



Features

- Converts 3G/HD/SD-SDI to HDMI with looping output
- High quality pixel to pixel conversion
- Auto detects output resolution
- 7 DIP switches for control and set up.
- Support inputs up to 1920x1080P
- Outputs YUV 422 or RGB 444
- Signal resolution display
- Audio level metering
- AES and stereo analogue audio outputs (simultaneously)
- User selectable audio channel
- Headphone output level adjustment
- Supports 720p, 1080i and 1080p
- LCD display for signal analysis and monitoring
- Audio meters or video resolution in LCD display
- User adjustable LCD backlight
- Small, low power compact box
- Mounting brackets
- LED status indicators
- 6-24V DC power with screw locking 2.5mm connector
- Optional battery pack
- HDMI to 3G-SDI version also available

The DTL Broadcast 5002SH is a next generation, high quality, compact, 3G/HD/SD-SDI to HDMI converter with the most advanced features. This handy unit removes all the uncertainty when converting SDI to HDMI devices as it incorporates an array of LED indicators and a LCD display for audio and signal monitoring.

This DTL Broadcast 5000 series is all about quality, from manufacture to operation. In our experience cheap HDMI converters do not always do what is required and when this happens, a great deal of time can be spent diagnosing a problem which can often be more costly than the unit itself. It is for this reason that our units allow you to check video signal format, resolution and audio parameters such as level which differentiates them from similar products from other manufacturers. They automatically detect the input signal, transparently providing a pixel to pixel transformation to either 3G/HD/SD-SDI or HDMI depending upon the particular unit. The original input format and frame rate are preserved at the output unless selected as YUV 422 or RGB444 signals via a DIP switch. Audio content on the 3G/HS/SD-SDI is transparently and automatically passed through the unit. The respective de-embedder provides both AES and analogue audio outputs and there high and low audio gain select.

This excellent converter has a LCD display to show either audio meters or the output video resolution.

It is understood that these units can be used in dark environments and it is for this reason that the LCD backlight can be set to be illuminated or extinguished via a dip switch



Specifications

Input	1 x SD/HD/3G-SDI	Power	6-24 VDC, 1A		
Output	1 x HDMI (V1.3) 1 x SDI Active Through-out 2 x AES/EBU audio output balanced (from input) 2 x analogue audio output, unbalanced (from input)	Dimensions	123 x 92 x 29 mm		
Standards	SMPTE-259M/292M/424M/425M (Level A) SDI support of YUV 4:2:2 8-bit/10-bit HDMI support of YUV 4:2:2, and RGB	Weight	220 Grams		
Supported Video Formats	NTSC, PAL 720p 50 / 59.94 / 60, 1080i 50 / 59.94 / 60, 1080p 23.98 / 24 / 25 / 29.97 / 30, 1080PsF 23.98 / 24 / 25 / 29.97 / 30, 1080p 50 / 59.94 / 60, 2K (2048x1080) 24psf / 24p	Dip Switch Settings			
			DESCRIPTION	UP	DOWN
		SW1	LCD Backlight	OFF	ON
		SW2	LCD Display	Resolution	Level Meter
		SW3	Output format	YCbcR 4:2:2	RGB 4:4:4
Supported Audio	SDI embedded 16-Channel (8ch+8ch) audio support (CH1~CH8, CH9~CH16) (PsF : Video only)	SW4	Headphone Amp Gain	LOW	HIGH
		SW5	Audio Group	CH1-CH8	CH9-CH16
Advanced Features	2-line LCD display (Input resolution, 2ch audio level meter, Output audio channel & gain, SDI error status) 60-level bar-graph/digit value 2ch audio level meter (Range : -60dBFS~0dBFS) SDI de-embedded 2ch AES/EBU & analogue audio output HDMI luminance range select (0~255/16~235)	SW6	De-embedded audio out CH Select (AES/EBU & Analogue Audio)		
		SW7			
		De-embedded Audio CH		SW6	SW7
		CH1/2 (CH 9/10)		OFF	OFF
		CH3/4 (CH11/12)		OFF	ON
		CH5/6 (CH13/14)		ON	OFF
		CH7/8 (CH15/16)		ON	ON

Ordering Information:-	
5002SH 3G HD SD-SDI to HDMI Converter (including PSU)	
We reserve the right to change technical specifications without prior notice. E&OE.	

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