Blackmagicdesign

ATEM-CAMERA-CONVERTR

ATEM-STUDIO-CONVERTR

BLACKMAGIC DESIGN ATEM CAMERA CONVERTER The ATEM Camera Converter coverts your camera's SDI or HDMI out to optical fiber, embeds external audio and includes talkback and tally. Signal can be sent to a switcher up to 28 miles away. Up to 4 Camera Converters can connect to one Studio Converter via its 4 independent bidirectional optical fiber SDI converters, providing your switcher with a SDI or HDMI signal. The Studio Converter also sends talkback and program feed signals back to the Camera Converter, allowing you to monitor right from your camera.

ITEM	DESCRIPTION	PRICE
ATEM-CAMERA-CONVERTR	SDI/HDMI to optical fiber extender	565.25
ATEM-STUDIO-CONVERTR	1:4 optical fiber to SDI/HDMI converter	1895.25

datavideo®

DATAVIDEO RMC-180 CAMERA CONTROLLER The RMC-180 is designed for PTZ cameras and can connect up to four cameras and control the pan, tilt, zoom, iris, focus, gain and many other functions. It has multiple presets for each camera. Connects to cameras via traditional network cabling and supports a distance of up to 1,000m. Power supply included.

ITEM	DESCRIPTION	PRICE
RMC180	Pan/tilt/zoom camera control unit	1440.00

GV-LS1BUS

GV-LS2WUS

JVC

JVC PAN/TILT/ZOOM CAMERAS These 12MP cameras offer HD MPEG2-TS streaming (1920x1080/60i max.) and AVCHD recording (to SD card), a 1/2.3" BSI CMOS sensor, silent, high-speed operation, image stabilization, and an external stereo mic input. AVCHD recording is at 1920x1080 at 24Mbps. Both models are Wi-Fi ready and can be operated via iPad or iPod Touch (app available in Apple's App Store). The GV-LS1BUS features a 4K chip that allows you to "free frame" zoom or pan and tilt, meaning there will be no pixel/resolution loss in the process.

ITEM	DESCRIPTION	PRICE
GVLS2WUS	Mechanical PTZ camera with 10x wide lens	999.95
GVLS1BUS	Electrical PTZ camera with super-wide single focus lens	799.95

Panasonic

PANASONIC AWHE2PJ FULL-HD MOS ELECTRONIC PTZ CAMERA This compact HD camera has no moving parts and features electronic pan/tilt/zoom, remote IP monitoring, and both direct and web-based IP control capability. Recommended for remote monitoring in athletics, lecture capturing, distance learning and in conference room applications. Also features 1920x1080 resolution images in 1080/60p (among other formats), a 96° wide horizontal angle of view, 2x Super Resolution zoom, picture-in-picture, 9 preset memories, adjustable shutter speed, auto gain, and IP-preview MJPEG video embedded in the camera's browser control page @ 640x480/30 fps. Support Crestron, AMX, and other systems. Stereo mic, stereo audio embedded in HDMI out.

ITEM	DESCRIPTION	PRICE
AWHE2PJ	Full HD compact electronic PTZ camera	895.00
AWRP50N	Sub-compact remote camera controller	1990.00
AWRM50G	Wireless handheld IR remote for AWHE2PJ	105.60

Panasonic

PANASONIC AW-RP120 REMOTE PTZ CAMERA SYSTEM CONTROLLER This full-size remote camera system controller has the capability to control cameras via both IP and serial connections to support Panasonic's expanding line-up of remote camera systems. The full size precision joystick offers smooth control of camera moves. Cost-effective, the RP120 advanced functions including group presets for rapid, easy scene changes, tracing memories for storage and recall of complex operations, SD card storage, and direct panel control of gain, pedestal, and detail settings. The RP120 delivers control of up to 100 Panasonic cameras via IP or five via RS-422 serial connections. With an easy-to-use control layout and the most powerful feature set of any Panasonic controller, the RP120 addresses a diverse range of applications in broadcasting, sports, houses of worship, education, rental/staging, corporate and government.

ITEM	DESCRIPTION	PRICE
AWRP120GJ	Remote camera system controller, up to 100 cameras	4495.00

PANASONIC AWHE60S/H HD PAN/TILT/ZOOM CAMERAS Features live IP image monitoring in VGA and QVGA (up to 30 fps) for easy remote production and engineering. Offers up to 850 lines of horizontal resolution in varying lighting conditions and environments with the help of Panasonic's Dynamic Range Stretch (DRS) technology and Hybrid 2D/3D Noise Reduction processing. Comes with an 18x HD optical zoom lens and built-in IP and RS422 serial control interfaces. Also includes a built-in tally light, 100 preset memories, 3-step gamma correction and 7-step chroma level adjustment. Supports resolutions up to 1080/59.94i.

