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HDLink

Eliminate the high cost of HD
and 2K professional monitoring!

	HDLink Pro DVI™	HDLink Pro 3D DisplayPort™	HDLink Optical Fiber™
Connections			
SDI Video Input	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.		1 x BNC input switches between SD–SDI, HD–SDI 4:2:2, HD–SDI 4:4:4 and 2K via SDI.
SDI Video Output	1 x BNC active loop through output switches between SD, HD 4:2:2, HD 4:4:4 and 2K.		
Optical Fiber Video Input	None	None	1 x LC connector switches between SD–SDI, HD–SDI 4:2:2, HD–SDI 4:4:4 and 2K via SDI.
Optical Fiber Video Output	None	None	1 x LC connector active loop through output switches between SD, HD 4:2:2, HD 4:4:4 and 2K. Use Single–mode for 25 km output.
Multi Rate SDI Support	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.		
Analog Audio Output	6 x unbalanced 24 bit analog outputs on RCA connectors –10dB, de–embedded from SDI input.		

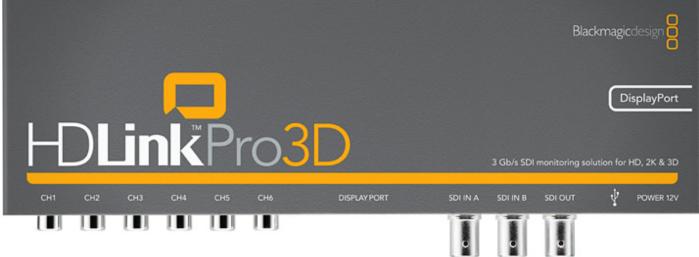| DVI-D Video Output	Supports SD, HD and 2K using Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size.	Supports SD, HD and 2K using Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size when used with a DisplayPort to dual link DVI adapter (not included).	Supports SD, HD and 2K using Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size.
DVI-D Audio Output	DVI-D supports video only. Use RCA analog audio outputs for audio monitoring.		
DisplayPort Video Output	None	DisplayPort Video Output: Supports SD, HD and 2K using DisplayPort monitors up to 30 inches 2560 x 1600 in size.	None
DisplayPort Audio Output	None	Via DisplayPort output.	None
HDMI Video Output	Via DVI-D to HDMI adaptor. Supports HDMI displays, such as a TV or video projector, up to 1920 x 1080 resolution.	Via DisplayPort to HDMI adapter (not included). Supports HDMI displays, such as a TV or video projector, up to 1920 x 1080 resolution.	Via DVI-D to HDMI adaptor. Supports HDMI displays, such as a TV or video projector, up to 1920 x 1080 resolution.
HDMI Audio Output	Via DVI-D to HDMI adaptor.	Via DisplayPort to HDMI adapter (not included).	Via DVI-D to HDMI adaptor.
HDMI Connection	Via included DVI-D male to HDMI Type A female adaptor.	Via DisplayPort to HDMI adapter (not included).	Via included DVI-D male to HDMI Type A female adaptor.
Updates and Configuration	USB 2.0 High Speed (480Mb/s) interface.		

