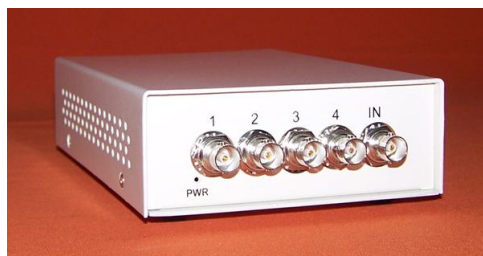
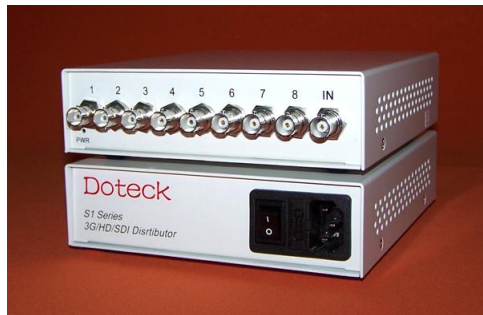


Doteck

Doteck S1 Series

3G/HD/SDI/ASI HD Video Splitter



Features

- (1) 3G/HD/SDI/ASI signal auto recognition, need not select by hand
- (2) Compliant with the standards of SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M, DVB-ASI
- (3) Auto adaption to the speed of SDI 143M, 177M, 270M, 360M, 540M, 1483.5M, 1485M, 2970Mbps, or DVB-ASI
- (4) When signal input, with automatic cable equalization function, and when signal output, with driver function
- (5) With re-clocking function when signal input and output
- (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, light weight
- (11) Switching power supply design, wide voltage range, reliable long-term running
- (12) 19-inch 1RU or mini box design, convenient to setup and operate

Introduction

Dotek S1 series 3G/HD/SDI digital video splitter input one 3G-SDI, or one HD-SDI, or SDI digital video or one ASI digital stream, output 4 or 8 3G/HD/SDI digital video or ASI digital stream.

Dotek S1 series 3G/HD/SDI digital video splitter has high supreme signal precision, stability, reliability, which is a ideal digital video splitter for TV station, CMMB, IPTV, mobile TV, mobile phone TV, telecommunication operators, government video conference system and other new media field.

Technical Specifications

3G/HD/SDI/ASI input	
Standard	SMPTE424M, SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305M, SMPTE310M, DVB-ASI
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	75 Ω
Connector	BNC
3G/HD/SDI/ASI output	

Channel	4 or 8
Signal level	800mVp-p± 10%
3G-SDI Rise/Fall time	<135ps@2970Mbps
HD-SDI Rise/Fall time	<270ps@1485Mbps
SDI Rise/Fall time	<600ps@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	75 Ω
Connector	BNC
Physical	
Dimension(H×W×D, mm)	
19-inch 1RU	44×433×346(mm)
4-channel mini box	44×117×175(mm)
8-channel mini box	44×160×175(mm)
Power supply	130 - 260VAC, 50/60Hz
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
LED indicator	Power

Doteck

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