

Doteck

Doteck C5 Series

YPbPr to HD-SDI Digital Video Converter



Features

- (1) SDI signal compliant with the standards of SMPTE292M, SMPTE259M, SMPTE310M, SMPTE305M
- (2) SDI signal auto adaption to the speed of 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485Mbps
- (3) Perfect LED indicators design, very convenient to monitor device work well or not
- (4) PCB boards made with environment friendly Pb-free
- (5) PCB boards made with multilayer design, to ensure stable and reliable signal conversion
- (6) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (7) Enclosure box material is made of aluminum, elegant appearance, and light weight
- (8) Switching power supply design, wide voltage range, reliable long-term running

(9) Mini box design, small and exquisite, convenient to setup and operate

Introduction

Dotek C5 series YPbPr to HD-SDI converter can convert YPbPr component HD video to HD-SDI digital video, or SDI digital video.

Dotek C5 series YPbPr to HD-SDI converter has high supreme signal precision, stability, reliability, which is a ideal HD video converter for TV station, CMMB, IPTV, mobile TV, mobile phone TV, telecommunication operators, government video conference system and other new media field.

Technical Specifications

YPbPr component video input	
Signal standard	480i, 480p, 576i, 576p, 720p, 1080i
Channel	1
Bandwidth	350MHz
Input level	1.2Vp-p
Synchronization level	5Vp-p
Frequency response	$\pm 0.15\text{dB}@6\text{MHz}$
Differential gain	$<0.15\%$
Connector	3 RCA
HD-SDI output	
Channel	2
Signal level	$800\text{mVp-p}\pm 10\%$
HD-SDI Rise/Fall time	$<270\text{ps}@1485\text{Mbps}$
SDI Rise/Fall time	$<0.6\text{ns}@270\text{Mbps}$
HD-SDI Jitter	$<0.2\text{UI}(134\text{ps})@100\text{KHz}$ $<1.0\text{UI}(673\text{ps})@10\text{Hz}$
SDI Jitter	$<0.2\text{UI}(740\text{ps})@10\text{Hz}$ $<0.2\text{UI}(740\text{ps})@1\text{KHz}$
Impedance	75Ω
Connector	BNC
Physical	
Dimension(H×W×D, mm)	$39\times 202.8\times 105(\text{mm})$
Power supply	130 - 260VAC, 50/60Hz

Operation temperature	0-50°C
Relative humidity	0-95%, non-condensing
LED status indicator	Power, video activity

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Doteck Digital Technologies

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