

- Dual Thunderbolt™ ports
- •Two 3G/HD/SD-SDI inputs and outputs
- •Single link SDI 4:2:2 support,
- single and dual-link SDI 4:4:4 support •HDMI input and output (including support for 3D)
- •Analog HD/SD component and composite output, 10-bit
- Video Up, Down and Cross conversion (hardware-based, 10-bit)
- •8-channel embedded SDI audio I/O and balanced analog audio output (using an optional DB-25 type cable)
- •Front panel LED VU meters
- Headphone output with level control
- •Reference In/LTC In (selectable), LTC output and RS-422
- •4-pin XLR Power (AC adapter included)
- Thunderbolt[™] cables not included



IOXT Thunderbolt™ interface, 10-bit, 3GB (Mac)....... 1495.00



AJA KONA LHI

- •3G/HD/SD SDI input/output •HDMI v1.3a with Deep Color at 30 bits per pixel input/output
- •12-bit HD analog component input/output
- •12-bit SD analog component, composite or S-Video input/output
- •10-bit Hardware-based realtime up/down/cross-conversions
- DVCPRO HD hardware acceleration
- · Dynamic RT hardware acceleration
- •2-channel balanced XLR AES digital audio and 2-channel balanced XLR analog audio input/output
- •8-channel SDI-embedded audio input/output
- •HD/SD genlock and RS422 machine control
- •LTC input (on Reference input)
- Support for Final Cut Pro, Adobe applications and more
- · Breakout cables standard. affordable breakout box optional

KONA-LHI PCIe capture card, HDMI and







THORIZED SELLEF



PCI Express architecture

Blackmagicdesign

INTENSITY PRO

BLACKMAGIC DESIGN

•HDMI digital video and audio I/O

Capture direct from HDV cameras

bypassing HDV compression chips

•Capture true 1920x1080 uncompressed

- •Includes On-Air 2.0 software (Mac only) Analog video component, NTSC, PAL or S-Video I/O
- •2 channels RCA audio I/O and S/PDIF output

INTENSITY-PRO....HDMI capture and playback

Blackmagicdesign

BLACKMAGIC DESIGN

DECKLINK HD EXTREME 3D+™

 New HDMI 1.4 capture and playback •SD and HD SDI, HDMI and analog component

Realtime 2K capture and playback

Direct HDMI connection supports HDMI

set-top boxes, decks and video games

•2 channels of balanced XLR audio, 2 channels of AES/EBU digital audio

·Simultaneous HD and SD playback

RS422 deck control

capture from HDMI-compatible cameras,

•Supports full HD keying, 2K film and 1080p video formats

•PCI Express 4-lane, compatible with 4-,8-,16-lane PCIe slots

Includes Disk Speed Test, LiveKey, Blackmagic driver

•Dual Link and the new 3GB/s SDI for 4:4:4 quality

•Will NOT capture from copy protected HDMI sources









































- •2 SD/HD/3G SDI inputs
- and 2 SD/HD/3G SDI outputs
- •HDMI 1.4a output for 3D workflows •Analog video output of Y,Pb,Pr, or
- R,G,B, or CVBS and Y, C
- •16-channel SDI embedded audio I/O
- •Up to 16-channel AES digital audio I/O (8 with breakout cable or 16 w/optional K3G-Box)
- •Terminating video reference input
- . Separate LTC input and output ports
- •Master or slave-configurable RS422 control port
- ·Video up, down, and cross conversion
- •Internal hardware keyer
- •2K video format support

AJA KONA LHE PLUS

•HD-SDI, analog HD/SD

composite S-Video I/O

XLR analog audio I/O

Combustion and more

•12-bit HD analog component I/O

•10-bit hardware HD to SD down conversion

•2-ch balanced XLR AES and 2-ch balanced

•HD/SD Genlock and RS-422 machine control

•KONA LHe Plus Breakout Cables supplied

•HD-SDI input and SDI/HD-SDI outputs

12-bit SD analog component or

•8-ch SDI embedded audio I/O

• Final Cut Pro, Motion, After Effects,



KUNA3G	. PCIe car	iture card	(Mac/h	'C)		1995.00
K3G-BOX	. External	breakout	box for	KONA3G,	1RU	395.00



