## (11)

## MATROX

моліто 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


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.

- Real-time 10-bit hardware scaling
- HDMI Monitor Calibration
- Up/Down/Cross Conversion
- Closed Captioning support
- PCle Interface
- Blackburst/Tri-Level Genlock I/O
- Compatible with Popular Pro NLEs
- Comes with Mojito Max breakout cable and HDMI cable

MOJITOMAX ..............Capture device with Mojito card ............. 995.00

## MOTU <br> MOTU HD EXPRESS <br> 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 7Nista)
- 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 1920×1080 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, $2 \times$ RCA or S/PDIF, outputs are HDMI, 8x RCA or S/PDIF
- Front-panel headphone jack with dedicated volume control
- Half-rack form factor

HD-EXPRESS-HDMI .....HDMI interface with PCI ExpressCard .. 495.00 HD-EXPRESS-HDMI-LPTP.......As above, laptop version with ExpressCard adapter ........ 495.00

## MOTU

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## MOTU HDX-SDI DIGITALANALOG

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 7Nista)
- 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 and

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) $1 / 4^{\prime \prime}$ TRS audio in/out
- 1RU form factor, rack ears included
- Version with Thunderbolt ${ }^{\text {TM }}$ technology available soon

HDX-SDI.
PCI Express video interface (Mac/PC) ....... 849.00
HDX-SDI-EXPRESS .. ExpressCard/34 video interface (Mac/PC).. 849.00
ITEM
DESCRIPTION
PRICE
ATEM-TV-STUDIO. $\qquad$ Pro switcher with H. 264 encoder $\qquad$ 945.25

ATEM PRODUCTION SWITCHER SOFTWARE INTERFACE
 ranition transitions, 6 keyers, multiview and more. The $2 \mathrm{M} / \mathrm{E}$ has (12) SDI inputs, (4) HDMI inputs, analog input and USB 3.0. Other features of the $2 \mathrm{M} / \mathrm{E}$ 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 | 2370.25 |
| ATEM-2-ME-PRODSWITCH | .ATEM 2 M/E switcher, 3RU | 4745.25 |



BLACKMAGIC DESIGN ATEM PRODUCTION SWITCHERS Both the $1 \mathrm{M} / \mathrm{E}$ and $2 \mathrm{M} / \mathrm{E}$ 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 $1 \mathrm{M} / \mathrm{E}$ has (4) SDI inputs, (4) HDMI inputs, analog input, USB 3.0, frame resynchronizer, DVE and the world's first 6G-SDI and HDMI 4K video connections. Gain greater control of your ATEM switcher with the ATEM broadcast panels. The compact $1 \mathrm{M} / \mathrm{E}$ panel fits within a rack width and controls sources, transitions, keyers, DVE control and more. It has 10 direct cross points and one fader bar. The $2 \mathrm{M} / \mathrm{E}$ panel is designed for complex live broadcast events and features 20 direct cross points, 2 fader bars and a second $\mathrm{M} / \mathrm{E}$ row. Both panels connect via Ethernet and have a loop thru for a computer.

| ITEM | DESCRIPTION | PRICE |
| :---: | :---: | :---: |
| ATEM-PROD-STUDIO-4K | .UltraHD 4K live production switcher. | 1995.00 |
| ATEM-1-ME-BROADPANEL. | . $1 \mathrm{M} / \mathrm{E}$ broadcast panel | 4745.25 |
| ATEM-2-ME-BROADPANEL. | . $2 \mathrm{M} / \mathrm{E}$ broadcast panel | CALL |

## datavided

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 for all inputs, one for output. The input display will also automatically change to preview the next transition if selected. Unit can be manually operated or via RS232 interface. The HS-500 is a mobile studio that pairs the SE-500 mixer/switcher with the TLM-702 dual 7" 16:9 widescreen monitor unit in a lightweight suitcase with rear access for cables.

