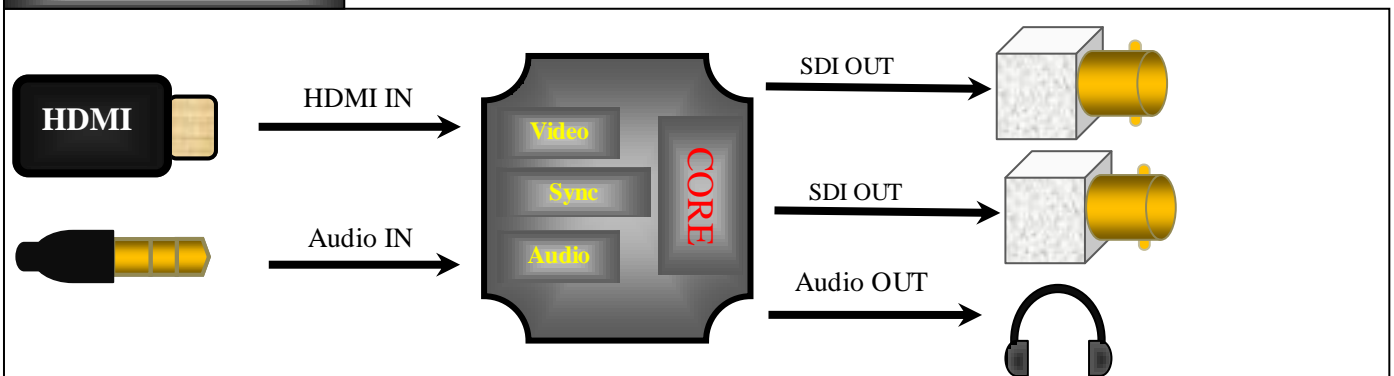


PD6321(HDMI TO SDI)

Ver:3.0



Functional Diagram



Product Overview

DeviceWell HD Video Converter, It support HDMI signal convert to 3G/HD/SD SDI signal. The device Integrated HDMI receiver and 3G/HD/SD-SDI encoder, easily converted HDMI signal to 3G/HD/SD-SDI signal. Meanwhile, PD6321 supports the HDMI audio de-embedding and embed to SDI signal, but also external input analog audio signal can be embedded in the SDI signal. Additionally, PD6321 also supports "Frame Rate Convert" function, it can convert different resolution HDMI signal to a fixed resolution SDI signal output. The output resolution setting use digital coding switch, easy to operate.

Product features

- .Standard HDMI signal input
- .Optional 3G/HD/SD SDI output signal
- .Optional 1080P/1080I/720P/480I/576I/1080PSF output
- .HDMI input signal auto detected
- . HDMI audio de-embedded and embedded into the SDI signal
- .External analog audio signal embedded in the SDI signal
- .The SDI can be set to "any frequency" output
- . Special function can be customized

Interface specification



- | | |
|-----------------------------|-----------------|
| 1 . Setup (see table below) | 2. USB Upgrade |
| 3. HDMI input | 4. Audio output |
| 5. Audio input | 6. DC 5V-12V |
| 7.Type C Power supply | 8. SDI output 2 |
| 9. SDI output 1 | |

Product parameters

Product name	HD Video Converter	
Product model	PD6321	
HDMI Input	Input signal	Standard HDMI signal
	Connector	HDMI
	Amplitude of the signal	800mV±10%(100Ω)
	Impedance	100Ω
Analog audio input	Input signal	Analog stereo audio
	Digital sampling	48K
	Impedance	600Ω
	Connector	Earphone
SDI Output	output signal	SDI (serial digital video signal)
	bit rate	270Mbps~2.97Gbps
	Impedance	75Ω
	Amplitude of the signal	800mV ±10%
	Connector	BNC comply IEC169-8 standards
Common parameters	Operating voltage	DC 5-12V
	Power	<2W
	Host size	136X 80X 25 mm
	Control panel	Digital code switch
	Weight	0.3KG
	Working temperature	0°C ~50°C ,no condensation
	Storage temperature	-20°C ~75°C
	Work humidity	20%~70%RH
	Storage humidity	0%~90%RH,no condensation

Parameter setting



Code	Output Resolution Set
0	1080I @50HZ
1	1080P @60HZ
2	1080P @50HZ
3	1080I @60HZ
4	1080P @30HZ
5	1080P @25HZ
6	1080P @24HZ
7	720P @60HZ
8	720P @50HZ
9	720P @30HZ
A	720P @25HZ
B	576I @50HZ
C	480I @60HZ
D	Reserve
E	Reserve
F	Reserve

Model order

Product model	Function	Chassis Type	Type of Power	Others
PD6321	HDMI To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6331	YPbPr To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6341	CVBS To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6351	DVI To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6361	VGA To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6311	SDI To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion

PD6321 Application schematic diagram

