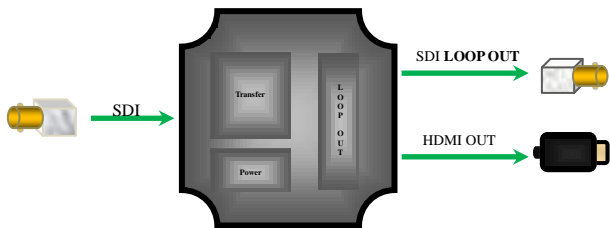


**PD2012 (12G SDI TO HDMI)**

Version:1.1



**Functional Diagram**



**Product Introduction**

DeviceWell 4K-level signal converter PD2012 is a 4K-level signal conversion device designed based on broadcast-grade single-link 12G SDI signals. The device input supports up to a single link 12G SDI signal, supports SDI to HDMI converter, the highest resolution supports 3840X2160P60, and is backward compatible; provides DC12V DC power supply.

**Product Features**

- ◆ Support 1 SDI to 1 HDMI output and 1 SDI loop out
- ◆ Self-adaptive input and output resolution, through output, support up to 12G / 4K60;
- ◆ DC12V power supply system

**Interface Description**

NO.	Function	NO.	Function
1	12G SDI IN	2	12G SDI OUT
3	USB upgrade	4	DC 12V Power Input
5	DIP (Reserved)	6	HDMI OUT

**SDI to HDMI Function Description**

PD2012 board supports SDI to HDMI pass-through output, and supports one SDI loop-out function; SDI input supports 12G / 6G / 3G / HD signals; input resolution is adaptive.

SDI input signals are supported as follows:
12G_3840(4096)x2160(60/59.94/50)
6G_3840(4096)x2160(30/25/24/23.98)
3G LeveA_1080p(60/59.94/50)
HD_1080p(30/29.97/25/24/23.98), 1080psf(30/29.97/25,
720p(60/59.94/50/30/29.97/25

**Product Parameters**

product name	12G SDI converter	
Model No.	PD2012	
SDI Signal Input	Input signal	1.5G/3G/6G/12G Signal
	Bitrate	270MHZ~12GHZ
	Connector	BNC complies with IEC169-8
	Impedance	75Ω
HDMI Signal Output	output signal	HDMI Video signal
	Connector	HDMI
	Signal amplitude	800mV±10%(100Ω)
SDI Signal Output	output signal	1.5G/3G/6G/12G signal
	Code rate	270Mbps~12Gbps
	Signal amplitude	800mV±10%
	Connector	BNC complies with IEC169-8
General Parameters	power supply	DC 12V
	Host size	92*45*25mm
	Control panel	none
	weight	0.18Kg
	Operating temperature	0°C~50°C non-condensing
	Storage temperature	-20°C~75°C
	Operating humidity	20%~70%RH
	Storage Humidity	0%~90%RH, non-condensing

**Application**

Application 一



Application 二

