

HDMI to SDI Scaling Converter

SC2031



SC2031 is an exquisite and professional converter to convert HDMI or AV signals to triple SDI signals up to 1080P60Hz. The format of the output can realize pass through or up/down scaling, frame rate conversion and de-interlacing function. It also features AES/EBU or analog audio embedding and de-embedding. All the functions can be easily set by a built-in DIP switches or PC via micro USB. SC2031 is your ideal choice for broadcasting and AV post production applications.

Connections

HDMI Video Input

1×HDMI type A

AES/EBU Digital Audio Input

1× 1/4" (6.35mm) TRS jack

AES/EBU Digital Audio Output

1× 1/4" (6.35mm) TRS jack

AV Input

1×8" (3.5mm) jack

Analog Audio Input

1×8" (3.5mm) jack

Analog Audio Output

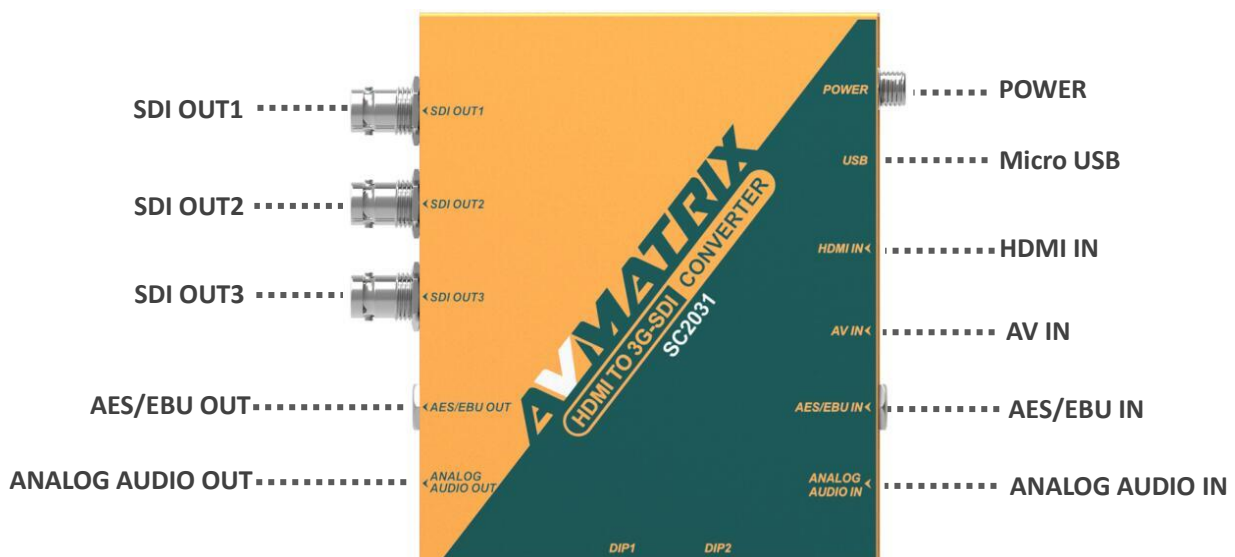
1×8" (3.5mm) jack

SDI Video Output

3×SD/HD/3G-SDI

Updates and Configuration

Micro USB



Standards

HDMI Input Format Support

1080p 60/59.94/50
1080p 30/29.97/25/24/23.98/23.973
1080i 60/59.94/50
720p 60/59.94/50
720p 30/29.97/25/24/23.98
576p 50, 576i 50
480p 59.94/60, 480i 60/59.94