ΔΙΔ ΙΩΗΝ

- •Apple ProRes 422/HQ Codec
- •SD, HD 720/1080, full-raster 10-bit 4:2:2, realtime, in hardware
- •Up/down/cross-conversion, 10-bit, realtime, in hardware
- •SD-SDI and HD-SDI I/O (2)
- •Component (SD and HD) and S-video I/O
- •HDMI video with 2-channel audio I/O
- •Embedded SDI 8-channel audio I/O
- •AES/EBU 8-channel unbalanced audio I/O
- Analog 4-channel balanced audio I/O (XLR). Analog 2-channel unbalanced audio output (RCA)
- •Genlock with loopthrough, RS-422 machine control, LTC Timecode I/O
- Connects to Mac via a single FireWire 800 cable





AJA IO EXPRESS

- HD/SD-SDI input/output
- •HDMI v1.3a with Deep Color support at 30- and 36-bits per pixel •HD/SD component video output
- •2-channel RCA audio output
- LTC I/O (selectable LTC Input/ Reference Video Input), RS422
- •Expresscard/PCIe interfaces, over 1-lane PCIe cable (Expresscard standard, PCIe card version available for Mac Pro or Windows workstation)
- •For Mac OSX and Windows XP/Vista/7
- Support for Final Cut Studio and Adobe CS
- •3-meter PCIe tether cable
- •12v DC power supply



IO-EXPRESS Portable video/audio, express card	995.0
IO-EXPRESS-PCIE Portable video/audio interface, PCIE	995.0





DECKLINK STUDIO & SDI SDI solution, perfect for use with SDI decks/routers

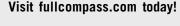
DECKLINK-HD-EXT-3D+ .. Hi-definition PCI express video capture card without genlock..

- •Incredible quality HD/SD-SDI capture and playback
- •10-bit SDI video card
- Works in both SD and HD
- · Includes blackburst, tri-sync reference input
- . HD/SD-SDI input and output, reference in, and deck control RS-422 connections
- •8 channels of SDI embedded audio and RS422 deck control Studio version adds analog component, composite, S-Video,
- 4 channel balanced analog audio, 2 channels AES/EBU, Studio version also adds built-in hardware down conversion (down converter always outputs to SD-SDI, Composite and S-Video outputs when working in HD video formats)
- •Windows or Intel-based Mac Pro compatible

	DECKLINK-SDISD/HD-SDI capture
	and playback PCle card
NJA.	DECKLINK-DUODual HD/SD-SDI capture
ITHORIZED ESELLER	and playback PCle card 470.25
ESELLER	DECKLINK-OPTI-FIBER As Decklink SDI,
	with optical fiber I/O
rd 995.00	DECKLINK-STUDIO-II SD/HD-SDI/analog capture
PCIE 995.00	and playback PCle card



KONA-LHE-PLUS	PCle video capture card (Mac/PC)	995.00
KLBOX-LH	Breakout box (optional)	299.00





















































- •3GB/s SDI monitoring solution for HD and 2K on DVI or HDMI displays
- •SDI 4:2:2, 4:4:4 and 2K support
- •Video formats supported on DVI or DisplayPort displays: 2K 2048 x 1556 at 23.98PsF, 24PsF. 1080 lines at 23.98PsF, 24PsF, 25PsF, 48i, 50i, 59.94i, 60i. 720 lines at 50p, 59.94p, 60p. Standard Definition NTSC and PAL
- •Video formats supported on HDMI Displays: 1080 HD at 23.98PsF, 24PsF, 25PsF, 48i, 50i, 59.94i, 60i. 720 lines at 50p, 59.94p, 60p. Standard Definition NTSC and PAL
- •Color precision support: 4:2:2 10-bit, 4:4:4 10-bit and 2K 10-bit. Color space support: 4:2:2 YUV, 4:4:4 RGB and 2K RGB
- •Adaptive pull-down processor guarantees smooth motion display on DVI-D computer displays
- 6-channel analog 24-bit audio output using RCA connectors de-embedded from SDI input
- Firmware upgrade via USB 2.0 on Mac OS X, Win XP/Vista/7