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## datavideo

DATAVIDEO SE－900 SD SWITCHER SYSTEM This 8－input SD switch－ er has an expand－ able core feature set that includes chroma key cards and PIP．This 2－piece switcher（control panel and rack mounted processor）is ideal for SD venues．
The switcher accepts a mix of 8 input cards for DV，SDI，
DVI，YUV and composite．Outputs include DV，SDI，composite， component and S－video．Each input has a frame synchronizer and TBC．Preview functions include a YUV／composite multi image output with＂next source＂and ＂next effect＂．The SE－900 caters to DV and SDI formats by including an audio delay for DV，and an optional audio embedder for the SDI stream．The SE－900 is sold as a standalone 2－piece switcher with monitors，monitor racks and cases，or prefigured with different inputs in several different kits（see below）．Optional input and func－ tion cards are available－call for more details and pricing．
$\left.\begin{array}{ll} & \text { DESCRIPTION } \\ \text { ITEM } \\ \text { SE－900．．．．．．．．．．．．．．．．．．．SD switcher system（2 pieces）．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．} 4454.00\end{array}\right]$

## DATAVIDEO HS－2000 MOBILE HD VIDEO PRODUCTION STUDIO／

 SWITCHER This unit features a 17 ＂ LCD monitor to display multiview out－ puts， 1 DVI－D input， 3 HD－SDI inputs and 1 selectable DVI－D／HD－SDI input， a built－in 4 －channel audio mixer，a 5 －channel wired intercom with belt packs for camera ops．Monitor shows review input，program output，and picture－in－picture preview．Program output allows connection to external digital video recorder，which can be viewed on the unit＇s screen．Also features luma key，built－in TBC and frame synchronizerson all inputs，and HD resolutions up to $1920 \times 1080$ i
and 1280x720p．Comes in a protective aluminum case．
ITEM
DESCRIPTION
PRICE
HS－2000．

Mobile HD SD／DVI video production studiodswitcher | PRICE |
| :--- |
| CALL |


datavide ${ }^{\circ}$
DATAVIDEO SE－2000 HD－SDI VIDEO SWITCHER This unit fea－ tures 13 transitions with border， 5 indi－ vidual speed keys（for instant selection with take effect），and the ability to insert up to 14 pre－stored logos．Includes 3 dedicated HD－SDI inputs， 1 DVI－D input and 1 switchable input，a tally output，a DVI－D preview output，and HD－SDI and HD－YUV program output formats．Also features luminance key，PIP，freeze image，memory enough for 5 user presets，RS232 control，and 4－input audio mixer with XLR connec－ tors． 12 V DC adapter is included．

## TEM

DESCRIPTION
PRICE
SE－2000
HD－SDI video switcher 3840.00

FロR． $9^{\circ}$
INNOVATIONS IN VIDEO
and AUDIO TECHNOLOGY


FOR．A HVS－300 SERIES PORTABLE HD／SD VIDEO SWITCHER AND CONTROL PANEL This 1RU switcher can be operated via the front control panel， by mini panel or through software control．HD resolutions up to 1080／60i，4：2：2：4 10－bit processing， $4 \mathrm{HD} / \mathrm{SD}-\mathrm{SDI}$ inputs and outputs each，（frame synchronizer， up－converter，re－size engine on each input）．The HVS－300HS is expandable with I／O card options that include DVI－I，HD／SD analog component and analog composite inputs or outputs．The device＇s built－in 16 －split multi－viewer supports $4-$ ， 10 －or 16 －split view with tally and title display．Also features dual PIP function，an up－stream keyer and DSK（both with 2D DVE），advanced Chroma Key，a variety of 2D and 3D DVE transitions， $100+$ wipe patterns and 2 channels of still stores．

| ITEM | DESCRIPTION | PRICE |
| :---: | :---: | :---: |
| HVS－300HS－B． | ．1RU HD／SD switcher－standard version． | ．CALL |
| HVS－30RU | ．Remote unit for HVS－300HS | 2173.25 |
| HVS－300U | ．Operation unit for HVS－300HS | 3803.18 |
| HVS－30HSDI． | ．HD／SD digital input card | 2219.11 |
| HVS－30HSDO | HD／SD digital output card | 2136.79 |
| HVS－30HSAI | ．HD／SD analog input card | 2219.11 |
| HVS－30HSAO | ．HD／SD analog output card | 2136.79 |
| HVS－30PCIN． | ．PC input card． | 2136.79 |
| HVS－30PCO | ．PC output card． | 2136.79 |
| HVS－AUX8． | ．8－button aux control box． | 2400.22 |
| HVS－AUX16． | ．16－button aux control box． | 2581.32 |

