

Connections	HDLink Pro™	HDLink Optical Fiber™
SDI Video Input	1 x BNC input switches between SD-SDI, HD-SDI 4:2:2, HD-SDI 4:4:4 and 2K via SDI or use 2 x BNC inputs for 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 or use 1 x 3 Gb/s BNC input for dual-link HD-SDI 4:4:4.
SDI Video Output	1 x BNC active loop through output switches between SD, HD 4:2:2, HD 4:4:4 and 2K.	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	1 x LC connector.
Optical Fiber Video Output	None	Loop output. LC connector. Use Multimode for 25 km output.
SDI Audio De-embedding	6 channels out de-embedded from SDI input.	6 channels out de-embedded from SDI input.
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.	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.	6 x unbalanced 24 bit analog outputs on RCA connectors -10db.
DVI -D Video Output	Supports Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size.	Supports Dual Link DVI-D displays up to 30 inches 2560 x 1600 in size.
DVI -D Configuration	Automatic adjustment using VESA E-EDID1.3. Manual override of display configuration via HDLink Utility software.	
DVI -D Resolution	Pixel-for-pixel display on LCD displays.	
DVI -D Connection	Via any DVI-D. Compatible with single-link and dual-link DVI cables. DVI-D video support only. Audio via RCA analog outputs.	
HDMI Audio Output	Audio combined with video in HDMI connection.	Audio combined with video in HDMI connection.
HDMI Video Output	Supports HDMI displays, such as a TV or video projectors up to 1920 x 1080 resolution.	
HDMI Configuration	Automatically configures to connected display.	
HDMI Resolution	Pixel for pixel HD resolution input to connected device.	
HDMI Connection	Via included DVI-D male to HDMI Type A female adaptor. Plug into HDLink when connecting to HDMI devices. HDMI video supports HDMI audio.	Via included DVI-D male to HDMI Type A female adaptor. Plug into HDLink when connecting to HDMI devices. HDMI video supports HDMI audio.
Gamma Correction	Independently adjustable 3D lookup tables per color component. Interactive real time adjustment of lookup tables.	Independently adjustable 3D lookup tables per color component. Interactive real time adjustment of lookup tables.
Updates and Configuration	USB 2.0 High Speed (480Mb/s) interface.	
<b>Standards</b>		
HD Format Support via DVI -D	1080PsF23.98, 1080PsF24, 1080i48, 1080i50, 1080i59.94, 1080i60, 720p50, 720p59.94, 720p60, 2048 x 1556p23.98 and 2048 x 1556p24.	

HD Format Support via HDMI	1080i50, 1080i59.94, 1080i60, 720p50, 720p59.94 and 720p60.
SD Format Support via DVI -D	625/25 PAL and 525/29.97 NTSC.
SD Format Support via HDMI	625/25 PAL and 525/29.97 NTSC.
SDI Compliance	SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 425M-B, ITU-R BT.656 and ITU-R BT.601.
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.

Extras	
Software Control	HDLink Utility included free for Windows XP, Windows Vista and Mac OS X Universal Binary for Intel and PowerPC based Macs.
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. Scale up HD to fill display.
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 digital type connection to LCD computer monitor or HDMI Type A digital type connection to HDMI display, e.g. TV or video projector.
Resolution via DVI -D	1920 x 1200 required for HD1080 video SDI formats. 1280 x 800 recommended for HD720 video SDI formats. Please note that few, if any, DVI-D displays support 720p50. 2560 x 1600 required for 2K feature film formats.
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> Please note, that the native resolution of an HDMI display will often be less than full resolution HDTV, even if the display is rated to accept HDTV signals. This is a physical limitation of the display itself and full-resolution HDMI displays, or DVI-D displays, should be considered if pixel for pixel video is required. Please also note that only a small percentage of HDMI displays support 720p50.
Refresh Frame Rate for DVI	Nominal 60Hz, however 48 to 72 Hz recommended.

