Module**	SFP module: Hot-pluggable Connector style: LC Fiber type: single-mode Optical wavelength: 1490nm Max. bandwidth: 3Gbps Optical transmit power: -6~0dBm Receiver sensitivity: -22dBm
	Single-mode Max. Distance	20 km (12.5 miles) for 3G (1080P)
	Optical Fiber Compliance	SMPTE 297M 2006
	SDI Compliance	3Gbit Level A & level B (all formats) SMPTE 259M, SMPTE 292M, SMPTE 424M, SMPTE 296M, SMPTE 274M, SMPTE 425M, ITU-R BT.656, ITU-R BT.601
	SDI Auto Switching	Auto selects SD/HD/3G-SDI on input
	SDI Video Rate	SD/HD/3G-SDI
	SDI Color Space	YUV, RGB
	SDI Equalization and Re-clocking	Yes, SDI input and output support up to 120m for 3G-SDI
	SDI Audio	Supports 16 channels embedded
SIZE	**Dimension(LWD)**	71×41×23mm
	Weight	200+200g
POWER	**Power**	Micro USB
	Power Consumption	1.5W
	Voltage Range	3.3V~5V
ENVIRONMENT	**Operating Temperature**	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
WARRANTY	**Warranty**	3 year limited warranty



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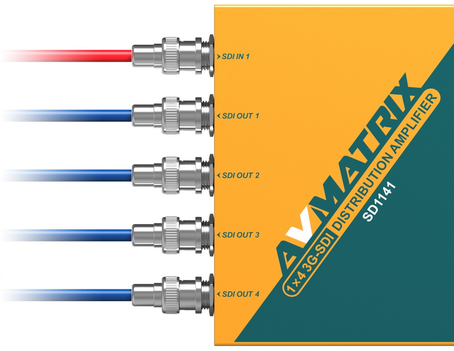
Model NO. **SD1141**

1×4 3G-SDI DISTRIBUTION AMPLIFIER

- Automatically detects SD, HD and 3G-SDI
- 4 buffered and re-clocked outputs
- 3G/HD/SD-SDI multi-rate signal processing
- Output 2 & 4 support DVB-ASI signal
- Automatic cable equalization and signal retiming
- Pass all ancillary data and embedded audio
- Micro USB and DC power
- Detachable bracket design for wall mounting

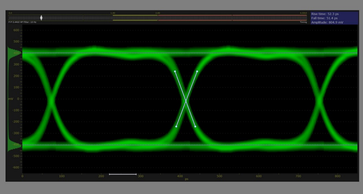
1×3G-SDI INPUT

4×3G-SDI OUTPUT



1×4 Distribution

SD1141 is a compact, one input, four output distribution amplifier for SDI and multi-rate SDI video signals up to 1080P 60hz(2.97 Gbps). Output 2 & output 4 support DVB-ASI signal.



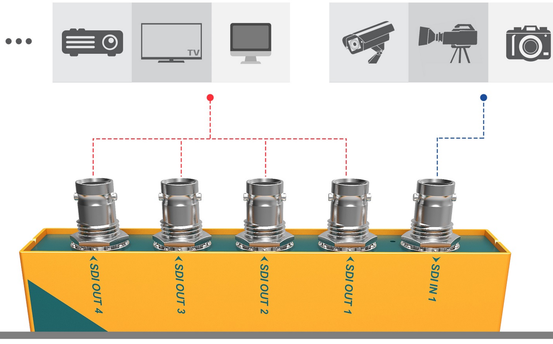
120m

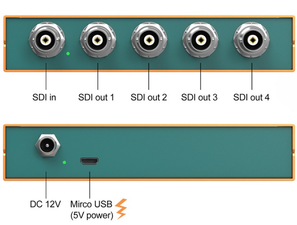
SDI Re-clocking

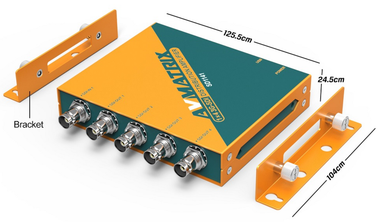
SD1141 include built-in SDI re-clocking and equalization. They will regenerate the SDI video input, reduce SDI jitter and improve SDI eye pattern before the signal gets to the converter's processing.
This allows longer cable lengths(3G: 120m, HD: 200m, SD: 400m).

Widespread Application

SD1141 is ideal for use in broadcast and video production facilities, command and control centers, medical imaging facilities, rental and staging, and other applications.