## Horipa

## HORITA KCT－50

 CHARACTER GENERATOR A stand－alone video charac－ ter generator with built－in text editor，that works with a standard PC keyboard（no PC required）to superimpose captions and titles of up to nine lines of 20 char－ acters each，on analog composite video． The horizontal and vertical size and position， black／white，mask on／off，and contrast for the characters is user adjustable．Date and time information can also be automatically inserted in a variety of formats．Up to 25 KCT－50s can be connected and controlled from a single PC keyboard．

| ITEM | DESCRIPTION | PRICE |
| :--- | :--- | :--- |
| KCT50．．．．．．．．．．．．．．．．．．．．．．Character generator ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 379.28 |  |  |

## intelix



INTELIX FLX-8X8A MODULAR FLEX MATRIX SYSTEM The FLX-8X8A is a card-based matrix distribution system, consisting of two input and two output slots. Insert any combination of HDMI, DVI, VGA, Y/Pb/Pr Component Video, and/or HDBaseT input cards with HDMI, DVI, and HDBaseT output cards. Use any input type with any output type. This matrix can drive both local and remote zone outputs via twisted-pair cabling. In addition to modules, the unit has built-in RS232 and ethernet connectors, front panel control, EDID management, and a $8 \times 8$ balanced stereo audio switcher for whole premise audio capabilities.

| ITEM | DESCRIPTION | PRICE |
| :---: | :---: | :---: |
| FLX-8X8A | 8x8 flex matrix distribution system | . 4595.47 |
| FLX-HI4. | 4-port HDMI input card | 576.07 |
| FLX-DI4. | 4-port DVI input card. | 576.07 |
| FLX-RI4. | 4-port RGB, YUV, SV, YC, CV scaling input card .. | . 1876.67 |
| FLX-BI4. | 4-port HDBaseT input card | . 1803.87 |
| FLX-H04.. | 4-port HDMI output card. | 576.07 |
| FLX-D04.. | 4-port DVI output card | 576.07 |
| FLX-B04.. | . 4 -port HDBaseT output card | . 1803.87 |



INTELIX HIGH-DEFINITION TWISTED PAIR VIDEO MATRIXES These units have HDMI inputs, HDMI outputs and twisted pair extender outputs. $8 \times 8$ features front panel touchscreen for source selection. All models support 1080i and 1080p video and are HDMI 1.3b and HDCP compliant. They are rack mountable, include wireless remote and are controllable by the front panel, Ethernet, IR or RS232. Features pass-through IR channels for distributing remote IR commands from in-room controllers via twisted pair extenders over a maximum of 150 ft twisted pair cable.

| DESCRIPTION | PRICE |
| :--- | :--- |
| ITEM |  |
| DIGI-HD-4X4 ............ 4 HDMI in/4 HDMI out, 4 twisted pair out HD matrix................. 1255.16 |  |
| DIGI-HD-4X8 .......... 4 HDMI in/8 HDMI out, 8 twisted pair out HD matrix.............. 3376.76 |  |
| DIGI-HD-8X8 ............ 8 HDMI in/8 HDMI out, 8 twisted pair out HD matrix...................CALL |  |

KRAMER
VS88HDCPXL
KRAMER HIGH-PERFORMANCE MATRIX SWITCHERS These professional matrix switchers can route any input to any or all outputs simultaneously. Multiple memory locations allow for storage of multiple switches as presets. The VS-48HDCPXL and VS-88HDCPXL support DVI and HDMI signals on DVI-D connectors, are HDCP and HDTV compatible, support EDID PassThru and have a maximum data rate of 6.75 Gbps (2.25 Gbps per graphic channel). The VS-44HDXL and VS-88HDXL support up to 3G HD-SDI and HD-SDI dual link signals. They have Active Input Type ${ }^{\mathrm{TM}}$ Reporting, a maximum data rate of 3 Gbps , and a "Take" button that executes multiple switches at once.