HDMI Color Space and Precision

RGB 4:4:4
YUV 4:2:2
YUV 4:4:4

SDI Output Format Support

1080p 60/50
1080p 30/25/24/1080i 60/50
720p 60/50
720p 30/25/24
625i 50
525i 60

SDI Compliance

SMPTE 352M
SMPTE 259M
SMPTE 292M
SMPTE 296M
SMPTE 424M

SDI Color Space and Precision

YUV 4:2:2

SDI Video Rate

SD/HD/3G-SDI

AV Input Format Support

NTSC, PAL

Power

Power

Threaded locking connector

Power Consumption

6W

Voltage Range

DC 6-24V

Physical Specifications

Dimension

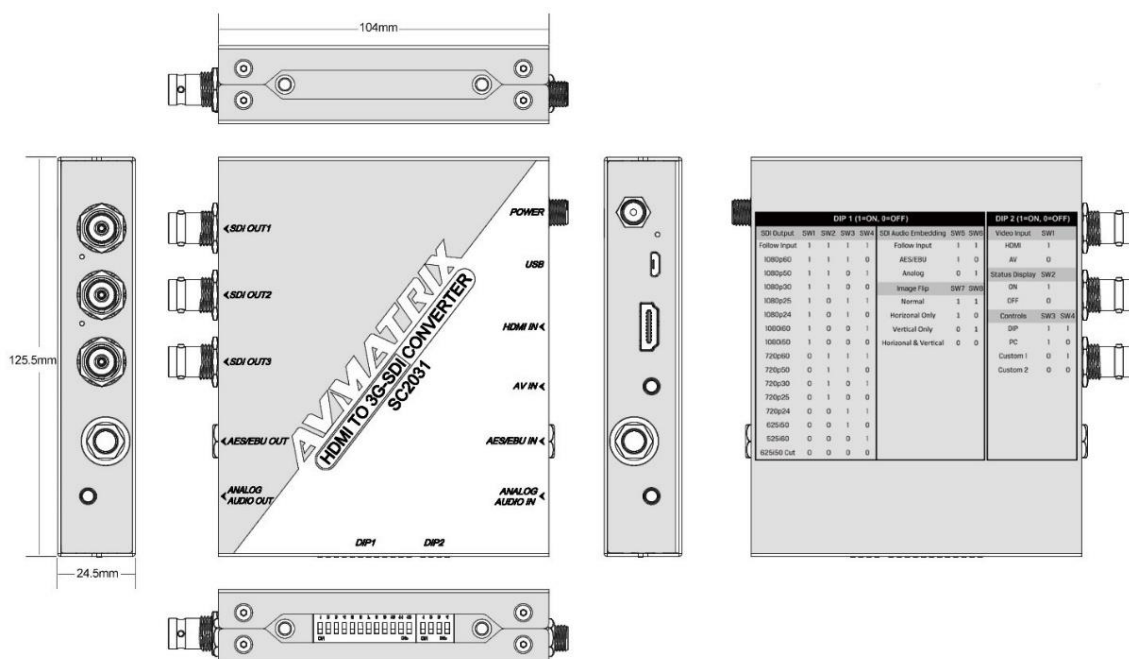
125.5x104x24.5mm

Net Weight

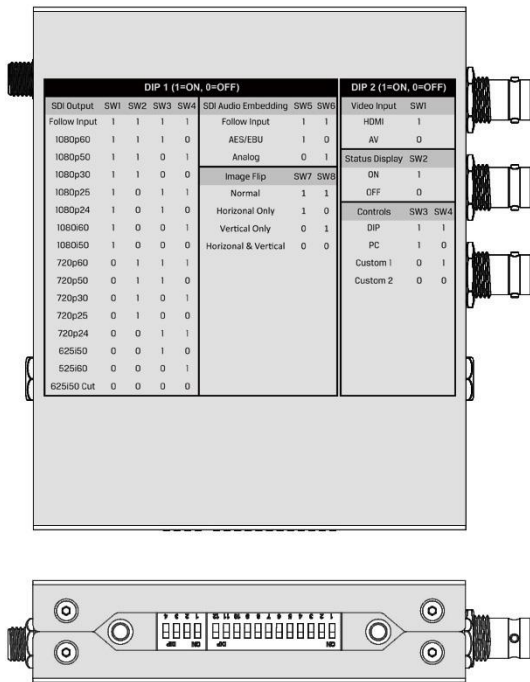
485g

Gross Weight

1270g



Dip Switches



HDMI to SDI Scaling Converter's Dip Switches provide the following settings (1=ON, 0=OFF):

1. DIP1 SW 1-4 - Up/Down Scaling and Frame Conversion

Set switches to realize pass through or up/down scaling and frame rate conversion at SDI output.

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
625i50 Cut	0	0	0	0

2. DIP1 SW 5-6 - SDI Audio Embedding

Set switches to realize embedding audio from input (HDMI/AV), AES/EBU, or Analog audio to SDI output.

3. DIP1 SW 7-8 - Image Flip

Set switches to realize the all modes of image flip, including Normal mode, Horizontal Only, Vertical Only, and Horizontal & Vertical mode.

4. DIP2 SW 1 - Video Input

Set switch to select the input from HDMI or AV. Then you can use it to convert HDMI signal to SDI, or AV signal to SDI.

5. DIP2 SW 2 - Status Display

Set switch to ON or OFF the status display overlay. Such as showing the information of input and output format, audio embedding status on the screen.

6. DIP2 SW 3-4 - Controls

Set switches to active the custom settings which are user defined and saved via PC software.

Environmental Specifications

Operating Temperature

-20°C~60°C

Storage Temperature

-30°C~70°C

Relative Humidity

0%~90% non-condensing

What's Included

SC2031 (HDMI to 3G-SDI Scaling Converter)

2pcs Mounting Brackets

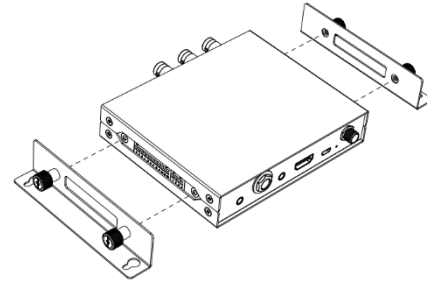
DC 12V Universal Power Supply with International Socket Adapters

USB Cable

AV Cable (RCA)

Technical Specifications

Mounting Diagram



Warranty

3 Year Limited Manufacturer's Warranty

◇ Note: due to constant effort to improve products and product features, specifications may change without notice.