

HDMI To 3G-SDI Converter



■ Product model and standard

HDMI to 3G/HD SDI converters, which can convert full HD HDMI signal to 3G/HD SDI signal, support embedded maximum 8-channel audio. This converter has one HDMI input port, two 3G/HD SDI outputs. It is suited for HDMI cameras or other HDMI video sources to connect SDI video recorders or monitors.

■ Main features:

Ø HDMI to SDI

- | HDMI 1.3a input, 3G SDI output
- | Full 10bit color converting
- | Support maximum 8-channel HDMI embedded audio
- | SRC function is optional, it supports multiple HDMI audio inputs
- | SDI PLL clock filter, ultra low jitter 3G SDI output
- | HDMI HDCP1.2 local decode
- | Power and video indicators
- | Industrial metal case, easy to install

■ Parameters:

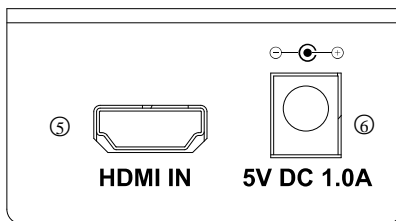
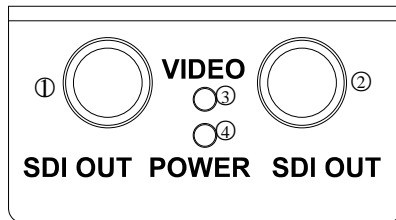
Ø HDMI TO SDI

Model	HDMI to SD/HD/3G-SDI Converter
I/O Interface	1X HDMI input port (female type A with holes); 2X HD-SDI outputs (female type-BNC)
Input Format	HDMI v1.3a, 30/36 bits per pixel, RGB or YUV, Resolution :480i ,525i, 576i, 625i, 720p 50/60,1080i 5/60,1080p24/25/30/50/60
Output Format	3G-SDI, HD-SDI, and SD-SDI (auto-selected), SMPTE-259/274/292/296/372/424/425, Resolution:525i, 625i, 720p 50/59.94/60,1080i 50/59.94/60,1080p23.98/24/25/29.9/30/50/59.94/60
Input audio formats	HDMI embedded audio, 24 bit/48KHz or any less than 96kbps audio sample rate that HDMI audio input (with SRC function). Maximum 8 channels
Output audio formats	SDI embedded audio, 24 bit/48KHz, 8 channels max
Indicators	Power-Green, Video link-Yellow
Temperature range	0~40°C (operation), -20~60°C(stock)
Power Supply	DC5V,1A
Power consumption	<1.85W

Dimension	(L x W x H): 82 x 55 x 30mm
Net weight	0.15kg per unit

■ Product introduction

Ø HDMI TO SDI converter



- ① SDI output port 1
- ② SDI output port 2
- ③ Video link indicator
- ④ Power indicator
- ⑤ HDMI input port
- ⑥ 5V DC input

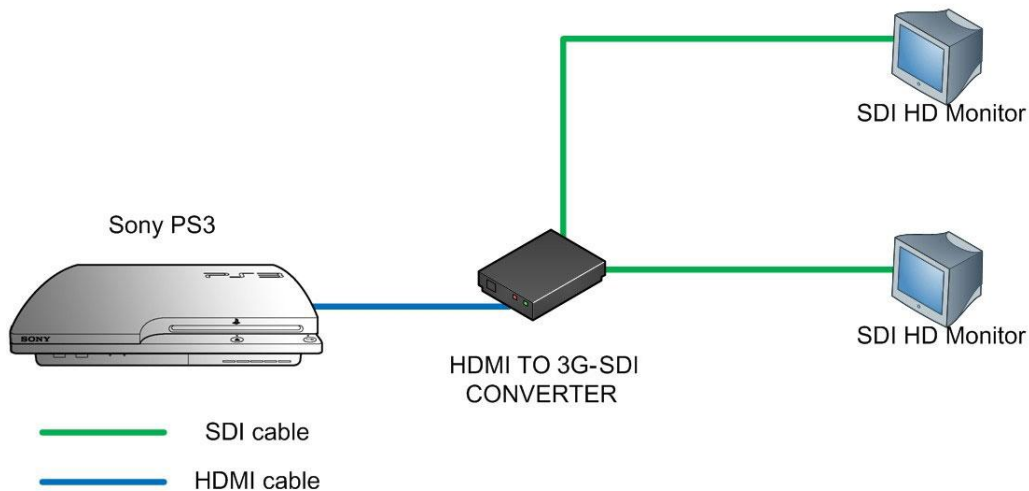
■ Packing list

- I 1 unit HDMI to 3G-SDI converter
- I 1 unit DC 5V 1A adapter
- I 103*137*45mm carton packing

3. Installation

I Typical installation instruction

Ø HDMI to 3G-SDI converter application diagram



I Install products on walls or frames

There are type-L metal brackets. It is easy to fix transmitters or receivers on walls.

4. Operation instruction

■ Getting started

- Ensure the video source and the display terminal are power on, and all input, output cables are connected, then power on.
- It takes about 2~3 seconds to finish EDID and other initialization automatically. Then 'Video' indicator will light, it means input video signal is OK.
- At this time, display terminal will show the same format video that video source

send out.

■ EDID function

Our HDMI to 3G-SDI converters have EDID function. When HDMI video source request EDID, converters will send internal EDID automatically. Ensure maximum compatibility.

■ Audio SRC function (HDMI to SDI converter only)

HDMI video sources support different audio sampling rate, but SDI monitors accepts 48KHz audio sampling rate. It caused audio problems in some situations. SRC means sampling rate selection, it can fix audio sampling rate problem, and it is automatically, choosing right part number if you request SRC function.

5. Trouble shooting

■ Normal problems

a) No output on display

Check power first, then check 'Video' indicator. If 'Video' indicator is not light, check cable and video source please. If there are no problems, check SDI cable connection. Confirm SDI cable length is less than maximum number.