

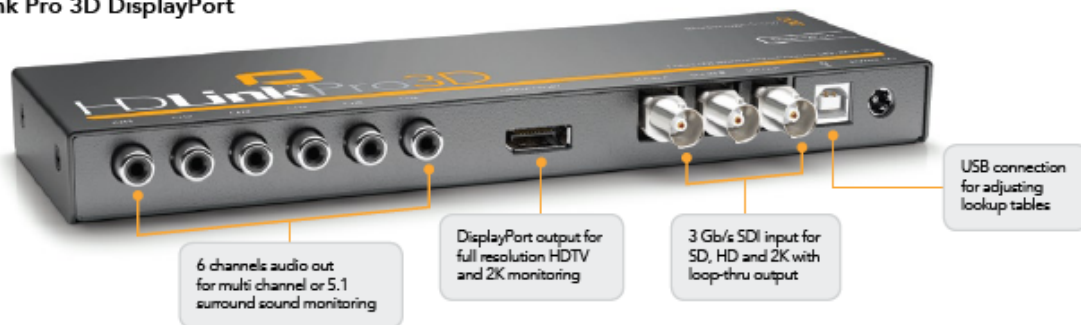
## Blackmagic HDLink Pro 3D DisplayPort

### Get the world's highest quality monitoring for DVI, HDMI and DisplayPort monitors!

HDLink is the world's first full resolution 2D/3D HDTV and 2K monitoring for DVI, HDMI and DisplayPort monitors. HDLink features 3Gb/s SDI video for 4:2:2, 4:4:4 & 2K. Only HDLink support real time 2K playback at a massive 2048 x 1556 resolution when used with a 30 inch LCD display!

HDLink automatically switches between SD, HD and 2K plus includes 3D lookup tables to accurately simulate film stocks and color calibrate your display. Available in both dual link SDI and optical fiber SDI models, HDLink is the most advanced monitoring available!

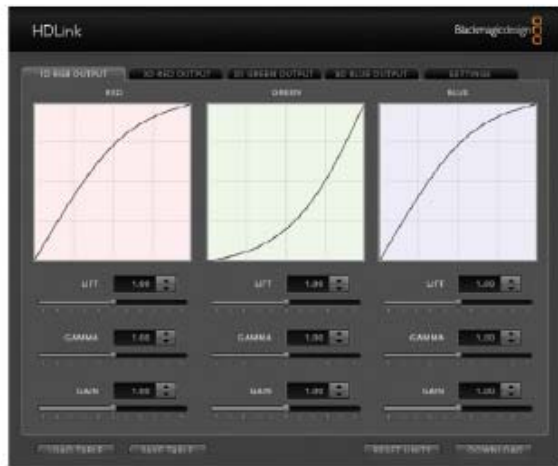
#### HDLink Pro 3D DisplayPort



### HDLink Pro 3D DisplayPort

The world's first SDI monitoring solution for deep bit depth DisplayPort monitors now supports full 3D stereoscopic and HDMI 1.4! Get the highest quality in both 4:2:2 and 4:4:4. Perfect for SD, HD and feature film 2K monitoring, HDLink Pro supports 1.62 and 2.7 Gb/s DisplayPort monitors with 1, 2 and 4 lanes as well as DVI and HDMI monitors with an adapter.

# HDLink



## 3D Lookup Tables

For matching LCD display colorimetry and simulating various types of film stocks, HDLink Pro model features more advanced 3D lookup tables. Advanced 3D lookup tables increase color control because a blend of red, green and blue video can be output to each primary color on the connected display. Only advanced 3D lookup tables can give full color control for accurate simulation of almost any feature film stock.

Lookup tables are fully adjustable via a high speed USB 2.0 host computer connection using the included HDLink Utility software for Windows and Mac OS X. Custom lookup tables also allow film industry log video to be converted to linear for monitoring when used for feature film work. Preset gamma tables for Panasonic™ and Grass Valley Thomson Viper cinema-gamma are included.

## Affordable 3D SDI Monitoring

Now HDLink Pro supports 3D monitoring for the latest 3D production workflows! HDLink Pro 3D lets you display both dual stream as well as interleaved 3D inputs and then display them on any compatible 3D DVI display or HDMI television. When used with a DisplayPort to HDMI adapter, HDLink Pro 3D DisplayPort also supports HDMI 1.4 for compatibility with the latest full resolution 3D televisions!

