



## HSD-450 HDMI to 2x SDI-Converter



### Introduction

The HSD-450 HDMI to SDI Converter allows HDMI signal to be shown on SDI displays while ensuring high Resolution of 1080p to give you fast signal transmission without any loss. For professionals this means that it is now easier to distribute and extend your HDMI signal while giving you the ability to display your work on SDI displays thanks to the built in SDI converter. Furthermore, thanks to the Dual output SDI design, users are able to enjoy SDI distribution at the same time.

### Features

- FULL HD1080p (3G-SDI) and backward 1080i/720p (HD-SDI) & 576i/480p (SD-SDI)
- Low SDI Jitter and SDI re-clocking = long cable compensation w/o any loss of Video quality
- Automatic input standard and format detection
- Distributes 1x HDMI source to 2x SDI out
- designed for 24/7 continuously operation

### Model No. : HSD-450

HDMI to SDI+SDI converter

Weight: 0.205kg

Dimension: 135 x 110 x 26mm

Material: Aluminum housing

Pure hardware design, Intelligent Identification, Dual SDI outputs., broadcast-grade circuit design.

Input interface: 1 x HDMI (A Type)

Protocol: DVI1.0, HDMI1.3a, HDCP1.3

Interface bandwidth: 2.25Gbps, fully digital (total of 6.75Gbps, each color is 2.25Gbps) DVI

resolution: 720p@50/60Hz, 1080i50/60Hz, 1080p@25/30/50/60Hz

Clock Jitter: <0.15 Tbit

Rise time: <0.3 Tbit (20%--80%)

Fail time: <0.3 Tbit (20%--80%)

Signal type: DVI -D/ HDMI digital T.M.D.S signal in DVI1.0/HDMI1.3a specification

Signal strength: T.M.D.S. 3.3V pp

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Minimum/maximum level: T.M.D.S. 2.9V/3.3V Impedance 50Ω

Maximum DC offset error: ±15mV

Recommended maximum distance: 10 meters.

Output interface: 2 x SDI (BNC).

Protocol SMPTE 259M, SMPTE 292M, SMPTE 424M, ITU-R BT.601, ITU-R BT.1120

Pixel bandwidth: 1.485Gbps HD-SDI and 2.97Gbps 3G-SDI Signal strength: 0.8Vpp±10%

Minimum/maximum level: 0.5V to 1.0 Vpp

Impedance: 75Ω

Recommended maximum distance:

3G-SDI: 140m

HD-SDI: 200m

SDI output resolution: 720p@50/60Hz, 1080i50/60Hz, 1080p@25/30/50/60Hz

Power interface: 1 x DC Jack 2.1mm

Power supply: AC 110...220V 50/60Hz to DC: DC5V ±500mA

Matching UL plug, BS plug, VDE plug

Maximum power consumption: 5W

Compliance: CE, FCC

ESD protection: 1a Contact discharge Level 3

1b Air discharge Level 3

Executive standard: IEC61000-4-2

Mean time between failures (MTBF): 30000 hours

Temperature: Storage & oper. temperature -25...80°C

Humidity: Storage & oper. humidity: 0...95%.

Single Box size: 220 x 162 x 60mm (8.66" x 6.38" x 2.36") Net weight: 0.390kg

Gross weight: 0.400kg

Carton Size (30 pcs): 520 x 455 x 315mm (20.47" x 17.91" x 12.40") Net weight: 11.700kg (30pcs)

Gross weight: 12.000kg