| ITEM | DESCRIPTION | PRICE |
| :---: | :---: | :---: |
| VS48HDCPXL | . $4 \times 8$ HDCP compliant DVI matrix switcher | .. 2636.00 |
| VS88HDCPXL | . $8 \times 8$ HDCP compliant DVI matrix switcher. | .. 3596.00 |
| VS44HDXL | . $4 \times 4$ 3G HD-SDI matrix switcher | .. 2636.00 |
| VS88HDXL | . $8 \times 8$ 3G HD-SDI matrix switcher. | .. 3996.00 |



KRAMER VP-725NA 21-INPUT DIGITAL SCALER/SWITCHER The VP-725NA is a presentation scaler/switcher with multiple signal format sections and balanced stereo audio. The unit has 5 independent $4 \times 1$ video sections: composite, S-Video (Y/C), component (YUV), computer graphics and HDMI, plus a single USB input. It also scales any video input up or down to a selectable graphics or HDTV output resolution and provides glitch-free switching between sources through FTB $^{\text {TM }}$ (fade-thru-black) switching technology. Includes rack ears, remote control, and null-modem adapter.


KRAMER VP-411DS CG VIDEO/STEREO AUDIO STANDBY SWITCHER This standby switcher will switch to a secondary input when the primary input's signal is lost. Offers computer graphics resolutions of VGA through UXGA and higher (thru 15-pin HD connectors) as well as unbalanced stereo audio signals (through 3.5 mm mini-jacks). The VP-411DS features KR-ISP ${ }^{\mathrm{TM}}$ Advanced Sync Processing that ensures compatibility with a wide variety of computers by restoring the sync signal waveform. IR remote included. Controllable by RS232, front panel (which features lockout capability) or contact closure.
ITEM DESCRIPTION
PRICE

VP411DS ................... Audio/video standby switcher ....................................................... 556.00


KRAMER PROSCALE ${ }^{\text {TM }}$ VP-437N ANALOG AND HDMI SCALER/SWITCHER This 7-input scaler/switcher scales composite, component video, S-Video, computer graphics video or HDMI signals up/down to a selectable graphics output resolution. Unbalanced stereo audio input is converted to S/PDIF and analog stereo output and embedded in the HDMI out. Other features include 3:2/2:2 pulldown de-interlacing, up to 1080p HDTV output resolutions, audio follow video, and more. It is ideal for projection systems, conference rooms and home theater set-ups and is rackmountable (rack ears included).
ITEM
DESCRIPTION
PRICE
VP437N.
.. 7 -input analog/HDMI scaler/switcher, 1RU.
. 956.00

## Panasonic

PANASONIC AWHS5O MULTIFORMAT LIVE HD/SD SWITCHER This half-rack unit-wide, 4:2:2 HD/SD live switcher offers 10 -bit processing, built-in MultiViewer (4, 9, or 10 images on a single display), chroma keyer, aux bus with an IP link to Panasonic's AWRP50 remote camera
 controller, and 1080/29.94PsF support. Other features include picture-in-picture with dissolve transitions, color correction, linear and downstream keyers, switchable upconversion, auto or manual video transitions, frame memories, and wipe and PinP preset memories. It has 4 HD-SD-SDI and 1 HD DVI-D inputs - each with 1-bit frame synchronizers, and 2 HD/SD-SDI and 1 scalable DVI-D outputs. The AWHS50 also sports a GPI input, camera tally outputs, an Ethernet control interface, and a 4-pin XLR 12VDC input. Also supports 1080/59.94i, 1080/24PsF, and 720/59.94p.

| ITEM | DESCRIPTION | PRICE |
| :---: | :---: | :---: |
| AWHS50. | .Multi-format live HD/SD switcher | . 3520.00 |
| AWRP50N | Remote camera controller | . 1990.00 |

