

Connections	SDI to Analog	SDI to HDMI	HDMI to SDI	Analog to SDI	SDI to Audio	Audio to SDI	Optical Fiber	Broadcast Converter	Sync Generator
SDI Video Input	Switchable between SD, HD and 3 Gb/s SDI.								
SDI Redundant Input	Automatically switches over if main SDI input is lost.		None	None		Automatically switches over if main SDI input is lost.	None	None	None
SDI Video Outputs	Switchable between SD, HD and 3 Gb/s SDI.								
Optical Fiber Video Input	None	None	None	None	None	None	1 x 10 bit SD/HD/3 Gb/s SDI switchable.	None	None
Optical Fiber Video Output	None	None	None	None	None	None	1 x 10 bit SD/HD/3 Gb/s SDI switchable.	None	None
Multi Rate Support	Auto detection of HD or standard definition SDI inputs.								
Updates and Configuration	Via USB 2.0 high speed. (480 Mb/s)								
Re-clocking	Yes								
Optical Fiber Audio Input	None	None	None	None	None	None	8 channel embedded.	None	None
Optical Fiber Audio Output	None	None	None	None	None	None	8 channel embedded.	None	None
Analog Audio	2 channels of professional balanced analog audio with standard 1/4 inch jack connections.				4 channels of professional balanced analog audio with standard 1/4 inch jack connections.			2 channels of professional balanced analog audio with XLR connections.	
AES/EBU Digital Audio	2 channels of professional balanced digital with standard 1/4 inch jack connections.				8 channels of professional balanced digital with standard 1/4 inch jack connections.			None	None
HDMI	None	HDMI out	HDMI in	None	None	None	None	HDMI in and out	None
Analog Video	Component, NTSC, PAL and S-Video from SD-SDI input. Component HD from HD-SDI input.	None	None	Component SD/HD, NTSC, PAL and S-Video.	None	None	None	Component, NTSC, PAL and S-Video.	None

Standards

SDI Format Support	625/25 PAL, 525/29.97 NTSC, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080i50, 1080i59.94, 1080i60, 720p50, 720p59.94 and 720p60.	None
SDI Compliance	SMPTE 292M, SMPTE 259M, SMPTE 296M, ITU-R BT.656, ITU-R BT.601 and SMPTE 297M for Optical Fiber SDI.	None
SDI Video Sampling	4:2:2	None
SDI Video Rates	SDI video connections are switchable between standard definition and high definition.	
SDI Color Precision	4:2:2	None
SDI Color Space	YUV	None
SDI Audio Sampling	Television standard sample rate of 48 kHz and 24 bit.	None
SDI Auto Switching	Automatically selects between SD SDI, HD-SDI and 3 Gb/s SDI.	
Analog Format Support	625/25 PAL, 525/29.97 NTSC, 1080PsF23.98, 1080PsF24, 1080i50, 1080i59.94, 1080i60, 720p50, 720p59.94 and 720p60.	625/25 PAL, 525/29.97 NTSC, 1080PsF23.98, 1080PsF24, 1080i50, 1080i59.94, 720p50 and 720p59.94.
Analog Color Precision	4:2:2	None
Analog Color Space	YUV	None
HDMI Format Support	625/25 PAL, 525/29.97 NTSC, 625/50p PAL, 525/59.94p NTSC, 1080p23.98/24, 1080i50, 1080i59.94/60, 720p50 and 720p59.94/60.	None
HDMI Color Precision	4:2:2 and 4:4:4	None
HDMI Color Space	YUV and RGB	None
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.	

Extras

Software Control	Mac OS X™ and Windows™ software upgrade via USB.		
Settings Control	Mini Switches or USB software.	Via USB software.	Mini Switches or USB software.
Firmware Upgrade	Via included firmware updater application.		
Power Supply	+12V universal power supply included. Cable tie point.		
Product Warranty	3 Year Limited Manufacturer's Warranty.		