

Overview

The HDMI 2.0 to 12G-SDI (Model 500741) is a product developed for the high quality conversion of video signal from HDMI 2.0 to 12G-SDI. It performs high-quality, low-delay video transmission, features one HDMI 2.0 input and HDMI 2.0 local loop out, and up to 4 SDI outputs: one 12G-SDI output and three 6G-SDI outputs. It is powered via a 12VDC power supply with a locking connector for better reliable power connection. It supports firmware upgrade and control via a mini-USB port. SDI and HDMI signals are validated and displayed via front panel and rear panel LED indicators.

Applications

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

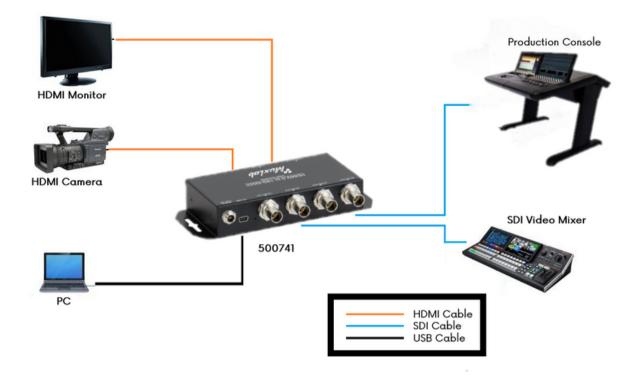
Key Features

- Wide support of HDMI 2.0 resolutions
- Support for local HDMI 2.0 loop out
- Supports SDI Single link, Dual link and Quad link modes
- Supports Quad link 2 Sample Interleave (2SI)
- Multi-Standard Support (12G, 6G, 3G, HD, and SD-SDI)
- Auto Source Format Detection
- Supports 8-channel, 24-bit Audio formats
- Easy plug and play installation
- Configure via USB port and the MuxLab SDI Manager software available for easy control and firmware upgrade
- Rugged design and integrated brackets for easy mounting

Specifications

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Specifications		
	HDMI 2.0, 12G-SDI, and 6G-SDI	
Bandwidth (HDMI)	594 MHz	
Video Resolution	Up to 4K/60 fps (4:4:4)	
System latency	None	
USB Link	Mini-USB	
Power Supply	12VDC, Locking connector	
Working Temperature	0°C to 40°C	
Storage Temperature	-20°C to 60°C. Bring to working temperature range before power-up.	
Humidity	0 to 90% non condensing	
Connections		
	Inputs:	1 x HDMI IN [Type A, 19-pin female]
Converter	Outputs: Controls:	1 x HDMI Loop Out [Type A, 19-pin female] 1 x 12G-SDI connector [High speed BNC female] 3 x 6G-SDI connector [High speed BNC female] 1 x USB HOST [Mini USB] 2 x Front LEDs indicate Locked HDMI Signals 4 x Rear LEDs indicate Locked SDI Signals
	Power:	7.5Vdc to 15Vdc with locking connector
DIP Switch Settings	Position 1: Position 2 & 3:	DOWN: USB Software Control; UP: DIP switch Hardware Control 2-UP - 3-UP for SINGLE Link SDI mode 2-UP - 3-DOWN for DUAL Link SDI mode 2-DOWN - 3-UP for QUAD Link SDI mode 2-DOWN - 3-DOWN RESERVED
	Position 4 & 5:	RESERVED
Supported Formats		
HDMI 2.0 Video Input	4096x2160p 60/50fps 4096x2160p 30/25/24fps 3840x2160p 60/50fps 3840x2160p 30/25/24fps 1920x1080p 60/50fps 1920x1080p 30/25/24fps 1920x1080i 60/50fps 1280x720p 60/50fps	
HDMI 2.0 Video Output	Same as HDMI Input Format	
SDI Video Output	Same as HDMI Input Format	
HDMI Audio Input	8-Channel, 24-bit, up to 48 kHz	
HDMI Audio Output	8-Channel, 24-bit, up to 192 kHz	
SDI Audio Output	8-Channel, 24-bit, 48 kHz	
Mechanical		
Housing	Black Metal Enclosure	
Dimensions	153 X 80.7 X 26mm	
Warranty	2 years	
Order Information	500741 HDMI 2.0 to 12G-SDI Video Converter (UPC: 627699007419)	

Application Diagram







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