HDL-DVIPRO 3GB/s	SDI monitoring solution (HD & 2K)	. 470.25
HDL-PRODISPORT	As above, with	
	DisplayPort connection	470.25
HDLINK-OPTICAL-FIBER	As above, with	
	Ontical Fiber connection	755 25

Blackmagicdesign

BLACKMAGIC DESIGN ULTRA STUDIO PRO

- Broadcast-quality SD/HD capture and playback solution
- •USB 3.0 connection
- ·High-speed editing with 4.8GB/s bandwidth
- · Fast video processor for 10-bit quality hardware up, down and cross conversion.
- · Connections include SDI built-in and HDMI, analog component, composite, s-video, 4-channel analog audio, 2-channel AES, EBU audio via 7' breakout cable (included)
- ·Standard definition digital internal keyer
- Includes Black Magic Media Express software

matrox

MATROX MX02 COMPLETE I/O

- HD/SD SDI, HD/SD analog component, Y/C, and composite inputs and outputs •HDMI input, output, and monitoring with
- calibration controls including blue-only Genlock – SD analog black burst (bi-level) or HD tri-level sync
 10-bit real-time hardware up/down/cross conversion
- •5 selectable simultaneous video outputs HD and/or SD on HDMI, SDI, analog
- Professional audio inputs and outputs with 5.1 and 7.1 surround sound monitoring
- •RS422 machine control for
- frame-accurate capture and print-to-tape Supports file-based workflows —
 XDCAM, XDCAM HD, XDCAM EX, P2, P2HD
- Works with Apple Pro Applications and Adobe
 After Effects, Premiere Pro and Encore and all QuickTime
- applications that support the V-out component Includes PCI Express and ExpressCard/34 adapters
 Some models available with MAX H.264 encoding and/or
- Thunderbolt[™] technology

MX02/N Portable I/O	1595.00
MXO2MAX/N Portable I/O, MAX encoding	1995.00
MX02/N/T Portable I/O, Thunderbolt™	1595.00
MX02MAX/N/T . Portable I/O, Thunderbolt, and MAX encoding.	1995.00



INTENSITY SHUTTLE CAPTURE/PLAYBACK DEVICE

- · Capture and playback HDMI and component analog video in SD and HD
- USB 3.0 connection
- •4.8GB/s, handles 10-bit uncompressed 1080p video
- Connect to cameras and digital set top boxes via HDMI
- · Independent connections for component, composite, and S-Video
- Dual rate support allows HDMI and Analog Component to switch between HD and SD
- Thunderbolt[™] model available, powered over Thunderbolt cable





ULTRASTUDIO-PRO...... Capture/playback device, USB 3.0 850.25

ULTRASTUDIO EXPRESS

- •Thunderbolt[™] technology at 10 GB/s data rate
- •10-bit 3G/HD/SD SDI in/out, HDMI in/out, supports SD and HD up to 1080p30
- Up, down and cross conversion
- •Component, S-Video and composite input/output
- •2-channel balanced analog and unbalanced AES/EBU input/output
- •Genlock/tri-sync input and RS-422 deck control
- Supports uncompressed/compressed 8- and 10-bit video capture and playback
- Supports Final Cut Studio, Avid Media Composer, Premiere Pro, Photoshop, After Effects, DaVinci Resolve and more





