



HDMI-SDI CONVERTER

HSD-450

HSD-450 HDMI to 2x SDI-Converter

HDMI

3G-SDI

HD-SDI

Model designation as per manufacturer reference

Overview

The VIZOBOX HSD-450 is a compact professional converter for reliable signal conversion between HDMI and SDI interfaces.

Key Features & Applications

- ✓ The HSD-450 HDMI to SDI Converter allows HDMI signal to be shown on SDI displays while
- ✓ professionals this means that it is now easier to distribute and extend your HDMI signal while
- ✓ Furthermore, thanks to the Dual output SDI design, users are able to enjoy SDI distribution at
- ✓ FULL HD1080p (3G-SDI) and backward 1080i/720p (HD-SDI) &576i/480p (SD-SDI)
- ✓ Automatic input standard and format detection
- ✓ designed for 24/7 continuously operation
- ✓ HDMI to SDI+SDI converter
- ✓ Material: Aluminum housing
- ✓ circuit design.
- ✓ Protocol: DVI1.0, HDMI1.3a, HDCP1.3
- ✓ ensuring high Resolution of 1080p to give you fast signal transmission without any loss. For
- ✓ giving you the ability to display your work on SDI displays thanks to the built in SDI converter.
- ✓ the same time.
- ✓ Low SDI Jitter and SDI re-clocking = long cable compensation w/o any loss of Video quality
- ✓ Distributes 1x HDMI source to 2x SDI out
- ✓ Model No.: HSD-450
- ✓ Dimension: 135 x 110 x 26mm
- ✓ Pure hardware design, Intelligent Identification, Dual SDI outputs., broadcast-grade
- ✓ Input interface: 1 x HDMI (A Type)
- ✓ Interface bandwidth: 2.25Gbps, fully digital (total of 6.75Gpbs, each color is 2.25Gpbs) DVI

Technical Specifications

Weight	0.205kg
Dimension	135 x 110 x 26mm
Material	Aluminum housing circuit design.
Input interface	1 x HDMI (A Type)
Protocol	DVI1.0, HDMI1.3a, HDCP1.3
Interface bandwidth	2.25Gbps, fully digital (total of 6.75Gpbs, each color is 2.25Gpbs) 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
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).
Pixel bandwidth	1.485Gbps HD-SDI and 2.97Gbps 3G-SDISignal strength:0.8Vpp±10%
Minimum/maximum level	0.5V to 1.0 Vpp
Impedance	75Ω
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
Maximum power consumption	5W
Compliance	CE, FCC
ESD protection	1a Contact discharge Level 3
Executive standard	IEC61000-4-2
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



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