
HD/SD/3G -SDI Converter

User manual

1. Description

The HDMI to SDI converter supports the conversion of high-definition HDMI signals to broadcast-grade SDI signal output, and can convert standard high-definition or standard-definition HDMI digital signals with audio to broadcast-quality high-definition or standard-definition signal SDI for output. It is widely used in the broadcast room and non-editing production fields of all levels of TV stations using SDI signals, and is also widely used in various optical transmission fields using HDMI interfaces. Such as TV stations, places that have restrictions on noise, transmission distance and safety, data center control, information distribution, conference room demonstrations, and teaching environments and company training places.

2. Features

- Supports the HDMI input format: 480i/576i, 1280*720@60Hz,1920*1080@60Hz;
- Automatically HDMI signal is embedded into the SDI audio signal solution;

3. Package list

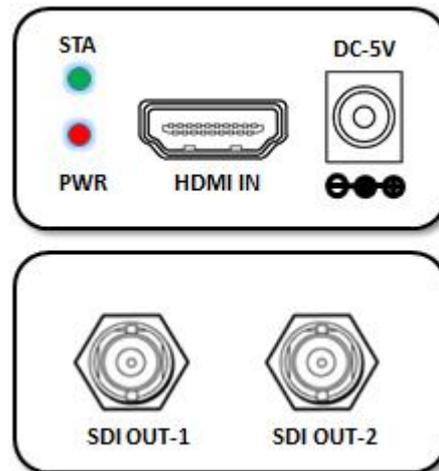
- HDMI to SDI Converter 1 pcs
- Power adapter 1 pcs
- User manual 1 pcs

4. Specifications

	Parameter	Description
Video	input interface	HDMI
	Support agreement	HDMI 1.3; HDCP 1.2
	Maximum pixel clock	165MHz
	Resolution	480i/576i/1280*720/60Hz,1920*1080/60Hz
	Output interface	BNC
	output signal types	HD-SDI(1.485Gbps), 3G-SDI(2.97Gbps)
	SDI Signal amplitude	0.8Vp-p
	SDI impedance	75Ω
	SDI Coupling type	AC coupling
	SDI Signal jitter (Typical values)	HD-SDI≤0.2UI 3G-SDI≤0.4 UI
Other	Maximum input cable length	3G-SDI 120m note : The transmission distance for different specifications of the cable, test results will be different
	Power	Adapter: DC 5V
	Power dissipation	MAX 3.5W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Size	81*43*23mm
	Warranty	1 year free warranty

5. Panel

Converter host

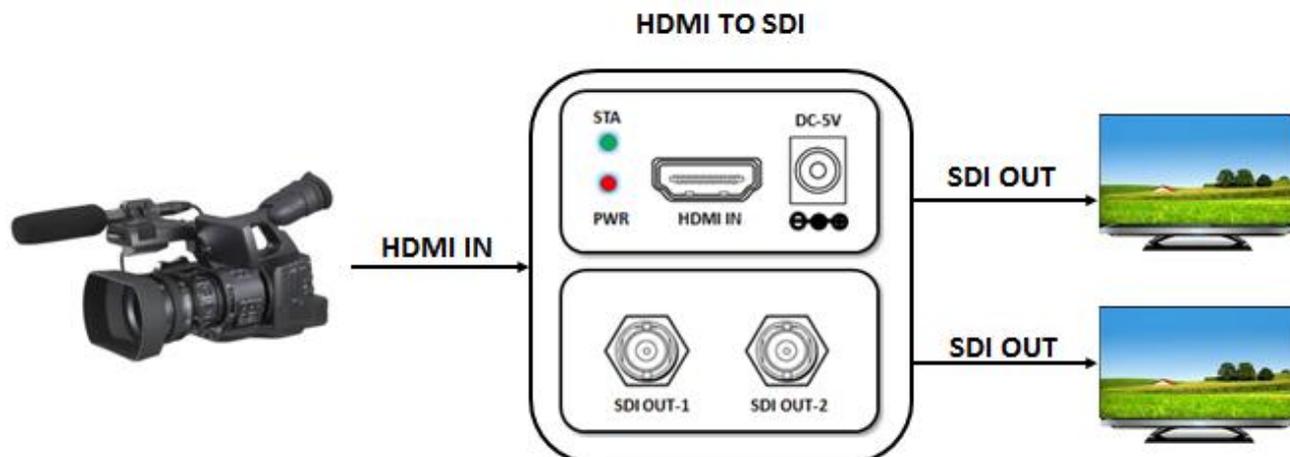


Port name	Description
HDMI IN	HDMI signal input
SDI OUT-1/2	SDI signal output
DC 5V	Power adapter input
LED indicator	Description
STA	Video signal connection indicator
PWR	System power indicator

6. Installation

- 1、 HDMI IN the mouth of the HDMI signal source connected to the converter ,
- 2、 Connect the SDI OUT interface to the display device ,
- 3、 Will power converter connected, when the lamp lights up normally, normal operation of system.

7. Diagram



8. Warranty

Please keep the user manual in a place where safety and easy to find so that you can read it immediately when meet problems.

safety instruction:

- Please do not disassemble this product by yourself because it doesn't including DIY function.
- Please don't make the product touch water in case damaged, because it is Not waterproof design.
- Please use dry cloth material when clean the product surface.
- Please do not use this product in the environment of too wet or too high temperature.
- Please avoid contact with corrosive substances.
- When there is damage or other physical damage to the product, please stop using and contact with customer service to get support.