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## Intensity PRO & SHUTTLE

|                                       | Intensity Pro™  | Intensity Shuttle™  |
|---------------------------------------|---|---|
| <b>Connections</b>                    |   |   |
| <b>Digital Video Input</b>            | 1 x HDMI input.   | 1 x HDMI input.   |
| <b>Digital Video Output</b>           | 1 x HDMI output.  | 1 x HDMI output.  |
| <b>Supported HDMI formats</b>         | 525 NTSC, 625 PAL, 720HD and 1080HD switchable.   |   |
| <b>HDMI Audio Input</b>               | 2 Channels.   | 8 Channels.   |
| <b>HDMI Audio Output</b>              | 2 Channels.   | 8 Channels.   |
| <b>Analog Video Input</b>             | Component, NTSC, PAL or S-Video.  | Independent connections for component and composite and s-video.  |
| <b>Analog Video Output</b>            | Component, NTSC, PAL or S-Video.  | Independent connections for component and composite and s-video.  |
| <b>Analog Audio Input</b>             | 2 Channel RCA HiFi audio in 24 bit.   |   |
| <b>Analog Audio Output</b>            | 2 Channel RCA HiFi audio in 24 bit.   |   |
| <b>SPDIF Audio Output</b>             | 2 Channel 24 bit.   | None  |
| <b>Dual Rate support</b>              | HDMI and Analog Component switches between high definition and standard definition.   |   |
| <b>Sync Input</b>                     | None  | None  |
| <b>Device Control</b>                 | None. FireWire may be used for controlling some cameras.  |   |
| <b>Computer Interface</b>             | PCI Express 1 lane, compatible with 1, 4, 8 and 16 lane PCIe slots.   | USB 3.0   |
| <b>Standards</b>                      |   |   |
| <b>HD Format Support</b>              | 1080i50, 1080i59.94, 1080p23.98, 1080p24, 720p50 and 720p59.94.   | 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 720p50, 720p59.94, 720p60  |
| <b>SD Format Support</b>              | 625i/50 PAL and 525i/59.94 NTSC.  | 625i/50, 625p PAL and 525i/59.94, 525p NTSC, 480p.  |
| <b>HDMI Video Sampling</b>            | 4:2:2   | 4:2:2   |
| <b>HDMI Color Precision</b>           | 4:2:2   | 4:2:2   |
| <b>HDMI Color Space</b>               | YUV 4:2:2   | YUV 4:2:2   |
| <b>HDMI Audio Sampling</b>            | Television standard sample rate of 48 kHz and 24 bit.   |   |
| <b>Copy Protection</b>                | For legal reasons HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content. |   |
| <b>Processing</b>                     |   |   |
| <b>Colorspace Conversion</b>          | Hardware based real time.   |   |
| <b>HD Down Conversion</b>             | Real time 1080HD and 720HD to standard definition during video playback. Selectable between letterbox, anamorphic 16:9 and center cut 4:3.                        |   |
| <b>HD Up Conversion</b>               | Real time standard definition to 1080HD and 720HD during video capture.   |   |
| <b>Real Time Effects</b>              | Apple Final Cut Pro™ internal effects on Mac OS X™. Adobe® Premiere Pro® internal effects in DV, DVCPRO HD, MJPEG and uncompressed edit formats.                  | Adobe® Premiere Pro® internal effects in DV, DVCPRO HD, MJPEG and uncompressed edit formats.  |
| <b>Extras</b>                         |   |   |
| <b>Firmware Upgrade</b>               | Firmware built into software driver. Loaded at system start, or via updater software.   |   |
| <b>Installation</b>                   | Installation: PCI Express 1 lane, compatible with 1,4,8,16 lane PCI Express slots on Mac OS X, Windows and Linux.   | Installation: USB 3.0. Requires an x58 based motherboard with onboard USB 3.0, or a USB 3.0 PCI Express card and an x58 or P55 series motherboard. Does not support USB 2.0 capture and playback. |
| <b>Operating System Compatibility</b> | Compatible with Microsoft Windows™, Apple Mac OS X and Linux.   | Compatible with Microsoft Windows™.   |