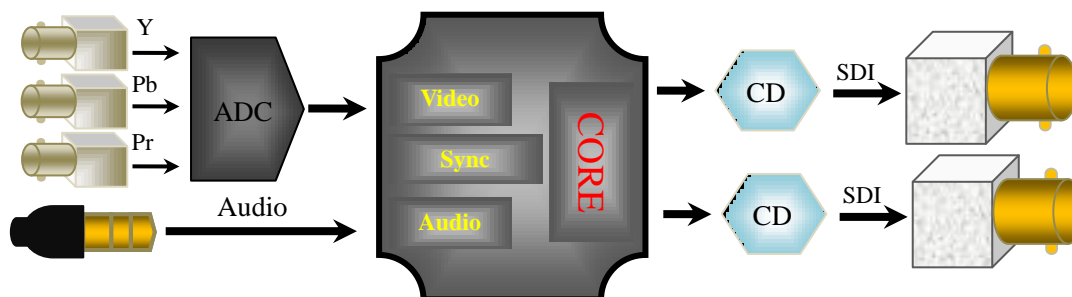


**PD6331(YPbPr TO SDI)**

Ver:2.0


**Functional Diagram**

**Product Overview**

DeviceWell HD Video Converter, It support YPbPr signal convert to 3G/HD/SD SDI signal. The device Integrated YPbPr receiver and 3G/HD/SD-SDI encoder, easily converted YPbPr signal to 3G/HD/SD-SDI signal. Meanwhile, YPbPr support external input analog audio signal embedded in the SDI signal. Additionally, PD6331 also supports "Frame Rate Convert" function, it can convert different resolution YPbPr signal to a fixed resolution SDI signal output. The output resolution setting use digital coding switch, easy to operate.

**Product features**

- .Standard YPbPr signal input
- .Optional 3G/HD/SD SDI output signal
- .Optional 1080P/1080I/720P/480I/576I/1080PSF output
- . YPbPr input signal auto detected
- .External analog audio signal embedded in the SDI signal
- .The SDI can be set to "any frequency" output
- .Down Scale support Left /Right Cut
- .Down Scale support Top /Bottom Black
- . Special function can be customized

**Interface specification**


- 1 . Setup (see table below)
2. YPbPr input
3. Audio input
4. DC 5V-12V
- 5.USB power supply
6. SDI output (see table below)
- 7.LED Indicator(P: power L: SD M: HD H:3G)

## Product parameters

Product name	HD Video Converter	
Product model	PD6331	
YPbPr Input	Input signal	Standard YPbPr signal
	Connector	BNC
	Amplitude of the signal	800mV ±10%(75Ω)
	Impedance	75Ω
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	141 X 102 X 30 mm
	Control panel	Digital code switch
	Weight	0.3KG
	Working temperature	0℃~50℃ ,no condensation
	Storage temperature	-20℃~75℃
	Work humidity	20%~70%RH
	Storage humidity	0%~90%RH,no condensation

## Parameter setting



Code Set	Output Resolution
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	576I @50HZ L/R Cut
E	576I @50HZ T/B Black
F	TBD

## Model order

Product model	Function	Chassis Type	Type of Power	Others
PD6331	YPbPr To SDI	Mini	Standard AC-DC 12V power supply	Support Frame Rate Conversion
PD6321	HDMI 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

## PD6331 Application schematic diagram

