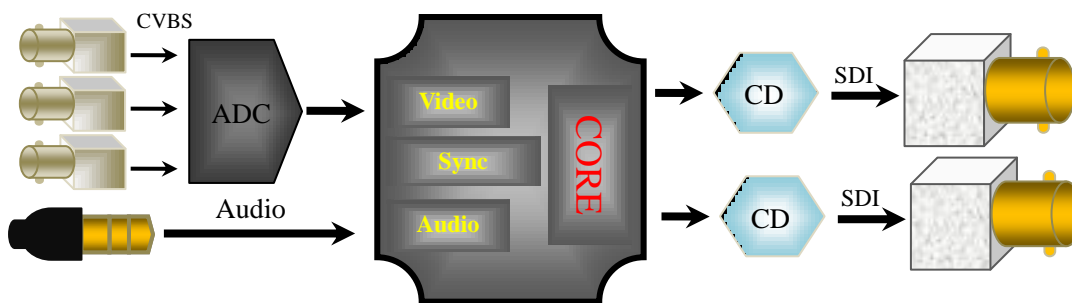


**PD6341(CVBS TO SDI)**

Ver:2.0



**Functional Diagram**



**Product Overview**

DeviceWell HD Video Converter, It support CVBS signal convert to 3G/HD/SD SDI signal. The device Integrated CVBS receiver and 3G/HD/SD-SDI encoder, easily converted CVBS signal to 3G/HD/SD-SDI signal. Meanwhile, PD6341 supports external input analog audio signal can be embedded in the SDI signal. Additionally, PD6341 also supports "Frame Rate Convert" function, it can convert different resolution CVBS signal to a fixed resolution SDI signal output. The output resolution setting use digital coding switch, easy to operate.

**Product features**

- .Standard CVBS signal input
- .Optional 3G/HD/SD SDI output signal
- .Optional 1080P/1080I/720P/480I/576I/1080PSF output
- .CVBS input signal auto detected
- .Support video edge cutting or black side
- .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. CVBS input
- 3. Ext Audio input
- 4. DC 5V-12V
- 5.USB interface
- 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	PD6341	
CVBS Input	Input signal	Standard CVBS signal
	Connector	BNC( IEC169-8 Standard)
	Amplitude of the signal	800mV ±10%(75Ω)
	Impedance	750Ω
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	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
PD6341	CVBS 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
PD6321	HDMI 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

## PD6341 Application schematic diagram