## Direct Monitor Optical Fiber SDI

Get the world's first direct optical fiber SDI monitoring! HDLink Optical Fiber lets you monitor from both SDI, 3Gb/s SDI via copper BNC connections, or 3 Gb/s SDI using optical fiber. HDLink makes working with optical fiber easy, as your SDI input can be looped out via both the copper SDI and optical fiber SDI outputs. With HDLink there is no need for optical fiber SDI converters because they're all built into HDLink Optical Fiber!

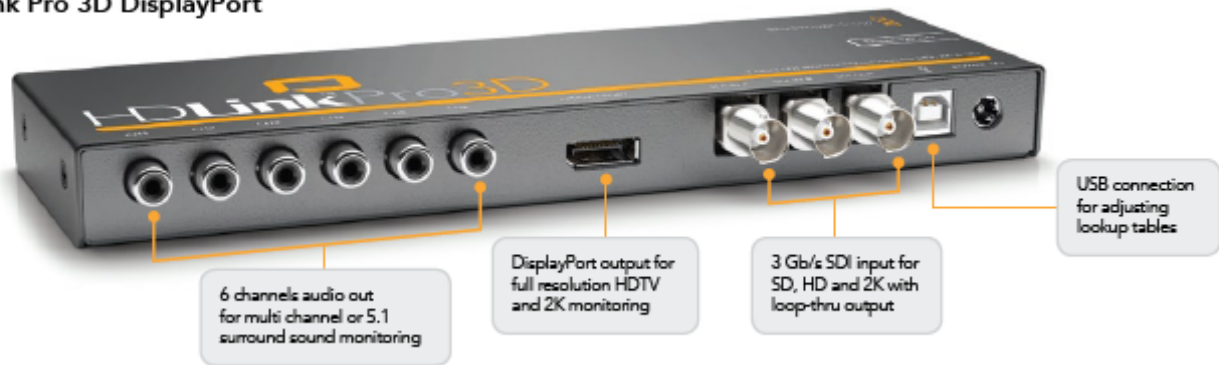


**HDLink Pro has 3D monitoring!**  
Now you can display both dual stream as well as interleaved 3D using HDLink Pro 3D!



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## HDLink Pro 3D DisplayPort



HDLink Pro 3D DisplayPort™ - Technical Details	
<b>Connections</b>	
<b>SDI Video Input</b>	2 x BNC inputs switch between SD-SDI, HD-SDI 4:2:2, HD-SDI 4:4:4, 2K via SDI and dual-link HD-SDI 4:4:4.
<b>SDI Video Output</b>	1 x BNC active loop through output switches between SD, HD 4:2:2, HD 4:4:4 and 2K.
<b>Multi Rate SDI Support</b>	270 Mb/s standard definition, 1.5 Gb/s high definition 4:2:2, 3 Gb/s 4:4:4 high definition and 2K film.
<b>Analog Audio Output</b>	6 x unbalanced 24 bit analog outputs on RCA connectors -10dB, de-embedded from SDI input.
<b>DVI-D Video Output</b>	Supports SD, HD and 2K using Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size when used with a DisplayPort to dual link DVI adapter (not included).
<b>DVI-D Audio Output</b>	DVI-D supports video only. Use RCA analog audio outputs for audio monitoring.
<b>DisplayPort Video Output</b>	DisplayPort Video Output: Supports SD, HD and 2K using DisplayPort monitors up to 30 inches 2560 x 1600 in size.
<b>DisplayPort Audio Output</b>	Via DisplayPort output.
<b>HDMI Video Output</b>	Via DisplayPort to HDMI adapter (not included). Supports HDMI displays, such as a TV or video projector, up to 1920 x 1080 resolution.
<b>HDMI Audio Output</b>	Via DisplayPort to HDMI adapter (not included).
<b>HDMI Connection</b>	Via DisplayPort to HDMI adapter (not included).
<b>Updates and Configuration</b>	USB 2.0 High Speed (480Mb/s) interface.
<b>Standards</b>	
<b>2K Format Support via DVI-D</b>	2048 x 1556p23.98, 2048 x 1556p24 and 2048 x 1556p25.
<b>2K Format Support via DisplayPort</b>	2048 x 1556p23.98, 2048 x 1556p24 and 2048 x 1556p25.
<b>HD Format Support via DVI-D</b>	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60.
<b>HD Format Support via DisplayPort</b>	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60.
<b>HD Format Support via HDMI</b>	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94 and 1080i60 , 1080p50, 1080p59.94 and 1080p60.
<b>SD Format Support via DVI-D</b>	625/25 PAL and 525/29.97 NTSC.
<b>SD Format Support via DisplayPort</b>	625/25 PAL and 525/29.97 NTSC.

