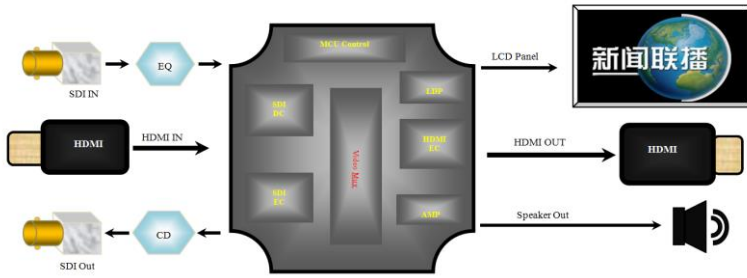


MD1103 SDI/HDMI BIDI Converter+LCD+Speaker



Functional Diagram



Product Features

DeviceWell HD video bidirectional converter based on FHD broadcast 3G SDI signal design. The SDI input supports up to 3G SDI LevelA/B signals and is backward compatible with HD SDI and SD SDI. The HDMI input supports up to 1080P60, and is compatible with 1080I, 720p, 576I and 480I resolutions. MD1103 built-in SDI signal equalizer, SDI decoder, SDI driver, HDMI decoder and HDMI encoder, LCD display driver and audio amplifier, can simultaneously achieve SDI to HDMI, HDMI to SDI, SDI video display on the LCD, SDI audio solution Features such as embedded and audio amplifiers. The device uses pure hardware architecture with fast startup, low power consumption and no delay output. It can be widely used in professional broadcast television equipment, medical equipment, high-definition conference systems, high-definition teaching equipment, signal transmission, security monitoring and multimedia advertising applications.

The device is equipped with a Type C interface. Users can obtain status or upgrade software through the Type C interface. The Type C interface is also used for power supply of the device. It can be applied to USB mobile device power supply systems such as Power Bank. In addition, the equipment is equipped with 1/4 hot shoe screw, which is convenient for professional users to fix equipment.

Product Parameters

Name	HD Video Converter	
Model	MD1103	
SDI Signal Input/Output	Signal	SDI HD serial digital video signal
	Connector	BNC complies with IEC169-8
	Bit rate	270Mbps~2.97Gbps
	Signal amplitude	800mV±10%(75Ω)
	Impedance	75Ω
HDMI Signal Input/Output	Output signal	Standard HDMI signal
	Impedance	100Ω
	Signal amplitude	800mV±10%
	Connector	HDMI
Common Parameters	Power supply	DC 5V
	Power	<3W
	Size	107.5*48*25.5mm
	Weight	0.3 KG
	Working temperature	0°C~50°C no condensation
	Storage temperature	-20°C~75°C
	Storage humidity	0%~90%RH, no condensation

Product Features

- ◆ Support SDI to HDMI and HDMI to SDI
- ◆ SDI signal is displayed on the LCD
- ◆ SDI embedded audio output to the built-in speaker
- ◆ SDI input supports 3G/HD/SD SDI
- ◆ SDI supports LevelA & LevelB when inputting 3G
- ◆ HDMI input supports 1080P/1080I/720P/576I/480I
- ◆ Built-in professional grade equalizer and line driver
- ◆ SDI / HDMI input adaptive
- ◆ SDI/HDMI output is consistent with the input
- ◆ 1/4 hot shoe fixed screw

Interface Description



No.	Function	No.	Function
1	HDMI IN	2	Speaker and LCD switch
3	HDMI OUT	4	SDI IN
5	SDI OUT	6	Type C power supply and LED indicator

Parameter Setting



DIPx		Resolution
1	2	
Up	Up	Speaker and LCD are turned on at the same time
Down	Down	Speaker and LCD are turned off at the same time
Up	Down	Speaker only
Down	Up	LCD display only

Size

