

# Intensity

Affordable full resolution SD/HD capture and playback for HDMI and analog video!



## Capture and play back full resolution HDTV video for true broadcast and feature film quality editing

Intensity Pro and the new Intensity Shuttle with USB 3.0, let you capture and playback in the most incredible quality of HDMI and component analog video in both SD and HD. Smash the quality barrier for your video work because Intensity is not only the highest quality, but also affordable! The new Intensity Shuttle even works on your USB 3.0 based computer for full 10 bit quality even in HD!

Go beyond the limits of your AVCHD or HDV camera! Simply plug in using HDMI or analog and capture direct from your camera's CCD! You get incredible quality that completely bypasses the camera's video compression. Use Intensity for monitoring from your edit software for maximum real time effects! Intensity connects direct to your editing software's real time effects processing!

### Intensity Pro

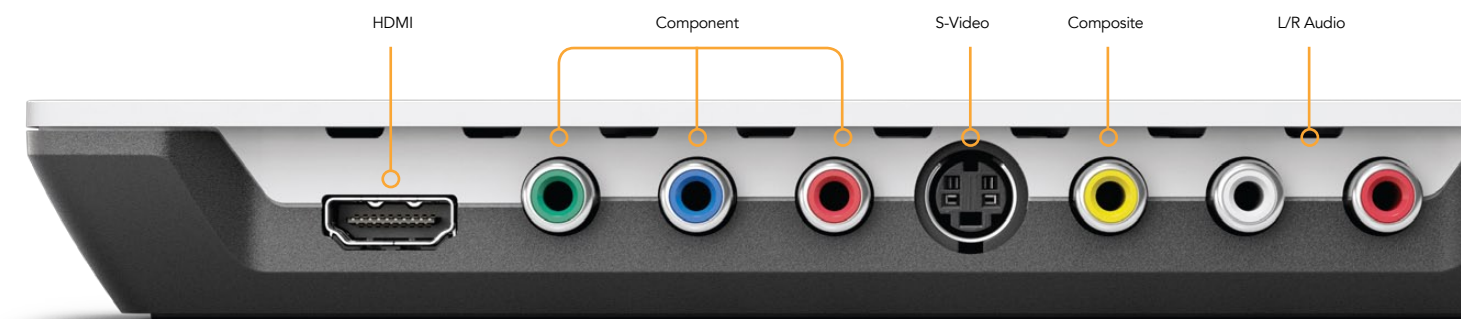
Intensity Pro is the world's first HDMI and analog component, NTSC/PAL and S-Video PCIe capture and playback card for Windows, Mac OS X and Linux computers. Intensity Pro is great for HDTV or standard definition editing using big screen televisions and video projectors. Intensity Pro works with uncompressed SD or HD video, and compressed codecs such as ProRes, DVCPRO HD, DVCPRO 50, JPEG, HDV and DV!

Intensity Pro is a professional editing card featuring maximum real time effects in Apple Final Cut Pro™ and Adobe Premiere Pro™, with full support for both uncompressed and compressed AVI and QuickTime files. Intensity Pro also has full integration with Adobe After Effects, Photoshop and Fusion.

**\$199**



**Breakout Cable**  
Includes component/composite video and audio connections



**Loads of Connections**  
Connect to HDMI, component, composite, s-video and audio equipment!



**New USB 3.0**  
For highest quality 10 bit SD and HD!

### Intensity Shuttle

Intensity Shuttle, the world's first 10 bit HD/SD editing solution for USB 3.0 computers! Simply plug in Intensity Shuttle and get access to incredible quality 10 bit HDMI, analog component, composite and s-video capture and playback. Intensity Shuttle's innovative design is compact and portable, plus you can plug inline with your cables because input connections are on one side, and output connections on the other!

Intensity Shuttle powers from the USB 3.0 connection so you don't need cumbersome power supplies. Intensity Shuttle comes ready with advanced video technology such as HDMI 1.3 and 1080p electronics, so it will grow as faster high performance USB 3.0 computers are released in the future!

**\$199**



#### Direct HDMI Connections

Connecting to cameras and digital set top boxes via HDMI for the highest quality. Get incredible quality video from cameras by capturing direct and bypassing the compression chip for professional quality video captured direct from the image sensor. As editing software can't play back to AVCHD and HDV cameras for monitoring, Intensity is ideal to use for monitoring edits with real time effects on the latest big screen televisions and video projectors by connecting to the built in HDMI out.



#### Professional Video Standards

Intensity will instantly switch between HD and SD video standards including HDTV 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, NTSC and PAL. Intensity can also capture and play back all professional file formats so you can deliver finished television programs, music videos and other work at broadcast standards. Add broadcast quality to your editing system and move to a new world of video editing where your images always stay absolutely perfect at full resolution HDTV!



#### More HD Real Time Effects

Intensity Pro and Shuttle let you create as fast as your mind works, because you get more online quality HD real time effects!

