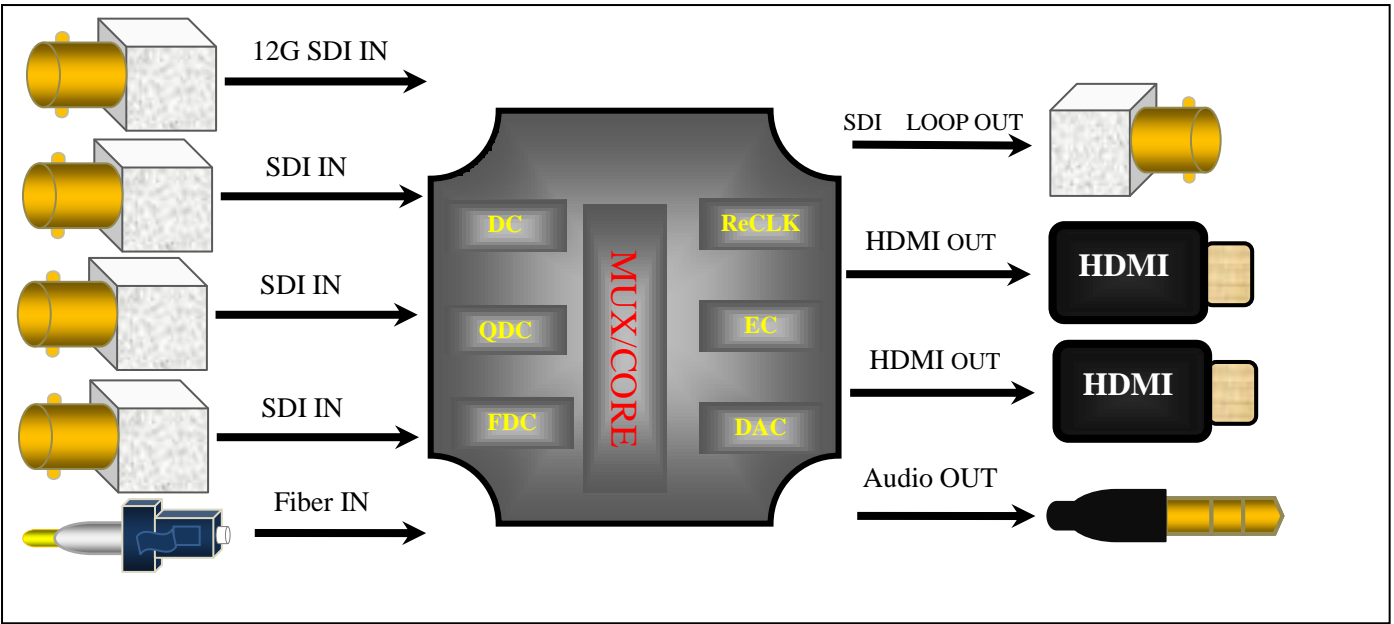


**PD2312(SDITO HDMI)**

ver:01



**Functional Diagram**



**Product Introduction**

A professional SDI to HDMI converter, Design based on devicewell technology. The device integrates FRCS (frame rate conversion system), SDI receiver and HDMI encoder, it can convert 12g / 6G / 3G / HD SDI signal into HDMI high-definition video signal. At the same time, pd2312 can also de embed the audio in SDI signal, output to HDMI and analog stereo port. Pd2312 integrated link conversion function, support single link and 4 link when UHD, 3G / HD SDI signal is compatible with single link.

**Product Features**

- ◆ Support single link 12g/6g SDI signal input
- ◆ Support single link optical signal input
- ◆ Single link down compatible 3g/hd
- ◆ Support UHD four link mode
- ◆ Four link mode supports Quad mode and 2Si mode
- ◆ Support 1080psf / 720p, 30 / 25 / 24Hz and other special formats
- ◆ Support up / down conversion function
- ◆ Support SDI embedded audio de embedding
- ◆ Support SDI audio de embedding to analog stereo audio output
- ◆ USB upgrade supported
- ◇ Special functions can be customized

**Interface Description**

1/2/3. SDI 4 link input	4.12G SDI input
5. 12G SDI output	6. Optical signal input (reserved)
7. HDMI input (reserved)	8. HDMI output
9. Stereo audio output	10. Micro USB
11. Function setting (see the table below)	12. DC 5V-12V

## Product Parameters

Product name	Frequency conversion SDI converter	
Product model	PD2312	
SDI video input / output	signal	SDI high definition serial digital video signal
	Connector	BNC meets iec169-8
	Bit rate	270Mbps~12Gbps
	Signal amplitude	800mV ± 10%(75Ω)
Analog audio output	impedance	75Ω
	output signal	Analog stereo audio
	Connector	3.5mmheadset
HDMI video output	impedance	16Ω
	output signal	HDMI video signal
	Connector	HDMI
	Signal amplitude	800mV ± 10%(100Ω)
General parameters	impedance	100Ω
	Power Supply	DC 5-12V
	power	<6W
	size	126 x 109 x 25mm
	control panel	Dial switch
	weight	0.5Kg
	working temperature	0°C~50°C non-condensing
	Storage temperature	-20°C~75°C
Working humidity	20%~70%RH	
Storage humidity	0%~90%RH, No condensation	

## Set the parameters



Dialing code	1	2	3	4
OFF	reserve	reserve	QUAD	Four links
ON	reserve	reserve	2SI	Single link

Dial down is ON;

## Model order

Product model	function	Chassis type	Type of power supply	other
PD2312	SDI to HDMI	2020version	AC-DC 12V Power Supply	Quad pattern