ITEM	DESCRIPTION	PRICE
AWHE60SN	1/3" full HD MOS integrated PTZ camera with HD/SD-SDI, genlock	4750.80
AWHE60HN	Multiformat HD MOS integrated PTZ camera with HDMI	3990.00

PANASONIC AK-HC3800 HD STUDIO CAMERA Features 3x 2/3"-type 2.2-megapixel CCDs, 16-bit A/D image processing circuit, and 38-bit DSP. Also features chromatic aberration compensation, scene file settings, Panasonic's Dynamic Range Stretch technology, which reduces blocked detail in scenes with very bright and dark objects, a Scan Reverse function for cinema lens adapters, and a Film Rec Gamma function.

ITEM	DESCRIPTION	PRICE
AK-HC3800GSJ	Professional HD studio video camera	CALL
AK-HCU200PSJ	2RU rackmount camera control unit with 4 HD/SD-SDI outs, 2 HD/SD-SDI in, 1x analog composite video (VBS) in, down converter, prompter input	CALL
AK-HRP200GJ	Remote operation control panel with IP control	2200.00
AK-HVF70GJ	7" color LCD viewfinder	CALL

Panasonic

PANASONIC PORTABLE AVCCAM HD MEMORY CARD CAMERA AND RECORDER Featuring HD-SDI input and output, this recorder's AVCHD-format quality features twice the compression efficiency of MPEG-2 and a max bit rate of 24 Mbps in PH mode. Can record up to 720 mins (12 hrs) on a 32GB SDHC card, 180 mins in PH mode. The optional camera head features a 12x optical zoom lens, Optical Image Stabilizer and a 1/4.1" (approx 2 megapixel) progressive 3MOS. Iris, focus and zoom can be controlled remotely from the memory card recorder unit.

ITEM	DESCRIPTION	PRICE
AGHMR10	AVCCAM HD memory card video recorder	1495.00
AGHCK10	Camera head with 3m (118.1") cable (for AGHMR10)	1245.00

AW-HE120 HD/SD ROBOTIC CAMERA

This camera has (3) 2.2MP U.L.T. MOS imagers, a 20x zoom lens, a built-in remote-controllable 4-position ND filter, and 16-axis color correction, providing broadcast-quality HD and SD video in a variety of formats (1080p, 1080i, 720p, 480p, 480i, etc.). The camera features a 175° pan range, a –30° to -120° tilt range, and can store up to 100 preset positions and camera settings. Outputs include HD/SD-SDI, HDMI, analog component and SD composite. Supports RS422 serial and IP control via RJ45. Comes with a twist-lock ceiling mounting mechanism. Comes in black or white.

ITEM	DESCRIPTION	PRICE
AWHE120	Multi-format HD/SD robotic camera with pan-tilt-zoom system	CALL
AWRP50N	Remote controller for up to 100 AWHE120 units	1990.00

SONY

HXCD70K

SONY HXC-D70 HD/SD SYSTEM CAMERA For small studio productions, this camera features the latest in digital HD multi-core transmission technology and can be controlled by the optional HXCU-D70 camera control unit. Additional features include full-HD 3-chip 2/3" CMOS image sensors, a wide-band down converter for shooting in SD, signal formats from 720p/50 up to 1080i/59.94, and various image control functions including skin tone detail, low-key saturation, knee saturation, and more. The HXCU-D70 camera control's I/O connections include (4) SDI outputs and an HDMI monitor out.

ITEM	DESCRIPTION	PRICE
HXCD70H	HD/SD system camera without viewfinder or lens	CALL
HXCD70K	HXCD70H with CBK-VF01 viewfinder/mic, 16x lens	CALL
HXCD70L	HXCD70H with CBK-VF01 viewfinder/mic, no lens	CALL
HXCUD70	Camera control unit for HXC-D70 camera	CALL
CBKVF01	3.5" color LCD viewfinder/monaural mic	3244.78
DXFC50WA	5" color LCD viewfinder	2003.46

SONY

SONY EVID70 NTSC COLOR PTZ CAMERA

Features a 1/4"-type 380k pixel EXview HAD™ CCD color camera, 18x optical/12x digital zoom, auto focus, a 340° pan range, and a 120° tilt range. Also features a 37mm mount for optical conversion lenses, RS232C/RS422 remote control functionality, VBS and Y/C out, and E:Flip, which flips the image upside down when the unit is ceiling mounted.

