

SDI/HDMI Bidirectional Converter

500745



Overview

The SDI/HDMI Bidirectional Converter (model: 500745) is based on 3G-SDI signal design. The SDI input supports up to 3G-SDI Level A and B signals and is backward compatible with HD-SDI and SD-SDI signals. The HDMI input supports up to 1080p60 and is compatible with 1080i, 720p, 576i and 480i resolution. The 500745 design can achieve SDI to HDMI and HDMI to SDI dual functions. The device use pure hardware architecture with fast startup, low power consumption and no delay output.

The SDI/HDMI Bidirectional Converter is equipped with USB-C interface to power the device and upgrade software. It can be power using mobile device power supply such as a power bank. The equipment is equipped with a 1/4 hot shoe screw, which is convenient for professional users to fix equipment.

Applications

- Video production & Broadcasting
- Studio-to-studio & post production
- Outside broadcasting vehicle
- Mobile video & Live events
- SDI Camcorders
- Medical imaging

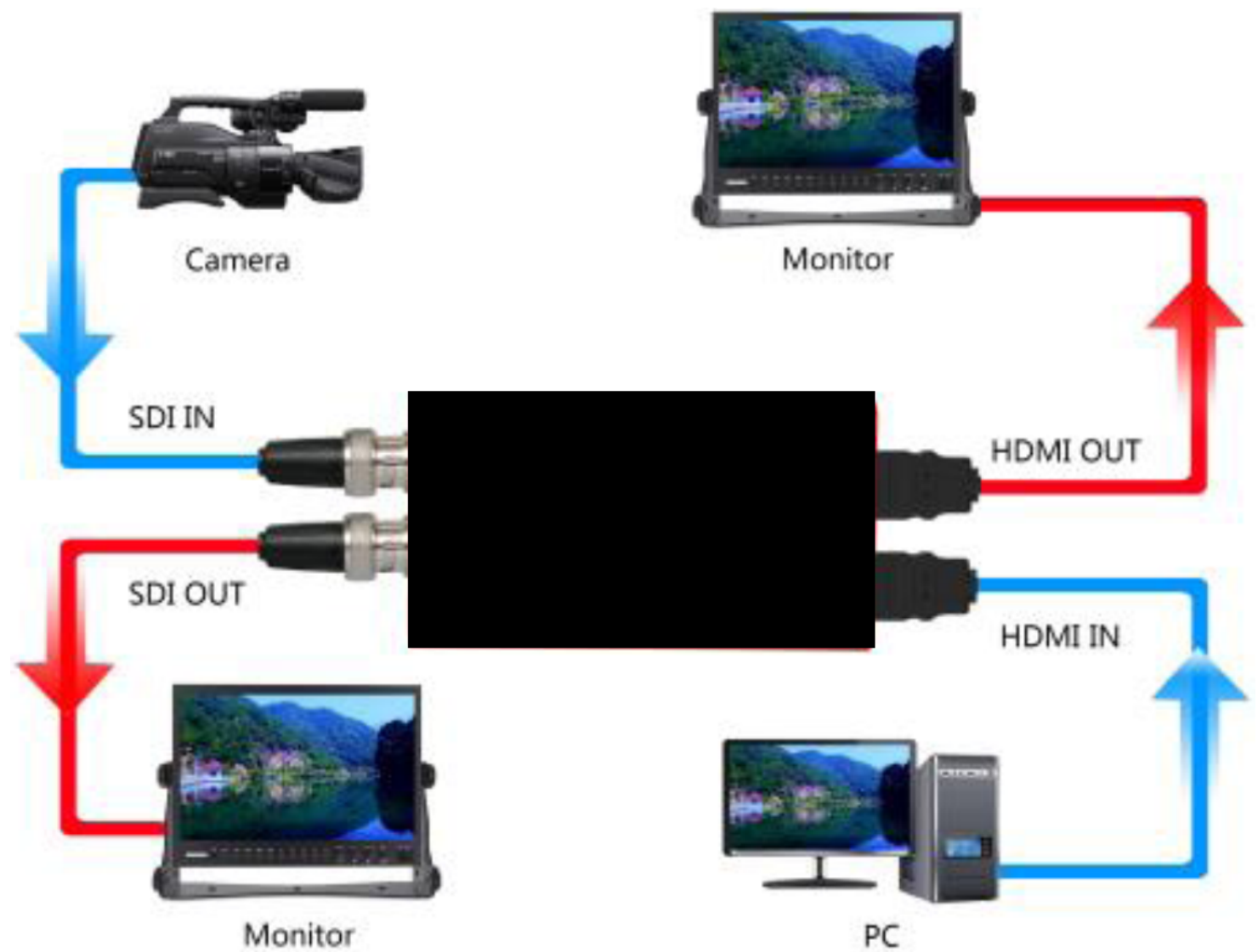
Key Features

- Supports SDI to HDMI and HDMI to SDI
- SDI input supports 3G/HD/SD SDI signal
- HDMI input supports 1080P, 1080i, 720P, 576i and 480i signal.
- 3G-SDI Level A & Level B input signal are supported
- Built-in professional grade equalizer and line driver
- SDI and HDMI adaptive input
- SDI and HDMI output follow input resolution
- 1/4 hot shoe fixed screw
- USB-C Power input

Specification

Technical	
SDI Signal	3G/HD/SD SDI video signal
SDI Bit rate	270Mbps~2.97Gbps
SDI Signal Amplitude	800mV±10% (75Ω)
SDI Impedance	75Ω
SDI Audio	2 audio channels, 48KHz, 24-bit
HDMI Signal	1080P, 1080i, 720P, 576i, 480i resolution
Connection	
	Input: 1 × SDI [BNC female] 1 × HDMI [Type A, 19-pin female] Output: 1 × SDI [BNC female] 1 × HDMI [Type A, 19-pin female] Power: 1 × USB-C [USB type C, 24-pin female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	108mm [W] × 48mm [D] × 26mm [H]
Weight	300g
Power Supply	USB-C 5VDC, 1A
Power Consumption	3W (Max)
Operating Temperature	0°C ~ 50°C / 32°F ~ 122°F
Storage Temperature	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	20~90% RH (non-condensing)
Generic Specification	
Warranty	2 years
Order Information	500745 SDI/HDMI Bidirectional Converter (UPC: 627699007457)

Application Example



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2321 Cohen | St-Laurent , H4R 2N7 | Québec, Canada Tel: 514-905-0588 | Fax:
514-905-0589 | Toll free: 1-877-689-5228 info@muxlab.com |
salesteam@muxlab.com | www.muxlab.com