MATROX MX02 LE



- component, Y/C, and composite inputs and outputs •10-bit HDMI input, output & monitoring with calibration controls including blue-only & 10-bit real-time hardware
- up/down/cross conversion on capture and output Genlock – SD analog black burst (bi-level) or HD tri-level sync
- Up to five-user-selectable simultaneous video outputs-HD and/or SD on HDMI, SDI, and analog
- $\bullet \textbf{File-based workflow support-XDCAM, XDCAM HD,} \\$ XDCAM EX, P2, P2HD
- •RS-422 machine control
- •HD-SDI closed captioning support
- •Use with Industry Standard NLE Software
- •Works with Final Cut Pro, Adobe Premiere Pro, Apple Color, Adobe After Effects and all QuickTime applications that support the V-out component
- •Some models include MAX H.264 encoder and/or Thunderbolt[™] high-speed I/O technology

MX02LE/N/DLE wi	ith	PCle card	995.00	J
MX02LE/N/LLE wi	ith	Express Card 34	. 995.00	D
MX02LE/N/T LE wi	ith	Thunderbolt™ adapter	1095.00	D
MX02LEMAX/N/D LE wi	ith	PCle card and MAX	1395.00	Ú
MX02LEMAX/N/LLE wi	ith	Express Card 34 and MAX	1395.00	J
MX02LEMAX/N/TIF wi	ith	Thunderbolt adapter and MAX	1495.00	i)

INTENSITY-SHUTTLE..... Capture/playback device, USB 3.0 189.05 INTENSITY-SHTL-TBOLT .. Capture/playback device, Thunderbolt™ .. 227.05

ULTRASTUDIO-EXPRESS.. Capture/playback device, Thunderbolt™ . 470.25



- **BLACKMAGIC DESIGN ULTRASTUDIO-3D** Thunderbolt[™] technology at 10 GB/s data rate
- •3G SDI (3 GB/s SDI) in and out,
- supports SD, HD up to 1080p60 and 2K
- •SDI inputs include full SDI re-clocking for capture from poor quality SDI sources
- •HDMI 1.4a in and out, supports SD and HD formats up to 1080p60 and frame packing 3D
- •Hardware based 10 bit Up, Down and Cross Conversion
- ·Component, s-video and composite in and out Component analog switches to s-video and composite
- •2-channel balanced analog and
- AES/EBU unbalanced audio in and out ·Genlock/tri-sync input and RS-422 deck control Supports uncompressed 8 and 10 bit
- and compressed video capture and playback ·Capture/playback of side-by-side, line-by-line, top and bottom and frame packing 3D via HDMI and adds dual
- stream 3D via SDI Supports Final Cut Studio, Avid Media Composer, Premiere Pro, Photoshop, After Effects, DaVinci Resolve and more

ULTRASTUDIO-3D.. Thunderbolt™ interface with 3D support.. 945.25





- HDMI output (HD SPARK) for full resolution real-time monitoring using EDIUS NLE software or HD/SD-SDI output (HD SPARK Pro and HD SPARK Pro Plus)
- Embedded HDMI audio out and separate
- RCA jacks for audio monitoring . Video and audio output stays in sync with editing
- windows for editing and trimming ·Edit any mix of SD and HD resolution
- video content together in real time ·Works with different native video formats, including DV, HDV, AVCHD, uncompressed, and more
- •2-channel AES digital audio output via BNC connector (HD SPARK Pro and HD SPARK Pro Plus only)
- •Real-time SD/HD resolution, aspect ratio, frame rate conversion/output, including 16:9-to-4:3 and NTSC-to-PAL
- •GPU-accelerated 3D transitions
- •Real-time editing performance increases as CPU power increases
- Supports newer file-based formats, including InfinityTM JPEG 2000, XDCAM and XDCAM EX, P2 (DVCPRO and AVC-Intra), and GFCam
- Compatible with Windows XP/Vista/7
- ...PCI express card only. ..PCI express card only, HD/SD-SDI. HD-SPARKPRO-PLUS...As above, with EDIUS v.6.5 software ...



