



HD Signal Converter

Embedded software: HD matrix input card embedded software V4.40

TS-9507SH



Description:

It is used to convert single-channel HD digital component serial port (HD-SDI, 3G-SDI and SD-SDI) signals into HDMI signals. It integrates an SDI receiver and an HDMI modulator, which can easily convert SDI signals into HDMI signals. At the same time, the SDI audio signals can be separated, converted and embedded into HDMI signals to realize synchronous audiovisual transmission. The working principle is to convert a single-channel digital component serial port (SDI) signal into a TMDS signal, so as to connect the HD camera to the display terminal with HDMI port.

Feature:

- * Support serial port control or external DIP switch for resolution selection.
- * Support HD digital component serial port (HD-SDI, 3G-SDI and SD-SDI) signal input.
- * Support HDMI video signal output.
- * The input resolution is up to 1920×1080P@60Hz.
- * The output resolution is up to 1920×1080P@60Hz.

Specifications:

Model	TS-9507SH
Input	
Port	Female port BNC connector
Gain	0db
Lock rate	Automatic
Operation standard	SMPTE 292M, SMPTE 259M, SMPTE 242M, ITU-RBT.601 ITU-RBT.1120
Input return consumption	<-14dB @ 1MHz ~ 1.5GHz
Output return consumption	<-12dB @ 1MHz ~ 1.5GHz
Maximum rate	2.97Gbps
Data mode	8 or 10bit
I/O level	0.80Vp-p+/- 10%
I/O impedance	75Ω
Equilibrium type	Automatic
Maximum input distance	100m
HDMI output	
Communication protocol	HDMI1.3a, HDCP1.3, EDID1.4
Pixel bandwidth	225MHz, full digital
Interface bandwidth	3.25Gbps, full digital
Signal strength	T.M.D.S. +/- 0.4Vpp
Minimum/maximum level	T.M.D.S. 2.9V/3.3V
Impedance	Differential 100Ω
Output and monitoring resolution	800X600@60Hz, 1024X768@60Hz, 1280X720@60Hz, 1280X800@60Hz, 1280X1024@60Hz, 1366X768@60Hz, 1440X900@60Hz, 1600X900@60Hz, 1920X1080p@60Hz
Serial port control	
Port	Phoenix connector
Level	RS232
Baud rate	9600bps
Specification	
Working temperature	-20℃~+70℃
Ambient humidity	20%~80% relative humidity, no condensation
Input power	DC12V 1.5A
Maximum power consumption	6W
Dimension	163x156x32mm (L×W×H)