SDI to SDI+VGA Converter
User Manual

Important Safeguards
1. Please use the provided power supply.
2. Keep the device in a dry and well ventilated place.
3. Keep the product away from the electrostatic, strong magnetic or radiation operational environment
4. Do not plug and unplug the device in a power-on state.

1. Introduction
This SDI to SDI+VGA converter is designed to convert 3G/HD/SD-SDI signals in broadcast industry to VGA based equipment such as projectors, plasma TV, and LCD screens, etc. Providing high quality live and recorded videos through both HD and SD signals for your demanding production needs.

2. Box content

SDI to SDI+VGA converter   User manual   DC 5V/1A Power adapter

3. System requirements
1) SDI devices with SDI output （SDI Camera etc）
2) Monitor or TV with VGA input
3) High-quality coaxial cable to transmit SDI signal
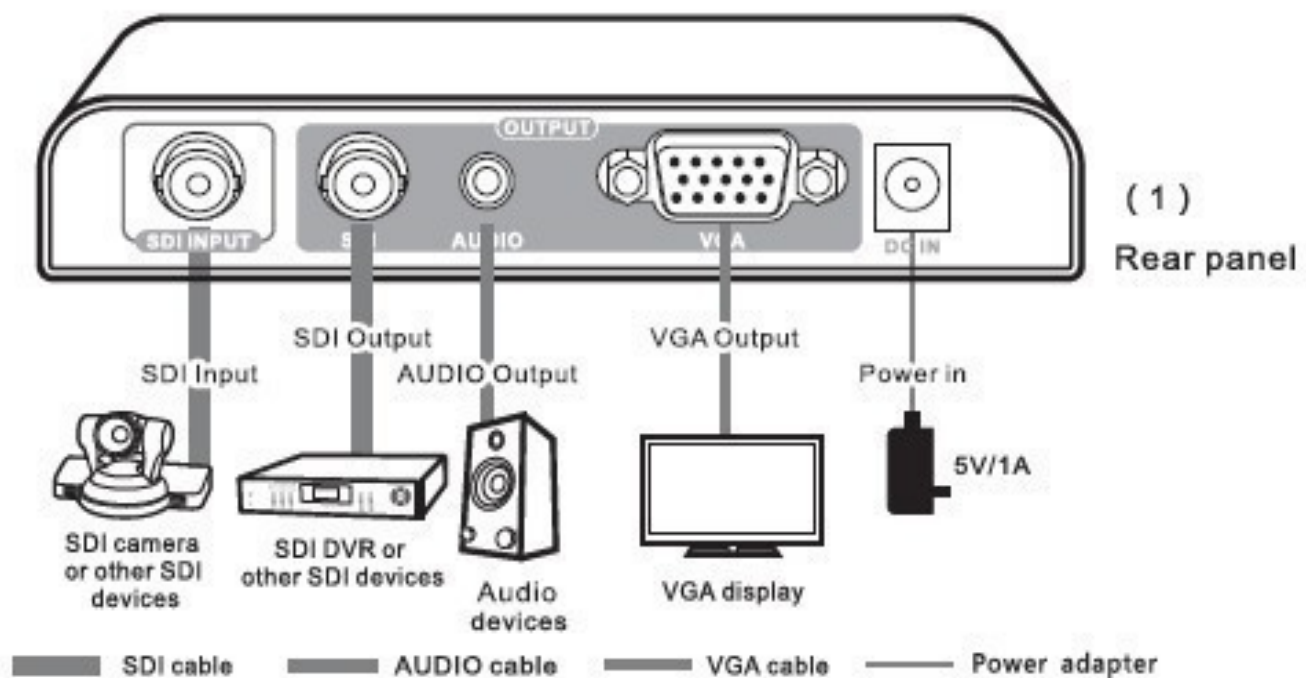4) Sound equipment or earphone for audio output

4. Installation steps
Please connect the devices as following:
1. Connect SDI source to the SDI input on the converter by coaxial cable.
2. Connect the VGA display or TV to the VGA output on the converter by VGA cable, and choose the display's input channel as VGA.
3. SDI output can also be connected to other SDI devices simultaneously.

