

Product Matrix



	Intensity	Intensity Pro	DeckLink HD Extreme	Multibridge Pro	Multibridge Eclipse
Connections					
SDI Video Input	–	–	1 x 10 bit SD and HD.	2 x 10 bit SD, HD, 3Gb/s HD and 2K switchable. Usable as Dual Link HD-SDI for 4:2:2 or 4:4:4 connection or 3 Gb/s for HD-SDI 4:4:4 or 2K.	
SDI Video Output	–	–	2 x 10 bit SD and HD.	2 x 10 bit SD, HD, 3Gb/s HD and 2K switchable. Usable as Dual Link HD-SDI for 4:2:2 or 4:4:4 connection or 3 Gb/s for HD-SDI 4:4:4 or 2K.	
Supported SDI Formats	–	–	525 NTSC, 625 PAL, 720HD and 1080HD switchable.	525 NTSC, 625 PAL, 720HD, 1080HD and 2K 2048 x 1556 switchable.	
Analog Video Input	–	Component YUV, NTSC, PAL and S-Video switchable between SD and HD in Component.			
Analog Video Output	–	Component YUV, NTSC, PAL and S-Video switchable between SD and HD in Component.			
Supported Analog Formats	–	525 NTSC, 625 PAL, 720HD and 1080HD switchable.			
SDI Audio Input	–	–	16 Channels in HD on Mac OS X™, 8 Channels in HD on Windows™, 8 channels in standard definition. Full support for the maximum 6 channels in Adobe® Premiere Pro®.	16 Channels in HD and 2K capture and playback mode. 8 Channels supported in SD. 16 Channels de-embedding supported from SDI input in converter mode.	
SDI Audio Output	–	–	16 Channels in HD on Mac OS X™, 8 Channels in HD on Windows™, 8 channels in standard definition. Full support for the maximum 6 channels in Adobe® Premiere Pro®.	16 Channels in HD and 2K capture and playback mode. 8 Channels supported in SD. 16 Channels embedding supported to SDI output in converter mode.	
Analog Audio Input	–	2 Channel RCA HiFi audio at 24 bit.	2 Channels of professional balanced XLR analog audio.	2 Channels of professional balanced XLR analog audio.	4 Channels of professional balanced XLR analog audio.
Analog Audio Output	–	2 Channel RCA HiFi audio at 24 bit.	2 Channels of professional balanced XLR analog audio.	2 Channels of professional balanced XLR analog audio. 2 Channels of unbalanced RCA analog audio for monitoring.	4 Channels of professional balanced XLR analog audio. 2 Channels of unbalanced RCA analog audio for monitoring.
AES/EBU Audio Input	–	–	2 Channels unbalanced AES/EBU compatible with S/PDIF digital audio.	4 x inputs on DB-25 for 8 audio channels. Sample rate converted.	6 x inputs on XLR connectors for 12 audio channels. Sample rate converted.
AES/EBU Audio Output	–	–	2 Channels unbalanced AES/EBU compatible with S/PDIF digital audio.	4 x outputs on DB-25 for 8 audio channels.	6 x outputs on XLR connectors for 12 audio channels.
HDMI Video Input	HDMI connection supports HDMI capture from HDMI compatible cameras, set top boxes, decks and video games. SD and HD switchable.		–	HDMI connection supports HDMI capture from HDMI compatible cameras, set top boxes, decks and video games. SD and HD switchable.	
HDMI Video Output	HDMI connection supports HDMI digital compatible displays, such as a TV or video projector. Includes both audio and video. SD and HD switchable.		–	HDMI connection supports HDMI digital compatible displays, such as a TV or video projector. Includes both audio and video. SD and HD switchable.	
HDMI Audio Input	2 Channels	2 Channels	–	2 Channels	2 Channels
HDMI Audio Output	2 Channels	2 Channels	–	2 Channels	2 Channels

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Connections						
HDMI Configuration	HDMI automatically configures to connected device.			–	HDMI automatically configures to connected device.	
HDMI Resolution	Full resolution pixel for pixel HD resolution input to connected device.			–	Full resolution pixel for pixel HD resolution input to connected device.	
HDMI Color Precision	4:2:2	4:2:2		–	4:2:2 10 bit Y,B-Y,R-Y and 10 bit RGB.	
Multi Rate Support	HDMI switches between standard definition and high definition.	HDMI and component video connections are switchable between standard and high definition.		SDI and component analog video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI and 1.5 Gb/s HD-SDI.	SDI and component analog video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI and 3 Gb/s HD and 2K SDI.	
2K Film Support	–	–		2K playback at 24fps and 23.98fps cropped to 1920 x 1080.	2K capture and playback at 24fps and 23.98fps at full resolution 2048 x 1556 via 3 Gb/s SDI connection.	
Sync Input	–	–		Blackburst in SD or TriSync HD.		
Device Control	None required. Some cameras and decks support your computer's built in FireWire™ device control when capturing via HDMI.			Sony™ compatible RS422 deck control port. Serial ports TxRx direction-reversible under software control.		

