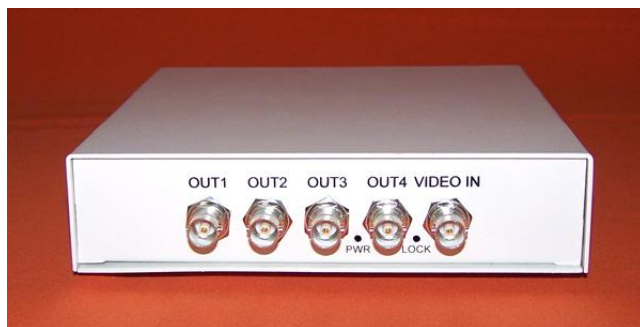


# Doteck

## Doteck C4 Series

### Analog Video to SDI 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 output, with driver function
- (4) When signal output, with re-clocking function
- (5) Perfect LED indicators design, very convenient to monitor device work well or not
- (6) PCB boards made with environment friendly Pb-free

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

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

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

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

(11) 19-inch width 1RU or mini box design, small and exquisite, convenient to setup and operate

### **Introduction**

Dotek C4 series analog video to SDI converter can convert analog video to SDI digital video.

Dotek C4 series analog video to SDI 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**

<b>Analog video input</b>	
Standard	PAL, NTSC, 525/625 lines
Channel	1
Signal resolution	10 Bit
Input level	0.6-1.6Vp-p
Color delay	<10ns
Differential gain	<1.0%
Differential phase	<1 degree
SNR(Weighted)	>70dB
Impedance	75Ω
Connector	BNC
<b>SDI video output</b>	
Channel	4
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
<b>Physical</b>	
Dimension(H×W×D, mm)	
19-inch 1RU	44×433×340(mm)
Mini box	39×166×180(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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