## Panasonic



PANASONIC AG-HMX100 DIGITAL AV MIXER Integrating a HD/SD video switcher, frame synchronizer, audio mixer and control panel, this compact digital A $N$ mixer offers high quality images via its 12 -bit digital processing. Features include a $5.7^{\prime \prime}$ LCD screen that displays a 5 -row matrix menu, rotary switches, an auto power off function, an AUX output terminal, a DVI-I input, 2 HDMI channels, and 4 SDI (HD/SD switchable) channels. Other features include multiview function capabilities for single monitor systems, built-in 2D and digital effect functions, chroma and luminance keying, pattern preset, event memory, Panasonic projector control capabilities, and the ability to operate as a 3D video switcher.
ITEM DESCRIPTION PRICE
AGHMX100 ................ Digital A/V mixer with LCD screen.......................................... 5711.00


PANASONIC AV-HS410 HD/SD SMART SWITCHER This powerful, easy-to-use switcher combines the fast functionality of a hard-wired unit with the flexibility of a computer-based system. This expandable 9-input 1RU unit offers dual-channel video clip recording/playback, effects preview, timeline editing and high-quality 2D and 3D effects for both key and background transitions. Other features include built-in 7" LCD panel with expanded MultiViewer capabilities, HS/SD multi-format support, Primatte ${ }^{\circledR}$ Chroma keying and easy operation. An SDK for plug-in development and functionality enhancement is available.
ITEM DESCRIPTION PRICE
AVHS410 . HD/SD video switcher.. $\qquad$ ...CALL

## Roland

ROLAND VR-50HD MULTI-FORMAT AV MIXER A complete portable HD studio in a single unit. Single-person operation of sound and picture using faders, buttons and touch screen. Integrates an audio mixer, video switcher, multi-viewer touch screen and USB video/audio streaming into a stand-alone device. Supports 12 input, 4-Channel video plus still channel for switching, 12 -Channel audio mixing and 4 layers of compositing of PinP, PinP/ KEY and STILL. The 7" (800x480) preview touch monitor is built-in and the unit offers external multi-view output through HDMI. USB 3 output allows for fast streaming and recording up to 1080p uncompressed. Includes (4) 3G/HD/SD-SDI, (4) HDMI, (2) RGB/component and (2) composite video inputs plus (4) XLR/TRS combo, (4) RCA phono and (4) TRS audio inputs.

## ITEM

DESCRIPTION
PRICE
VR-50HD .. Multi-format AV switcher/mixer.. 7495.00

ROLAND V-4EX FOUR-CHANNEL VIDEO MIXER Compact video mixer ideal for portable or fixed installation use in nightclubs, theaters, performance venues and places of worship. The V-4EX advances the legendary V-4 by including HDMI in/ out, progressive internal processing, audio embedding, USB streaming and a built-in multiviewer with touch control. These are in addition to the primary feature set including built-in effects and its famed user interface that incorporates dial controls for
 effects on each bus and a master output dial. It has CP-compliant. ITEM DESCRIPTION PRICE V-4EX .... 4-channel video mixer with touch multiviewer. PRICE
1995.00


ROLAND V-440 HD AND MULTI-FORMAT VIDEO MIXER/LIVE SWITCHER Combine any 8 video sources (SD, HD even RGB computer signals up to SXGA) through 1 unit and output them at 720p, 1080i or selectable RGB. Features a built-in, high-quality up-converter and scaler, an array of transitions, Picture-inPicture, as well as 2 keyers (SD and HD). The units are even remote-controllable via V-LINK from any Roland/Edirol musical instruments or use RS232C for computer control.
ITEM
V440HD
DESCRIPTION
PRICE
HD multi-format video switcher


ROLAND VR-3 AV MIXER Weighing less than five pounds, the VR-3 is a portable audio and video mixer, which includes a video switcher, audio mixer, preview monitors and a streaming-ready USB output. The VR-3 can be used with most popular web streaming services. Features (3) composite and (1) PC in video sources, (4) mono (XLR or $1 / 4^{\prime \prime}$ ) and (2) stereo mixable audio channels, built-in stereo mic, scan converter and a built-in single LCD monitor with touch control. Video effects include keying, split-screen and picture-in-picture.
ITEM DESCRIPTION
PRICE
VR-3......................... 3-channel video switcher...
1995.00


COMPUTER AV


