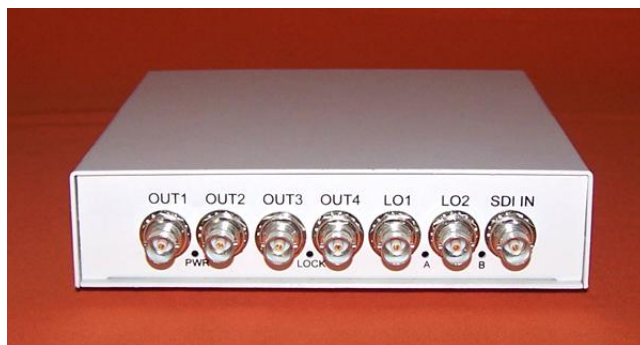


Doteck

Doteck C3 Series

SDI to Analog Video Converter



Features

- (1) Compliant with the standards of SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
- (2) Auto adaption to the speed of SDI 143M, 177M, 270M, 360M, 540Mbps
- (3) When signal input, with automatic cable equalization function
- (4) When signal input, with re-clocking function
- (5) Output broadcast quality analog video
- (6) Output video technical specification over 250C

(7) Perfect LED indicators design, very convenient to monitor device work well or not

(8) PCB boards made with environment friendly Pb-free

(9) PCB boards made with multilayer design, to ensure stable and reliable signal conversion

(10) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance

(11) Enclosure box material is made of aluminum, elegant appearance, and light weight

(12) Switching power supply design, wide voltage range, reliable long-term running

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

Introduction

Dotek C3 series SDI to analog video converter can convert SDI digital video to analog video, which has broadcast quality and is over 250C short haul technical specification.

Dotek C3 series SDI to analog video converter has high supreme signal precision, stability, reliability, which is a ideal digital 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

SDI input	
Signal standard	SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
Channel	1
Signal level	>380mVp-p
Auto-cable equalization	>350m@270Mbps, (Belden 1694A cable)
Input return loss	>16dB@270MHz
Impedance	75Ω
Connector	BNC
SDI loop output	

Channel	2
Signal level	800mVp-p±10%
Rise/Fall time	<0.6ns@270Mbps
SDI Jitter	<0.2UI(740ps)@10Hz <0.2UI(740ps)@1KHz
Impedance	75Ω
Connector	BNC
Analog video output	
Standard	PAL or NTSC, 525/625 lines
Channel	4
Signal resolution	10 Bit
Output level	1Vp-p
Color delay	<10ns
Differential dain	<1.0%
Differential phase	<1 degree
SNR(Weighted)	>70dB
Impedance	75Ω
Connector	BNC
Physical	
Dimension(H×W×D, mm)	
19-inch 1RU	44×433×340(mm)
Mini box	39×167×180(mm)
Power supply	130-260VAC, 50/60Hz
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
LED status indicator	Power, video activity

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Doteck Digital Technologies

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