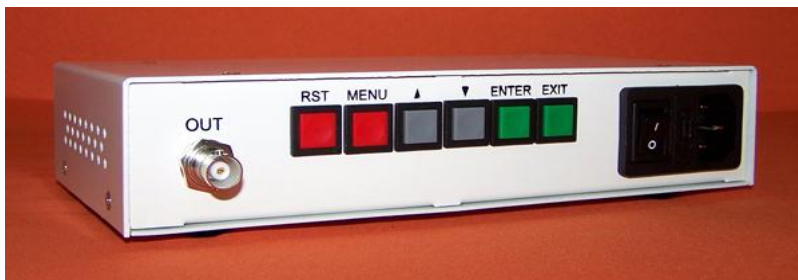


# Doteck

## Doteck C9 Series

### VGA to 3G/HD/SDI Digital Video Converter



#### Features

- (1) Compliant with the standards of SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
- (2) Adaption to the speed of 3G-SDI/HD-SDI/SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485M, 2970Mbps
- (3) When signal input, with automatic cable equalization function
- (4) Support any SD(525i, 625i), HD(720p50/60, 1080i50/60), 3G(1080p30/50/60) digital video output through keys on the front panel
- (5) When signal output, with driver function
- (6) Adaptive resolution VGA output
- (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

## Introduction

Dotek C9 series VGA to 3G/HD/SDI converter can convert VGA analog signal to 3G-SDI, or HD-SDI, or SDI digital video signal. The resolution is up to 1080p/60Hz.

Dotek C9 series VGA to 3G/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

<b>VGA video input</b>	
Channel	1
Connector	DB15
Resolution	Adaptive, up to 1080p50/60Hz
<b>3G/HD/SDI video output</b>	
Signal standard	SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
Channel	1
Signal level	800mVp-p±10%
Default output	1080p, 1080i, 720p, 576i
3G-SDI Rise/Fall time	<135ps@2970Mbps
HD-SDI Rise/Fall time	<270ps@1485Mbps
SDI Rise/Fall time	<0.6ns@270Mbps
3G-SDI Jitter	<0.3UI
HD-SDI Jitter	<0.2UI(134ps)@100KHz <1.0UI(673ps)@10Hz
SDI Jitter	<0.2UI(740ps)@10Hz <0.2UI(740ps)@1KHz
Impedance	75Ω

Connector	BNC
<b>Physical</b>	
Dimension(H×W×D, mm)	44×210.9×109.8(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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