

Truelight SDI datasheet

Truelight SDI

Real-time colour transformation

Truelight SDI provides stand-alone, real-time, accurate monitor calibration and print emulation on any HD display or digital projection system.

Designed to fit in-line into an HD stream, Truelight SDI allows you to select one of 15 stored Truelight 3D colour cubes and apply it to the image stream.

Truelight SDI is sited downstream from an HD colour corrector or an HD DDR. The output is fed to an HD monitor or digital projector to visualise the calibrated images exactly as they would appear on a film print, removing the need to process film-outs to review how the data will print. Truelight SDI can also provide a real-time render of calibrated HD/SD deliverables from a graded master.

The SDI unit supports all current HD formats in 8- or 10-bit YUV or dual link RGB, as well as SD.

Features

- Up to 15 pre-loaded Truelight 3D cubes, for different stocks or environments
- Simple push button selection of cubes | bypass mode to disable colour transform | out-of-gamut display
- On-screen display of current cube info and unit status
- Soft-clipping video legaliser
- Built in test pattern generator
- 1U rack-mountable
- Simultaneous front panel operation and network remote control through user-friendly Java applet GUI
- Configurable single or dual link input and output
- Soft, configurable push button assignments

Specifications

General			
Dimensions	483 x 44 x 210mm (w x h x d)	Package	1U rackmount
Weight	1 kg	Heat output	10 watts
Control	Front panel button selection or remote Java applet	Power supply	External 5V mains power supply. Input: 100/240V AC, 1.0A max at 120V AC Output: 2A at 5V DC
Truelight SDI			
Inputs	BNC x 2 (single or dual link)	Outputs	BNC x 2 (single or dual link, 1.485Gb/s data rate)
Video sampling¹	8/10 bits per sample, 4:2:2 YCrCb, 4:4:4 YCrCb, 4:4:4 RGB (single or dual link SDI)	Frame rate¹	23.98p/24p/25p/29.97p/30p/59.94p/60p/50i/59.94i/60i (also PsF mode)
Video formats¹	720x486/720x576/1280x720/1920x1080/2048x1080/2048x1556		

¹ All valid combinations of format, frame rate and sampling structure are supported.

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