Video Standards				
SD Format Support	625/25 PAL and 525/29.97 NTSC.		625/25 PAL, 525/29.97 NTSC and 525/23.98 NTSC.	
HD Format Support	1080i50, 1080i59.94, 720p50 and 720p59.94.		720p50, 720p59.94, 720p60 , 1080PsF23.98/24, 1080i48, 1080i50 and 1080i59.94.	
2K Format Support	–	–	2K playback at 24fps and 23.98fps cropped to 1920 x 1080.	2K capture and playback at 24fps and 23.98fps at full resolution 2048 x 1556 via 3 Gb/s SDI connection.
SDI Compliance	–	–	SMPTE 292M, SMPTE 259M, SMPTE 296M, ITU-R BT.656, ITU-R BT.601 and SMPTE 372M.	
Video Sampling	4:2:2	4:2:2	4:2:2 and 4:4:4	4:2:2 and 4:4:4
Color Precision	4:2:2	4:2:2	4:2:2 10 bit	4:2:2 10 bit and 4:4:4 10 bit
Color Space	4:2:2 YUV	4:2:2 YUV	4:2:2 YUV and 4:4:4 RGB	4:2:2 YUV, 4:4:4 YUV and 4:4:4 RGB
SDI Metadata Support	–	–	VITC read for 3:2 pulldown removal. VANC capture and playback using up to 3 lines of video in file. HD RP188.	VITC read for 3:2 pulldown removal with DeckLink driver. VANC capture and playback using up to 3 lines of video in file when used with DeckLink driver. HD RP188.
SDI or HDMI Audio Sampling	Television standard sample rate of 48 kHz and 24 bit.			
Colourspace Conversion	Hardware based real time.			
HD Down Conversion	Real time 1080HD and 720HD to standard definiton down conversion during video playback. Real time 1080HD and 720HD to standard definition down conversion during video capture. Anamorphic and letter box formats selectable.			

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Processing					
HD Up Conversion	Real time standard definiton to 1080HD and 720HD up conversion during video capture. Real time 720HD to 1080HD up conversion during video playback.				
Real Time Effects	Apple Final Cut Pro™ internal effects on Mac OS X™. Adobe® Premiere Pro® internal effects in DV, MJPEG and uncompressed edit formats on Windows™ and Mac OS X™.				
DeckLink Driver Extras					
Configuration Software	Blackmagic Design System Preference and Control Panel.				
Software Included	Media Express, Disk Speed Test and driver software.		Deck Control, Disk Speed Test, LiveKey, FrameLink and Blackmagic driver.	Deck Control, Disk Speed Test, FrameLink and Blackmagic driver.	
Installation	PCI Express 1 lane, compatible with 1,4,8,16 lane PCI Express slots. Please see the full system requirements for Mac OS X™ and Windows™.		PCI Express 4 lane, compatible with 4,8,16 lane PCI Express slots. Please see the full system requirements for Mac OS X™ and Windows™.	PCI Express 4 lane, compatible with 4,8,16 lane PCI Express slots. Connected via PCI Express cable and plug in adapter card. Please see the full system requirements for Mac OS X™ and Windows™.	
Extras					
USB Software Control	–	–	–	Multibridge Utility included free for Windows™ and Mac OS X™.	
Firmware Upgrade	Firmware for cards built into software driver. Loaded at system start or via updater software. Software downloadable from Blackmagic Design's website.		Firmware for cards built into software driver. Loaded at system start or via updater software.		
Installation	–	–	–	Reversible Rack Mount. Adhesive rubber feet included.	
Product Warranty	1 Year Limited Manufacturer's Warranty.		3 Year Limited Manufacturer's Warranty.		
Pricing					
US International	US\$279	US\$379	US\$1,045	US\$1,675	US\$3,675
Europe	€235	€279	€795	€1275	€2755