

SCB-SDI2HD

HD Signal Converter



DESCRIPTION

The SCB-SDI2HD is designed to convert single-channel HD digital component serial interfaces (HD-SDI, 3G-SDI and SD-SDI) signals into HDMI signals. It integrates with SDI receiver and HDMI modulator, which can easily convert SDI signal into HDMI signal. At the same time, the audio signal of SDI is separated and converted into HDMI signal to realize synchronous transmission of sound and image. The working principle is to convert a single digital component serial interface (SDI) signal into a TMDS signal, in order to connect the high definition camera to the display terminal with HDMI interface.

KEY FEATURES

- Serial port control or external code switch to select the resolution.
- High-definition digital component serial excuses (HD-SDI, 3G-SDI and SD-SDI) signal input.
- HD HDMI video signal output.
- Input resolution up to 1920 x 1080P@60Hz.
- Output resolution up to 1920 x 1080P@60Hz.

Technical specifications		SCB-SDI2HD
Input	Port	Female port BNC connector
	Gain	0db
	Lock rate	Automatic
	Standard operation	SMPTE 292M,SMPTE 259M,SMPTE 242M,ITU-RBT.601 ITU-RBT.1120
	Input return consumption	<-14 dB @ 1MHz ~ 1.5GHz
	Output return consumption	<-12 dB @ 1MHz ~ 1.5GHz
	Maximum rate	2.97Gbps
	Data mode	8 OR10bit
	Input and output level	0.80Vp-p+/- 10%
	Input and output impedance	75 Ω
	Equilibrium type	Automatic
Maximum input distance	100M	
HDMI output	Supported protocol	HDMI1.3a, HDCP1.3,EDID1.4
	Pixel bandwidth	225MHz , fully digital
	Interface bandwidth	3.25Gbps, fully digital
	Signal intensity	T.M.D.S. +/- 0.4Vpp
	Minimum/maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	Differential 100Ω
Serial port control	Input resolution	800X600@60Hz(1024X768@60Hz) 1280X720@60Hz(1280X800@60Hz) 1280X1024@60Hz(1366X768@60Hz) 1440X900@60Hz(1600X900@60Hz) 1920X1080p@60Hz
	Port	Phoenix port
	Electrical level	RS232
Specification	Baud rate	9600bps
	Operating temperature	-20°C ~ +70°C
	Environment humidity	20% ~ 80% Relative humidity, no condensation
	Input power	DC12V 1.5A
	Maximum power Consumption	6W
	Dimension (LxWxH)	163x156x32 mm

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Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

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