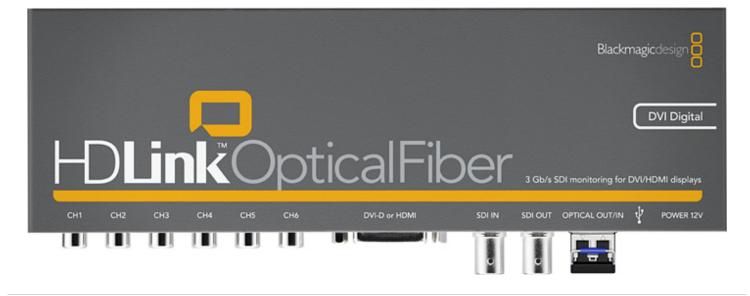| Standards			
2K Format Support via DVI-D	2048 x 1556p23.98, 2048 x 1556p24 and 2048 x 1556p25.		
2K Format Support via DisplayPort	None	2048 x 1556p23.98, 2048 x 1556p24 and 2048 x 1556p25.	None
HD Format Support via DVI-D	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60.		
HD Format Support via DisplayPort	None	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60.	None
HD Format Support via HDMI	720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080i50, 1080i59.94 and 1080i60 , 1080p50, 1080p59.94 and 1080p60.		
SD Format Support via DVI-D	625/25 PAL and 525/29.97 NTSC.		
SD Format Support via DisplayPort	None	625/25 PAL and 525/29.97 NTSC.	None
SD Format Support via HDMI	625/25 PAL and 525/29.97 NTSC.		
SDI Compliance	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.		
SDI Video Sampling	4:2:2 and 4:4:4.		
SDI Color Precision	4:2:2 10 bit and 4:4:4 10 bit.		
SDI Color Space	4:2:2 YUV, 4:4:4 YUV and 4:4:4 RGB.		
SDI Audio Sampling	Television standard sample rate of 48 kHz and 24 bit.		
3D Muxing Modes	None	Line-by-Line, Side-by-Side. Horizontal and/or vertical image flip can be applied to either the left or right eye input.	None

DVI-D Configuration	Automatic adjustment using VESA E-EDID1.3.		
DVI-D Resolution	Pixel-for-pixel display on LCD displays.		
DisplayPort Configuration	None	Automatic adjustment using VESA E-EDID1.3.	None
DisplayPort Resolution	None	Pixel-for-pixel display on LCD displays.	None
HDMI Configuration	HDMI automatically configures to connected display.		
HDMI Resolution	Pixel for pixel HD resolution input to connected device.		

Extras			
Software Control	HDLink Utility included free for Windows XP, Windows Vista, Windows7 and Mac OS X.		
Gamma Correction	Independently adjustable 3D lookup tables per color component. Interactive real time adjustment of lookup tables.		
Firmware Upgrade	Automatically when new HDLink Utility is installed.		
Real Time Processing	Adaptive pull-down processor guarantees smooth motion display.		
Video Scaling via DVI-D	Pixel for pixel display. Scale up SD to fill display in 2D modes. Scale up HD to fill display in 2D modes.		
Installation	Small brick style compact design.		
Power Supply	12 Volt universal power supply included. IEC power cable required.		
Product Warranty	3 Year Limited Manufacturer's Warranty.		

Display Requirements			
Interface	DVI-D connection to LCD computer monitor or HDMI Type A connection to HDMI display.	DisplayPort connection to LCD computer monitor or use an adapter to connect to a DVI-D or HDMI display.	DVI-D connection to LCD computer monitor or HDMI Type A connection to HDMI display.
Resolution via DVI-D	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.		
Resolution via DisplayPort	None	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.	None
Resolution via HDMI	Resolution via HDMI: The HDMI input of a display must accept either: • 1920 x 1080 for HD1080 video SDI formats or • 1280 x 720 for HD720 video SDI formats A Full HD display should be considered if pixel for pixel video is desired as other HDMI displays present at a lower resolution.		
Refresh Frame Rate for DVI	Nominal 60Hz, however 48 to 75 Hz recommended.		

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HDLink Pro

DVI Digital

3 Gb/s SDI monitoring solution for HD and 2K on DVI or HDMI displays

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | DVI-D or HDMI | SDI IN A | SDI IN B | SDI OUT | | POWER 12V |

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HDLink Pro 3D

DisplayPort

3 Gb/s SDI monitoring solution for HD, 2K & 3D

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | DISPLAY PORT | SDI IN A | SDI IN B | SDI OUT | | POWER 12V |

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HDLink OpticalFiber

DVI Digital

3 Gb/s SDI monitoring for DVI/HDMI displays

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | DVI-D or HDMI | SDI IN | SDI OUT | OPTICAL OUT/IN | | POWER 12V |