<b>SD Format Support via HDMI</b>	625/25 PAL and 525/29.97 NTSC.
<b>SDI Compliance</b>	SDI Compliance: SMPTE 259M, SMPTE 274M, SMPTE 292M, SMPTE 296M, SMPTE 425M-B, ITU-R BT.656, ITU-R BT.601 and SMPTE 297M for Optical Fiber SDI.
<b>SDI Video Sampling</b>	4:2:2 and 4:4:4.
<b>SDI Color Precision</b>	4:2:2 10 bit and 4:4:4 10 bit.
<b>SDI Color Space</b>	4:2:2 YUV, 4:4:4 YUV and 4:4:4 RGB.
<b>SDI Audio Sampling</b>	Television standard sample rate of 48 kHz and 24 bit.
<b>3D Muxing Modes</b>	Line-by-Line, Side-by-Side. Horizontal and/or vertical image flip can be applied to either the left or right eye input.
<b>DVI-D Configuration</b>	Automatic adjustment using VESA E-EDID1.3.
<b>DVI-D Resolution</b>	Pixel-for-pixel display on LCD displays.
<b>DisplayPort Configuration</b>	Automatic adjustment using VESA E-EDID1.3.
<b>DisplayPort Resolution</b>	Pixel-for-pixel display on LCD displays
<b>HDMI Configuration</b>	HDMI automatically configures to connected display.
<b>HDMI Resolution</b>	Pixel for pixel HD resolution input to connected device.
<b>Extras</b>	
<b>Software Control</b>	HDLink Utility included free for Windows XP, Windows Vista, Windows7 and Mac OS X.
<b>Gamma Correction</b>	Independently adjustable 3D lookup tables per color component. Interactive real time adjustment of lookup tables.
<b>Firmware Upgrade</b>	Automatically when new HDLink Utility is installed.
<b>Real Time Processing</b>	Adaptive pull-down processor guarantees smooth motion display.
<b>Video Scaling via DVI-D</b>	Pixel for pixel display. Scale up SD to fill display in 2D modes. Scale up HD to fill display in 2D modes.
<b>Installation</b>	Small brick style compact design.
<b>Power Supply</b>	12 Volt universal power supply included. IEC power cable required.
<b>Product Warranty</b>	3 Year Limited Manufacturer's Warranty.
<b>Display Requirements</b>	
<b>Interface</b>	DisplayPort connection to LCD computer monitor or use an adapter to connect to a DVI-D or HDMI display.
<b>Resolution via DVI-D</b>	Resolution via DVI-D: 1920 x 1200 required for HD1080 video SDI formats. 1280 x 800 recommended for HD720 video SDI formats. 2560 x 1600 required for 2K feature film formats. DVI-D displays generally do not support 720p50 or 1080p50 but most recent HDMI displays do.
<b>Resolution via DisplayPort</b>	1920 x 1200 required for HD1080 video SDI formats. 1280 x 800 recommended for HD720 video SDI formats. 2560 x 1600 required for 2K feature film formats. DisplayPort displays generally do not support 720p50 or 1080p50 but most recent HDMI displays do.
<b>Resolution via HDMI</b>	Resolution via HDMI: The HDMI input of a display must accept either: <ul style="list-style-type: none"> <li>• 1920 x 1080 for HD1080 video SDI formats or</li> <li>• 1280 x 720 for HD720 video SDI formats</li> </ul> A Full HD display should be considered if pixel for pixel video is desired as other HDMI displays present at a lower resolution.
<b>Refresh Frame Rate for DVI</b>	Nominal 60Hz, however 48 to 75 Hz recommended

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