ITEM	DESCRIPTION	PRICE
EVID70	NTSC color PTZ camera	764.94
EVID70/W	As above, in white	764.94

SONY EVID80 AND EVID90 PAN/TILT/ZOOM CAMERAS

These stylish color pan/tilt/zoom cameras can be standard or ceiling mounted with the E-flip function. Both models offer high-speed wide-range pan/tilt, autofocus, 12x digital zoom and RS232C/RS422 control via VISCA protocol. EVID80 features 18x optical zoom and 1/4-type CCD sensor, while EVID90 has 28x optical zoom, 1/4-type Exview HAD CCD sensor and Wide-D technology. AC adapter, IR remote commander, ceiling bracket and RS422 connector plug come standard.

ITEM	DESCRIPTION	PRICE
EVID80	18x optical zoom PTZ camera	750.52
EVID90	28x optical zoom PTZ camera	845.82

SONY EVIH100 HD PTZ CAMERAS

Features a 1/2.8-type Exmor CMOS sensor, full 1080/20 HD resolution, 20x optical/12x digital zoom, a +/-170° pan range, a +90°/-20° tilt range, 6 presets, and camera control via RS-232C/RS-422. All models are ceiling mountable.

ITEM	DESCRIPTION	PRICE
EVIH100S	HD/SD PTZ camera with HD-SDI, VBS outs	2498.60
EVIH100S/W	As above, in white	2498.60
EVIH100V	HD TZ camera with DVI-I out	2442.17
EVIH100V/W	As above, in white	2442.17

SONY EVI-D100 PTZ COLOR VIDEO CAMERA

Ideal for videoconferencing, surveillance, distance learning, and more. Features quiet pan/tilt with a wide angle view (65° via built-in conversion lens), 40x zoom (10x optical, 4x digital), auto focus, auto white balance, and auto exposure control. Additional features include 6 position presets with battery back-up, an auto sleep function, negative/positive reversal, B&W image, RS232 control, and an included IR Remote Commander® unit.

ITEM	DESCRIPTION	PRICE
EVID100	PTZ color video camera	712.80

SONY

SONY BRC-H700 3CCD HIGH-DEFINITION P/T/Z COLOR VIDEO CAMERA The BRC-H700 combines a high picture quality HD 3CCD camera with pan/tilt/zoom mechanism, wrapped in a sleek, compact body. Like its standard-definition family member, the BRC-300, the BRC-H700 can also be mounted on the ceiling. The BRC-H700 supports analog RGB, Y/Pb/Pr output as standard and is also equipped with a slot for optional output cards supporting HD-SDI, down converted SKI, computer XGA and HDV™. The BRU-H700 HD optical multiplex unit with the BRBK-H700 HD optical multiplex card enables it to transmit uncompressed digital data without deterioration through the CCFC-M100HG HD optical fiber cable. The RM-BR300 remote control unit can be used with BRC-H700 and it will simultaneously control up to 7 cameras from a distance.

ITEM	DESCRIPTION	PRICE
BRCH700	HD PTZ camera	7338.57
HFBK-HD1	HD-SDI output option card	1617.00
HFBK-SD1	Down converted SDI output option card	1374.45
HFBK-XG1	Computer XGA output option card	1617.00
HFBK-TS1	HDV™ output option card	2102.10
BRUH700	HD optical multiplex unit	2344.65
BRBKH700	HD optical multiplex card	1212.75
CCFCM100HG	100-meter HD optical fiber cable	929.78
RMBR300	Remote control unit for BRC-300/BRC-H700	1331.26

EVIHD3V

SONY EVI-HD SERIES ROBOTIC CAMERAS Ideally suited for videoconferencing, classrooms, distance learning, and more, these cameras capture true-to-life images. With low-noise pan/tilt/zoom functions, each camera offers a 1/3-type CMOS sensor and 10x optical zoom lens (40x with digital zoom). Other features include auto/manual focus, white balance, RS232C remote control, and 6 preset positions. The multi-format EVI-HD1 offers HD (1080i/60) and SD (NTSC/PAL) output at the flip of a switch, and comes equipped with an HD-SDI interface for long-distance transmission of HD images. The EVI-HD3V produces HD images up to 720p/60, and offers easy connection to an HD or PC monitor via its DVI-I interface. The EVI-HD7V also offers the DVI-I interface and delivers vivid 1080p/60 images.

