

Doteck

Doteck C2 Series

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



Features

- (1) 3G-SDI/HD-SDI/SDI signal auto recognition, need not select by hand, HDMI input automatically also
- (2) Compliant with the standards of HDMI1.3, SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M
- (3) Auto adaption to the speed of 3G/HD/SDI-SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485M, 2970Mbps
- (4) Resolution up to 1080p@60Hz, 12-bit color
- (5) When signal output, with driver function
- (6) When signal output, 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 C2 series HDMI to 3G/HD/SD-SDI converter can convert HDMI HD multimedia signal to 3G-SDI, or HD-SDI, or SDI digital video signal.

Dotek C2 series HDMI to 3G/HD/SD-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

HDMI input	
Signal standard	HDMI 1.3, DVI 1.0, 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
3G/HD/SD-SDI output	
Channel	2
Signal level	800mVp-p±10%
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
Physical	
Dimension(H×W×D, mm)	39×203.4×103.4(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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