Technical specification

CONNECTIONS	**Input**	SD/HD/3G-SDI ×1
	Output	SD/HD/3G-SDI ×4 (output 2 & 4 support DVB-ASI)
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
		1080i 60/59.94/50
		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 259M, SMPTE 292M, SMPTE 296M
		SMPTE 372M, SMPTE 424M, SMPTE 425M
	ASI Compliance	DVB-ASI
	SDI Color Space and Precision	RGB 4:4:4 10bit/12bit, YUV 4:2:2/4:4:4 10bit/12bit, XYZ 4:4:4 12bit
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
POWER	**Power Connector**	Micro USB, Threaded locking connector
	Voltage Range	USB 5V, DC 5~17V
	Power Consumption	1W
ENVIRONMENT	**Operating Temperature**	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
SIZE	**Size**	125.5×104×24.5mm
	Weight	512g
PACKING	**What's inclued**	SD1141 (1×4 3G-SDI reclocking distribution amplifier)
		power adapter, brackets
WARRANTY	**Warranty**	3 year limited warranty

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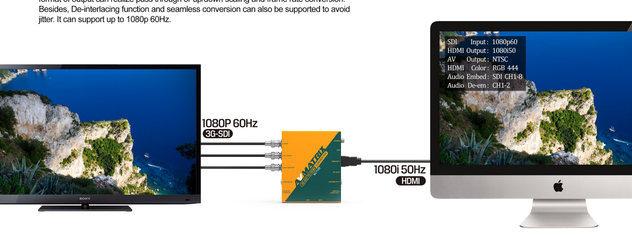
Model NO.: **SC1120**

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.

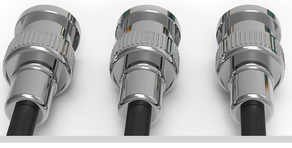


Audio Embedding and De-embedding

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.

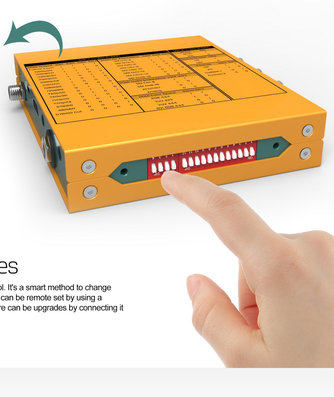


Eye Diagram

DIP 1 (↑=ON, ↓=OFF)					
HDMI Output	SW1	SW2	SW3	SW4	Audio De-Embedding
Follow Input	1	1	1	1	SDI CH1-2
1080p60	1	1	1	0	SDI CH3-4
1080p50	1	1	0	1	SDI CH5-6
1080p30	1	1	0	0	SDI CH7-8
1080p25	1	0	1	1	SDI CH9-10
1080p24	1	0	1	0	SDI CH11-12
1080i60	1	0	0	1	SDI CH13-14
1080i50	1	0	0	0	SDI CH15-16
720p60	0	1	1	1	HDMI Audio Embedding
720p50	0	1	1	0	SDI CH1-8
720p30	0	1	0	1	SDI CH9-16
720p25	0	1	0	0	AES/EBU
720p24	0	0	1	1	Analog
576i50	0	0	1	0	HDMI Color Space
480i60	0	0	0	1	RGB 444
576i50 Cut	0	0	0	0	YUV 422
					YUV 444
					DVI RGB 444

	SW5	SW6	SW7	SW8
	1	1	1	1
	1	1	1	0
	1	1	0	1
	1	1	0	0
	1	0	1	1
	1	0	1	0
	1	0	0	1
	0	0	0	0
SW5	SW6	SW7	SW8	
1	1	1	1	
1	1	1	0	
1	1	0	1	
0	1	1	1	
0	1	1	0	
0	1	0	1	
0	1	0	0	
0	0	1	1	
0	0	1	0	
0	0	0	1	
0	0	0	0	

DIP 2 (↑=ON, ↓=OFF)	
AV Out	SW1
NTSC	1
PAL	0
Status Display	SW2
ON	1
OFF	0
Controls	SW3 SW4
DIP	1 1
PC	1 0
Custom I	0 1
Custom 2	0 0

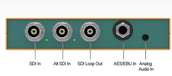


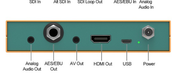
Easy Control over DIP Switches

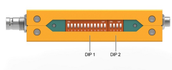
Adjusting the DIP switches to set the functions by finger, without any tool. It's a smart method to change common settings quickly when outdoor applications. Meanwhile, it also can be remote set by using a software by connecting it with a PC via USB. Besides, the latest software can be upgrades by connecting it with a PC via the USB.

