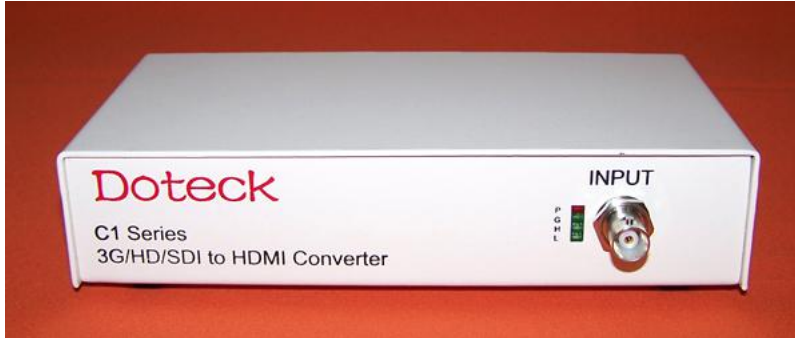


# Doteck

## Doteck C1 Series

### 3G/HD/SD-SDI Digital Video to HDMI Converter



#### Features

- (1) 3G-SDI/HD-SDI/SDI signal auto recognition, need not select by hand, HDMI output automatically also
- (2) Compliant with the standards of SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M, HDMI1.3
- (3) Auto adaption to the speed of 3G-SDI/HD-SDI/SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485M, 2970Mbps
- (4) Resolution up to 1080p@60Hz
- (5) When signal input, with automatic cable equalization function

- (6) When signal input, with re-clocking function
- (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, 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 C1 series 3G/HD/SD-SDI to HDMI converter can convert 3G-SDI, or HD-SDI, or SDI digital video signal to HDMI HD signal.

Dotek C1 series 3G/HD/SD-SDI to HDMI 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

<b>3G/HD/SD-SDI input</b>	
Signal standard	SMPTE424M, SMPTE292M, SMPTE259M, SMPTE310M, SMPTE305M
Channel	1
Signal level	>380mVp-p
Auto-cable equalization	>100m@2970Mbps, (Belden 1694A cable) >200m@1485Mbps, (Belden 1694A cable) >350m@270Mbps, (Belden 1694A cable)
Return loss	>10dB@2970Mbps

Impedance	75Ω
Connector	BNC
<b>HDMI output</b>	
Signal standard	HDMI 1.3, HDCP, CEA-861E
Channel	1
Data rate	Maximum up to 3Gbps
Resolution	576i, 720p, 1080i, 1080p@60Hz
Formats	RGB, YCbCr digital video
Clock frequency	225MHz
Connector	HDMI, type A, female
<b>Physical</b>	
Dimension(H×W×D, mm)	39×166×95(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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