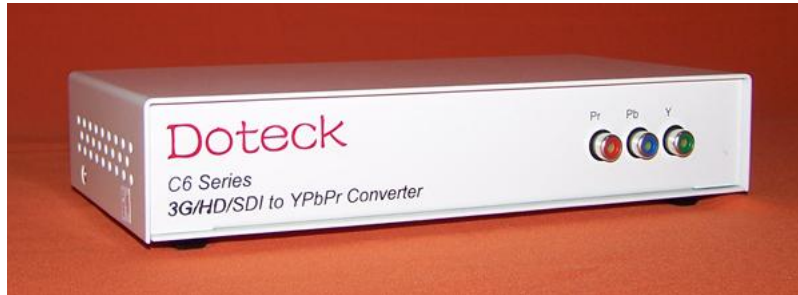


# Doteck

## Doteck C6 Series

### HD-SDI Digital Video to YPbPr Converter



#### Features

- (1) HD/SD-SDI signal auto recognition, not need select by hand
- (2) Compliant with the standards of SMPTE292M, SMPTE259M, SMPTE292M, SMPTE310M, SMPTE305M
- (3) Auto adaption to the speed of HD/SD-SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485Mbps
- (4) When signal input, with automatic cable equalization function
- (5) When signal input, with re-clocking function
- (6) Perfect LED indicators design, very convenient to monitor device work well or not.
- (7) PCB boards made with environment friendly Pb-free
- (8) PCB boards made with multilayer design, to ensure stable and reliable signal conversion
- (9) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (10) Enclosure box material is made of aluminum, elegant appearance, and light weight

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

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

## Introduction

Dotek C6 series HD-SDI digital video to YPbPr converter can convert 3G-SDI, or HD-SDI, or SDI digital video to YPbPr component HD video.

Dotek C6 series HD-SDI digital video to YPbPr 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/SDI video input</b>	
Signal standard	SMPTE292M, SMPTE259M, SMPTE310M, SMPTE292M, SMPTE305M
Channel	1 plus 1 loop-through
Signal level	>380mVp-p
Auto-cable equalization	>200m@1485Mbps, (Belden 1694A cable) >350m@270Mbps, (Belden 1694A cable)
Return loss	>10dB@1485Mbps
Impedance	75 $\Omega$
Connector	BNC
<b>YPbPr component video output</b>	
Signal standard	480i, 576i, 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
<b>Physical</b>	

Dimension(H×W×D, mm)	39×202.8×105(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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