4. Connect the sound equipment or earphone to the audio output on the converter.
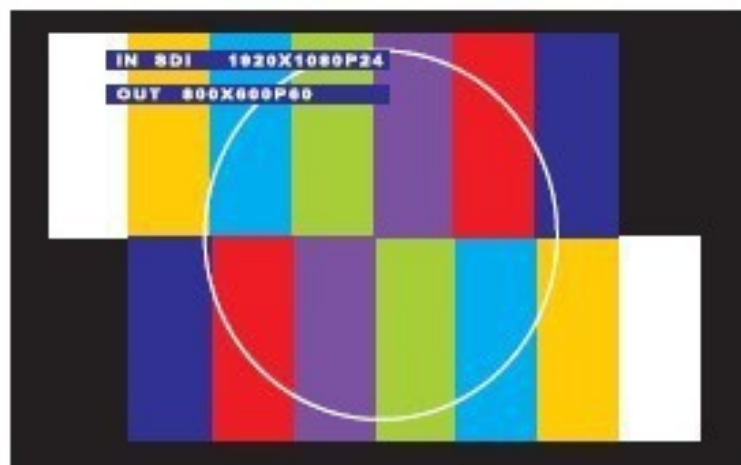
After devices are connected, power on the converter.

(1)
Rear panel

5. More about the product

1) This item supports wide range voltage, DC5V-30V is applicable.
2) This item can automatically detect SDI signal, when it detects the correct SDI signal, the LED will be blue; otherwise, it will be red.
3) Users can adjust VGA output mode by press the button "Resolution", and it's with memory function in case of power down.
4) If no SDI signal in, OSD hint on VGA output display will be shown as following.

5) Once the converter is working, the detected input and output resolution will be shown on the left-top corner of the display.

6. Trouble shooting

Q1: No image output?

A1: 1) Check if the devices are connected as required, if the power LED lights, and if the display's input channel is chosen correctly as VGA.

2) Check if there's OSD hint shown on the display, if so, it means the converter can work, and then please check if the input signal is ok.

3) Check if the VGA output mode is supported by the display.

Q2: Overscan or underscan?

A2: 1. Please use TV or display's "Auto adjust function" to automatically adjust the image.

2. Please press "Resolution" button on the converter to select the output resolution matching with the display.

7. Specifications

Ports	SDI	BNC X2
	VGA	D-SUB 15P X1
	Audio Output	3.5mm Audio X1
	Power In	DC_2.1mm X1
	Button	TACT SWITCH X1
SDI	SDI input format	SD-SDI, HD-SDI ,3G-SDI SMPTE-259/274/296/ 372/424/425/292 Standard
	Impedance	75Ω
	Transmission Rate	SD-SDI:270M/S,HD-SDI:1.485G/S, 3G-SDI: 2.97G/S

SDI	SDI input signal	SD-SDI:480i@60Hz,576i@50Hz HD-SDI:720p@50/60Hz,1080i@50/60Hz, 1080p@24/25/30Hz 3G-SDI:1080p@50/60Hz
	SDI output signal	SD-SDI:480i@60Hz,576i@50Hz HD-SDI:720p@50/60Hz,1080i@50/60Hz, 1080p@24/25/30Hz 3G-SDI:1080P@50/60Hz
VGA	VGA signal standard	RS-343A/RS-170 Standard
	VGA output resolutions	800X600@60Hz,1024x768@60Hz, 1280x720@60Hz,1360x768@60Hz, 1920x1080@60Hz
	VGA output electric current range	2mA - 26mA
	Swiching rate	Up to 330MSPS
Audio	Dynamic range	97-103dB
	HTD	(-95~~-98dB)
	Frequency response	(-0.01 - 0.08dB)
Others	Power supply	DC 5V- 30V
	Consumption	<800mA
	Operating Temperature	0℃~60℃
	Net weight	200g
	Working humidity	0%-80%
	Dimension	130*77*24 mm

Disclaimer

The product name and brand name may be registered trademark of related manufacturers.TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference,and there may be some slight difference with the real products.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.