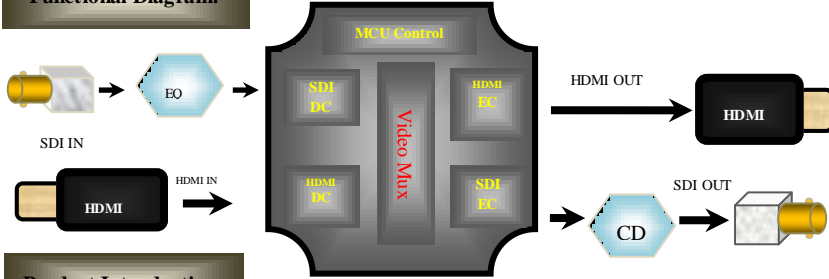


MD1003 SDI/HDMI BIDI Converter



Functional Diagram:



Product Introduction

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. MD1003 built-in SDI signal equalizer, SDI decoder, SDI driver, HDMI decoder and HDMI encoder, can achieve SDI to HDMI and HDMI to SDI dual functions. 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.

For signals that comply with the SMPTE standard, the device automatically detects the output and the input signal remains at one point without additional settings. The device is equipped with a Type C interface. Users can obtain status or upgrade software through the USB 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.

HD Video Converter

Version: 1.1

Product Parameters

Name	HD Video Converter	
Model	MD1003	
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%
Common Parameters	Connector	HDMI
	Power supply	DC 5V
	Power	<3W
	Size	107.5*48*25.5mm
	Weight	0.3 KG
	Working temperature	0℃~50℃ no condensation
	Storage temperature	-20℃~75℃
	Work humidity	20%~70% RH
	Storage humidity	0%~90% RH, no condensation

Product Features

- ◆ Support SDI to HDMI and HDMI to SDI
- ◆ 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
- ◇ Special features can be customized

Interface Description

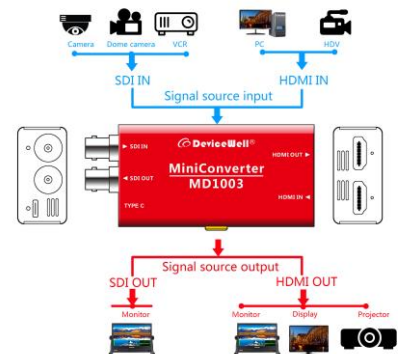


No.	Function	No.	Function
1	HDMI IN	2	HDMI OUT
3	SDI IN	4	SDI OUT
5	Type C power supply		

Order Model

Model	Function	LCD	Chassis type	Power type	Others
MD1003	BIDI SDI/HDMI interchange	No	Mini 2019	Type C 5V	
MD1012	SDI to HDMI	No	Mini 2019	Type C 5V	
MD1021	HDMI to SDI	No	Mini 2019	Type C 5V	
MD1103	BIDI SDI/HDMI interchange	2.6"	Mini 2019	Type C 5V	
MD1112	SDI to HDMI	2.6"	Mini 2019	Type C 5V	
MD1121	HDMI to SDI	2.6"	Mini 2019	Type C 5V	
MD2092	12G SDI to HDMI+SDI	No	Mini 2019	Type C 5V	SDI and HDMI down conversion output: 4K->FHD, 12G->3G
MD2192	12G SDI to HDMI+SDI	2.6"	Mini 2019	Type C 5V	

Application



Size