Technical specification

INPUT	**SDI Video Input**	SD/HD/3G-SDI ×1, Alt 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
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
		1080i 60/59.94/50
		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
	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
	AV Output Format Support	NTSC, PAL
SIZE	**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







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AVMATRIX®

www.avmatrix.net

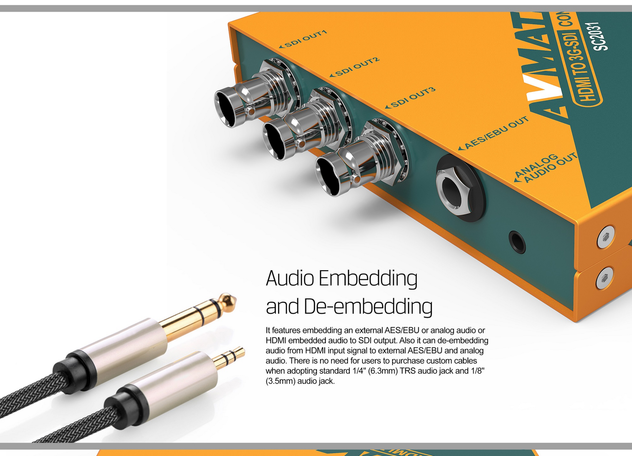
Model NO.: **SC2031**

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.

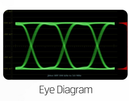


Audio Embedding and De-embedding

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

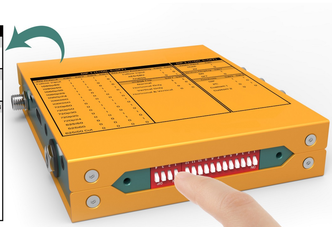
DIP 1 (1=ON, 0=OFF)

SDI Output	SW1	SW2	SW3	SW4
Follow Input	1	1	1	1
1080p60	1	1	1	0
1080p50	1	1	0	1
1080p30	1	1	0	0
1080p25	1	0	1	1
1080p24	1	0	1	0
1080i60	1	0	0	1
1080i50	1	0	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
625i/50 Out	0	0	0	0

SDI Audio Embedding	SW5	SW6
Follow Input	1	1
AES/EBU	1	0
Analog	0	1
Image Flip	SW7	SW8
Normal	1	1
Horizonal Only	1	0
Vertical Only	0	1
Horizonal & Vertical	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

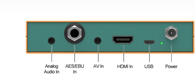


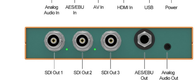
Easy Control over DIP Switches

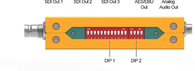
Adjusting the DIP switches to set the functions by finger, without any tool. It's a smart method to change common settings quickly when outdoor applications. Meanwhile, it also can be remote set by using a software by connecting it with a PC via USB. Besides, the latest software can be upgrades by connecting it with a PC via the USB.

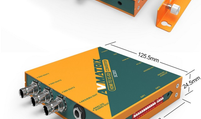
Technical specification

INPUT	**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
OUTPUT	**SDI Video Output**	SD/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
FORMATS	**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, 525i 60
	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 292M/SMPTE 259M/SMPTE 424M
	SDI Color Space and Precision	YUV 4:2:2
SIZE	**Dimension (LWD)**	125.5mm × 104mm × 24.5mm
	Weight	485g
POWER	**Power Connector**	Threaded locking connector
	Power Consumption	5W
	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









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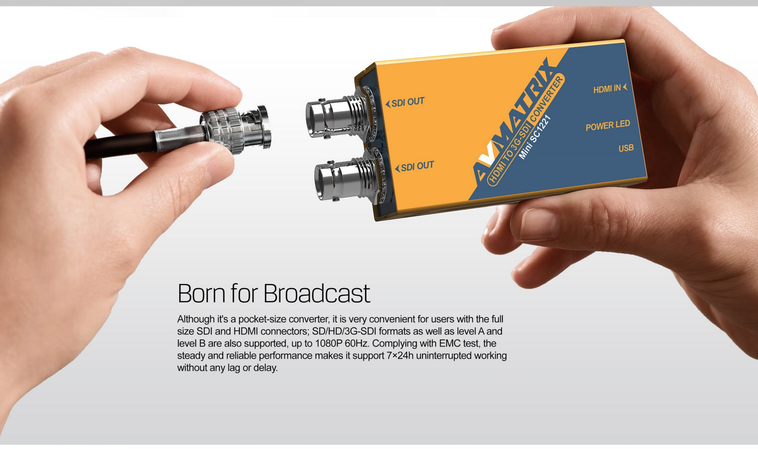
Model NO.: **Mini SC1112**
3G-SDI to HDMI