MATROX MX02 MINI HIGH DEFINITION HDMI AND ANALOG I/O

- . Works with Mac and PC, laptops and desktops
- ·Small, lightweight, external box that's easily connected to your cameras and monitors
- Capture and playback high-definition video via HDMI and analog component; or NTSC and PAL via analog component, S-Video, and composite
- •Turns your HDMI screen into a professional-grade video monitor with color calibration tools including blue-only
- High-quality 10-bit hardware scaling engine for real-time upscaling, downscaling, and cross conversion on capture and playback
- •Stereo RCA & up to 8 channels of HDMI audio input and output •5.1 and 7.1 surround sound monitoring on the HDMI output
- · Easily edit AVCHD footage by capturing into an edit-friendly compressed or uncompressed format
- Works with your favorite applications including Final Cut Pro, Adobe Premiere Pro, Adobe Photoshop, and many more Available w/ Matrox MAX H.264 encoding and/or Thunderbolt™

high speed I/O tec	hnology		
MX02MINID	Mini with	PCIE card	423.62
MX02MINIL	Mini with	Express Card 34	423.62
MX02MINIMAXD	Mini with	PCIE card and MAX	599.00
MX02MINIMAXL	Mini with	Express Card 34 and MAX	599.00
MY02MINIT	Mini with	Thunderholt™ adaptor	518 02

699.00

MX02MINIMAXT...... Mini with MAX, Thunderbolt.....

PLEASE ALWAYS CONSULT MANUFACTURER'S WEBSITE FOR MOST CURRENT SYSTEM REQUIREMENTS!











VIDEO SWITCHERS, SPECIAL EFFECTS & CHARACTER GENERATORS

matrox

MATROX

MOJITO MAX

- •HD/SD-SDI and HDMI Input and Output
- ·Breakout cable provides composite, S-video and component in/out
- ·Stereo analog and digital audio
- •Genlock and RS422 control
- On board H.264 Encoding
- •Real-time 10-bit hardware scaling
- •HDMI Monitor Calibration
- Up/Down/Cross Conversion
- •Closed Captioning support
- PCIe Interface
- •Blackburst/Tri-Level Genlock I/O . Compatible with Popular Pro NLEs
- . Comes with Mojito Max breakout cable and HDMI cable

MOTU HD EXPRESS HDMI COMPACT VIDEO INTERFACE

- ·Supports Apple ProRes and other popular host-based codecs supported by Apple Final Cut Pro (Mac OS X 10.5 or higher) and Adobe Premiere Pro (Windows 7/Vista)
- •HDMI video capture and monitoring for Mac and Windows-based PC computers, via PCI Express (tower) or ExpressCard (laptop) connectivity
- · Captures and plays uncompressed HD and SD in 10-bit 4:2:2 color depth and up to 1920x1080 resolution
- · Capture and monitor analog component HD or SD, plus composite and S-Video
- •HDMI and HD/SD component in/out and composite and S-Video inputs only
- •HDMI provides up to 8 simultaneous channels of embedded audio, analog RCA outputs for monitoring 5.1 or 7.1 surround sound
- •Audio inputs include from HDMI, 2x RCA or S/PDIF, outputs are HDMI, 8x RCA or S/PDIF
- · Front-panel headphone jack with dedicated volume control
- Half rack form factor

... HDMI interface w/PCI ExpressCard 495.00 HU-EXDBESS-HUMI HD-EXPRESS-HDMI-LPTP... As above, laptop version with

ExpressCard adapter.....

Blackmagicdesign

BLACKMAGIC DESIGN ATEM TELEVISION STUDIO This live production switcher combines a professional switcher with a broadcast-quality H.264 encoder. With a user-intuitive software control panel, you can control the ATEM from a Mac or PC laptop. The ATEM features 10-bit digital design for high quality video with a low processing delay. It also has an upstream keyer with chroma, pattern, and linear keying and a built-in multi view allowing 10 channels of video to be displayed on one HDMI monitor. Connections include (4) SDI video inputs (10-bit SD/HD), (4) HDMI video inputs, (1) AES/EBU, (1) USB 2.0 and Ethernet.

