

Connections	Multibridge Pro™	Multibridge Eclipse™
SDI Video Input	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, 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, 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 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 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 Channels of professional balanced XLR analog audio.	4 Channels of professional balanced XLR analog audio.
Analog Audio Output	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	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	4 x outputs on DB-25 for 8 audio channels.	6 x outputs on XLR connectors for 12 audio channels.
HDMI Audio Input	2 Channels.	2 Channels.
HDMI Audio Output	2 Channels.	2 Channels.
Audio Capture Support	16 Channels in HD and 2K, 8 channels in standard definition.	
Audio Playback Support	16 Channels in HD and 2K, 8 channels in standard definition.	
HDMI Video Input	Direct HDMI connection supports HDMI capture from HDMI compatible cameras, set top boxes, decks and video games.	
HDMI Video Output	Direct HDMI connection supports HDMI digital compatible displays, such as a TV or video projector. Includes both audio and video.	
HDMI Configuration	HDMI automatically configures to connected display.	
HDMI Resolution	Pixel for pixel HD resolution input to connected device.	
HDMI Color Precision	4:2:2 10 bit.	
Multi Rate Support	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	2048 x 1556 at 24fps and 23.98fps capture and playback via SDI.	
Sync Input	Blackburst in SD or TriSync HD.	
Device Control	Sony™ compatible RS422 deck control port. Serial ports TxRx direction-reversible under software control.	

Video Standards	
SD Format Support	625/25 PAL, 525/29.97/23.98 NTSC.
HD Format Support	720p50, 720p59.94, 1080PsF23.98/24, 1080i48, 1080i50 and 1080i59.94.
2K Format Support	2048 x 1556/23.98 and 24.
SDI Compliance	SMPTE 292M, SMPTE 259M, SMPTE 259M, SMPTE 296M, SMPTE 425M-B, ITU-R BT.656, ITU-R BT.601 and SMPTE 372M.
Video Sampling	4:2:2 and 4:4:4 SDI switchable.
Color Precision	4:2:2 10 bit and 4:4:4 10 bit.
Color Space	4:2:2 YUV and 4:4:4 RGB.
Analog Composite	NTSC/PAL 14 bit and 5x Over-sampled Output.
SDI Metadata Support	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 Audio Sampling	Television standard sample rate of 48 kHz and 24 bit.
Copy Protection	For legal reasons, capture devices from Blackmagic Design are designed not to capture, convert or transmit video or audio from copy-protected sources, e.g. video devices using HDCP.

Processing	
Colorspace Conversion	Hardware based real time.
HD Down Conversion	Supports playback from HD to SD. Supports down conversion on capture from HD video input to SD files. Anamorphic and letter box formats selectable.
HD Up Conversion	Supports capture from SD and 720HD video input to 1080HD files.
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.

DeckLink Driver Extras	
Configuration Software	Blackmagic Design System Preference and Control Panel.
Software Included	Deck Control, Disk Speed Test and Blackmagic driver.
Installation	Connected via PCI Express cable and plug in adapter card on compatible PCIe Windows systems. Connected via PCI Express cable and plug in adapter card on PCIe Apple Mac OS X systems. Please see the full system requirements for Mac OS X and Windows .

Extras	
Software Control	Multibridge Utility included free for Windows XP™, Windows Vista™ and Mac OS X™.
Firmware Upgrade	Automatically upgrades when new software is installed.
Installation	Rack Mount. Adhesive rubber feet included.
Product Warranty	3 Year Limited Manufacturer's Warranty.

Models



MultibrIDGE Pro



MultibrIDGE Eclipse