Unlike FireWire that is only half the data speed of HD video and needs to use heavy video compression to handle HD, PCI Express and USB 3.0 eliminates this problem because it's faster than HD video. This means Intensity doesn't waste CPU time compressing video just for playback, so all your CPU time is dedicated to more HD real time effects.



#### Use popular Video Software

Intensity Pro works with the software you love to use! Use DirectShow™ and QuickTime™ software, or the world's most popular editing software such as Final Cut Pro™ and Premiere Pro™! You also get Photoshop™ plug-ins to grab and output frames, plus real time preview in After Effects™, Fusion™ and Nuke™. Intensity Shuttle supports Windows USB 3.0 computers and fully integrates with Premiere Pro, Photoshop, After Effects, Fusion, Nuke and more!



Includes Media Express for capture and playback

**Playlist in playback mode**  
You can load in a huge number of clips for review. Use DPX, MJPEG, uncompressed YUV, ProRes, and DVCPRO HD all in the one playlist.

**Realtime Preview**  
Preview your clips with full frame rate for accurate review.

**Audio metering**  
With Media Express you can select any of the audio channels. Just simply click on the audio you want to hear.

**Capture or Play**  
Capture on the fly. Play back single or multiple clips.

**Dynamic Playlist Search**  
Organising your playlist has never been easier with Media Express's dynamic playlist search. Even if you have 1,000 clips, you'll always find the right clip.

**Clip Information**  
Now you can see all the important detail information of your clip, including frame size, frame rate, color space, format and codec.

**Easy Grab Frame Tool**  
Media Express makes grabbing frames of your video easy. When the frame you want is displayed in the preview window, just hit grab frame.



Includes Blackmagic Media Express!

Intensity Pro includes Media Express so you can capture and play back video fast! Use Media Express to work with professional file formats for maximum quality. Capture and play back DPX, ProRes, uncompressed YUV, DVCPRO HD and MJPEG files. You can even create your own playlist. Media Express is fast and easy to use and works on Mac OS X™, Windows™ and Linux. Intensity Shuttle supports Windows™ USB 3.0 computers for uncompressed, compressed and DPX video. You can also grab still frames directly from the Intensity video input!

Intensity Pro	Intensity Shuttle
<b>Connections</b>	
Digital Video Input: 1 x HDMI input. For legal reasons HDMI input is unable to capture from copy protected HDMI sources.	
Digital Video Output: 1 x HDMI output.	
Supported HDMI formats: 525 NTSC, 625 PAL, 720HD and 1080HD switchable.	
HDMI Audio Input: 2 Channels.	HDMI Audio Input: 8 Channels.
HDMI Audio Output: 2 Channels.	HDMI Audio Input: 8 Channels.
Analog Video Input: Component, NTSC, PAL or S-Video.	
Analog Video Output: Component, NTSC, PAL or S-Video.	
Analog Audio Input: 2 Channel RCA HiFi audio in 24 bit.	
Analog Audio Output: 2 Channel RCA HiFi audio in 24 bit.	
SPDIF Audio Output: 2 Channel 24 bit.	SPDIF Audio Output: None
Dual Rate support: HDMI and Analog Component switches between high definition and standard definition.	
Sync Input: None	
Device Control: None. FireWire may be used for controlling some cameras.	
Computer Interface: PCI Express 1 lane, compatible with 1,4,8 and 16 lane PCIe slots.	Computer Interface: USB 3.0
<b>Standards</b>	
SD Format Support: 625i/50 PAL and 525i/59.94 NTSC.	SD Format Support: 625i/50, 625p PAL and 525i/59.94, 525p NTSC, 480p.
HD Format Support: 1080i50, 1080i59.94, 720p50 and 720p59.94.	HD Format Support: 1080i50, 1080i59.94, 1080i60,1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 720p50, 720p59.94, 720p60
HDMI Video Sampling: 4:2:2.	
HDMI Color Precision: 4:2:2.	
HDMI Color Space: YUV 4:2:2.	
HDMI Audio Sampling: Television standard sample rate of 48 kHz and 24 bit.	
<b>Processing</b>	
Colorspace Conversion: Hardware based real time.	
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.	Real time effects: Adobe® Premiere Pro® internal effects in DV, MJPEG and uncompressed edit formats.
<b>Extras</b>	
Firmware Upgrade: Firmware built into software driver. Loaded at system start, or via updater software.	
Installation: PCI Express 1 lane, compatible with 1,4,8,16 lane PCI Express slots on Mac, Windows and Linux. Please check the Blackmagic Design web site for system compatibility information.	Installation: USB 3.0. Requires x86 based computer or better with a USB 3.0 connection. Does not support USB 2.0 capture and playback.
Operating System Compatibility: Compatible with Microsoft Windows™, Apple Mac OS X and Linux.	Operating System Compatibility: Compatible with Microsoft Windows™.
Product Warranty: 12 Months Limited Warranty.	