ITEM	DESCRIPTION	PRICE
ATEM-TV-STUDIO	Pro switcher with H.264 encoder	945.25

2000000

20000000 CD-CC

ATEM PRODUCTION SWITCHER SOFTWARE INTERFACE

BLACKMAGIC DESIGN ATEM PRODUCTION SWITCHERS Both the 1 M/E and 2 M/E are compact, portable production switchers. Control the switchers with the software control panel via a Mac or PC laptop or the dedicated broadcast panels. The 1 M/E has (4) SDI inputs, (4) HDMI inputs, analog input, USB 3.0, frame resynchronizer, DVE transitions, 6 keyers, multiview and more. The 2 M/E has (12) SDI inputs, (4) HDMI inputs, analog input and USB 3.0. Other features of the 2 M/E include SuperSource multi-layering composite engine, 2 multiview outputs and a second M/E row.

ITEM	DESCRIPTION	PRICE
ATEM-1-ME-PRODSWITCH	ATEM 1 M/E switcher. 2RU	
ATEM-2-ME-PRODSWITCH	ATEM 2 M/E switcher, 3RU	

BLACKMAGIC DESIGN ATEM BROADCAST

PANELS Gain greater control of your ATEM switcher with the ATEM broadcast panels. The compact 1 M/E panel fits within a rack width, controls sources, transitions, keyers, DVE control and more. It has 10 direct cross points and one fader bar. The 2 M/E panel is designed for complex live broadcast events and features 20 direct cross points, 2 fader bars and a second M/E row. Both panels connect via Ethernet and have a loop-thru for a computer.

nave a loop till a for a compate	1.	
ITEM	DESCRIPTION	PRICE
ATEM-1-ME-BROADPANEL	1 M/E broadcast panel	
ATFM-2-MF-RRNANPANFI	2 M/E hroadcast nanel	CALL

ATEM-1-ME-BROADPANEL

ITEM	DESCRIPTION	PRICE
ATEM-1-ME-BROADPANEL	1 M/E broadcast panel	
ATEM-2-ME-BROADPANEL	2 M/E broadcast panel	CALL

\mathbf{MOTU}

MOTU HDX-SDI DIGITAL/ANALOG

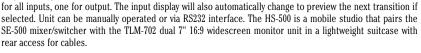
- VIDEO PRODUCTION INTERFACE • Full-raster ProRes workflow with Final Cut Pro
- •HD/SD PCI Express video interface
- •HD/SD (capture/playback) video interface for Mac and Windows laptops or towers
- Cross-platform operation (Mac OS X, Windows 7/Vista)
- Supports Apple Final Cut Pro (Mac) and Adobe Premiere Pro (Windows)
- Capture and playback uncompressed 10-bit HD and SD from all formats
- •HDMI output for 1080 HD monitoring
- Supports video reference, timecode & RS422 machine control
- Connect analog device through S-Video, composite or component connectors
- •16 channels of audio (analog, SDI embedded, HDMI embedded, AES/EBU)
- •8 1/4" TRS audio in/out
- •1RU form factor, rack ears included
- Version with Thunderbolt[™] technology available soon

HDX-SDI	PCI Express video interface (Mac/PC)	. 849.00
	ExpressCard/34 video interface (Mac/PC)	

datavideo

DATAVIDEO SE-500 ANALOG VIDEO MIXER/

SWITCHER A 4-channel mixer featuring S-video (Y/C) and composite video inputs. Features include dissolve, fade, wipes, splits, PIP and color processor. Channels are internally synced via a built-in dual-channel TBC 4:2:2 frame synchronizer. Has component (YUV) via breakout cable, S-video (Y/C) or composite video output. The SE-500 displays all 4 input sources via a single quad output so only 2 video monitors are needed - one



960.00
816.00
. 2112.00 . 1968.00
. 3408.00



















