Model NO.: **Mini SC1221**
HDMI to 3G-SDI

POCKET-SIZE BROADCAST CONVERTER

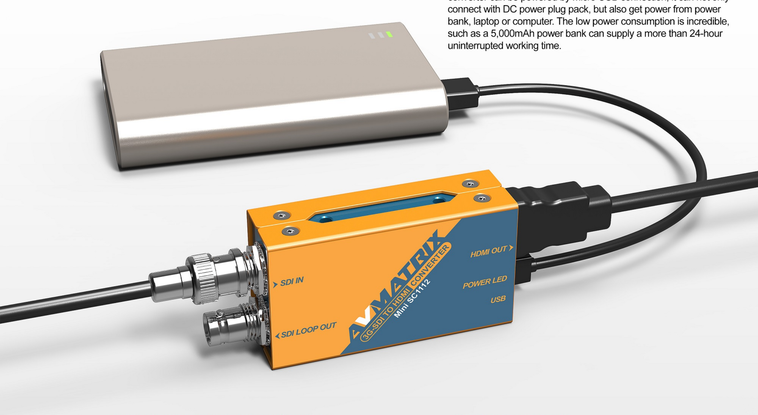


Born for Broadcast

Although it's a pocket-size converter, it is very convenient for users with the full size SDI and HDMI connectors; SD/HD/3G-SDI formats as well as level A and level B are also supported, up to 1080P 60Hz. Complying with EMC test, the steady and reliable performance makes it support 7×24h uninterrupted working without any lag or delay.

Powered Anywhere

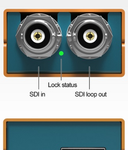
Featured with universal USB power solution design, avmatrix mini converter can be powered by Micro USB connection; it can not only connect with DC power plug pack, but also get power from power bank, laptop or computer. The low power consumption is incredible, such as a 5,000mAh power bank can supply a more than 24-hour uninterrupted working time.



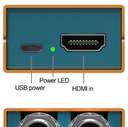
Pocket Size and Easy to Mount

Miniature design makes it portable for indoors and outdoors. It's possible to put into pocket and take to anywhere. With a convenient and detachable mounting bracket, it is also available in different application scenarios.

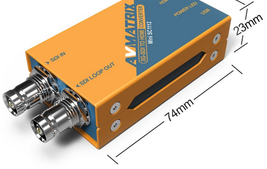
MODEL NO.	Mini SC1112	Mini SC1221
INPUT	**SDI Video Input** SD/HD/3G-SDI ×1	**HDMI Video Input** HDMI type A ×1
OUTPUT	**SDI Video Loop Output** SD/HD/3G-SDI ×1 **HDMI Video Output** HDMI type A ×1	**SDI Video Output** SD/HD/3G-SDI ×2
SDI FORMATS	**SD Format Support** 525i 59.94/60 625i 50 **HD Format Support** 720p 23.98/24/25/29.97/30/50/59.94/60 1080i 50/59.94/60 1080psf 23.98/24/25/29.97/30 1080p 23.98/24/25/29.97/30/50/59.94/60 **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-SDI, HD-SDI and 3G-SDI on input	**SD Format Support** 525i 60 625i 50 **HD Format Support** 720p 50/60 1080i 50/60 1080p 24/25/30/50/60 **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 FORMATS	**HDMI Format Support** 480i 60 576i 50 720p 25/30/50/60 1080i 50/60 1080p 24/25/30/50/60 **HDMI Color Space and Precision** YUV 4:2:2	**HDMI Format Support** 480i 60 576i 50 720p 50/59.94/60 1080i 50/59.94/60 1080p 23.976/23.98/24/25/29.97/30 1080p 50/59.94/60 **HDMI Color Space and Precision** RGB 4:4:4、YUV 4:4:4 & YUV 4:2:2
SIZE (W×D×H)	74mm × 41mm × 23mm	74mm × 41mm × 23mm
POWER	**Power** Micro USB **Power Consumption** 1.5W **Voltage Range** 3.3V~5V	**Power** Micro USB **Power Consumption** 2W **Voltage Range** 3.3V~5V
ENVIRONMENT	**Operating Temperature** -20℃~60℃ **Storage Temperature** -30℃~70℃ **Relative Humidity** 0%~90% non-condensing	**Operating Temperature** -20℃~60℃ **Storage Temperature** -30℃~70℃ **Relative Humidity** 0%~90% non-condensing
WARRANTY	**3 year limited warranty**	**3 year limited warranty**



Mini SC1112



Mini SC1221



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