ITEM	DESCRIPTION	PRICE
EVIHD1	PTZ camera, HD/SD, NTSC/PAL, HD-SDI interface	1924.78
EVIHD3V	PTZ camera, HD 720p/60, DVI-I interface	1815.17
EVIHD7V	PTZ camera, HD 1080p/60, DVI-I interface	1993.26
RMBR300	Remote control	1331.26

SONY BRC-Z700 HD CMOS PAN TILT ZOOM CAMERA This 3-CMOS HD camera has a Carl Zeiss Vario-Sonnar T® lens with 20x optical zoom, optical image stabilization function, and built-in Auto Focus function. The camera allows the image to be flipped for ceiling mounting. It supports simultaneous analog HD Y/Pb/Pr output as well as Y/C and composite output in Standard Definition (SD). An option card slot will accept either the BRBK-HSD1 card, to output your choice of HD-SDI or down converted SDI; or the BRBK-MF1 to output uncompressed digital data through the CCFC-M100HG HD optical fiber cable to the BRUH700 optical multiplex unit.

ITEM	DESCRIPTION	PRICE
BRCZ700	CMOS HD PTZ camera	CALL
BRBKHSD1	HD/SD or SDI (not simultaneous) output option card	1415.61
BRBKMF1	HD optical multiplex option card	1374.45
BRUH700	HD optical multiplex unit	2344.65
RMBR300	Joystick remote control unit for controlling up to 7 cameras	1331.26
CCFCM100HG	HD optical fiber cable, 100M	929.78

SONY BRC-300 BROADBAND REMOTE CAMERA The BRC-300 combines camera, lens and pan/tilt mount with auto focus and 48x zoom, and is Sony's first robotic camera to offer the quality of three individual megapixel CCDs for resolution. Specifically designed for remote video-shooting applications, the BRC-300 incorporates three 1/4.7-type Advanced HAD™ CCDs to provide high-quality, high-resolution images in both 4:3 and 16:9 modes. The BRC-300 comes equipped with a card slot that accepts optional interface cards. In addition, remote control interfaces via RS232C(VISCA protocol) and RS422 are available.

ITEM	DESCRIPTION	PRICE
BRC300	Robotic hi-res camera in pan/tilt mount	3162.24
BRBK301	Analog RGB/component card	338.17
BRBK302	SDI output card	754.10
CCFCM100	100m optical fiber cable	591.68
RMBR300	Remote control unit	1331.26

SONY RM-BR300 REMOTE CONTROL For use with the BRC-300, H700, Z700, and/or Z330. Controls all camera settings including the pan/tilt/zoom function and 6 preset patterns and has an easy-to-use ergonomic joystick design. Includes an RS232C cable, AC adapter, 2 terminal connectors and an AC power cable.

ITEM	DESCRIPTION	PRICE
RMBR300	Remote control unit	1331.26

SONY BRC-Z330 SD/HD CMOS REMOTE CAMERA Featuring a 1/3" ClearVid CMOS sensor, this camera achieves both high resolution and high sensitivity for capturing in 1080/59.94i, 1080/50i, 720/59.94p, and 720/50p. For capturing small or distant objects, it utilizes an 18x optical auto-focus zoom lens (72x with digital zoom). The 'color masking' function allows users to adjust specific colors in the image more precisely, while the 'color detail' function allows users to smooth over skin tones. The 'image flip' function allows the camera to be mounted on a ceiling or flat surface. Other features include pan/tilt/zoom functions and 16 preset patterns, which can be controlled by the optional RM-BR300 remote control unit. The camera has an extremely quiet motor and is capable of very precise movements. HD video out is D-Sub 15-pin (component (Y/Pb/Pr) or RGB), HD, VD or SYNC. SD video out is composite and Y/C.

ITEM	DESCRIPTION	PRICE
BRCZ330	SD/HD CMOS remote camera	3259.32
RMBR300	Remote control	1331.26
BRBKHSD2	HD/SD-SDI output board	1455.30

vaddio
REDEFINING CAMERA CONTROL

VADDIO PRODUCTIONVIEW™ HD-SDI CAMERA CONTROL SYSTEM

Has transitions and effects, plus 12 camera presets. It is designed to connect easily via a single coax cable for video. 6 HD/SD-SDI Inputs can be up-converted or down-converted from SD-SDI up to 3GHz HD-SDI standard (SMPTE 424M) for 1080p video, as well as SMPTE 292M (HD-SDI at 720p or 1080i) and SMPTE 259M (SD-SDI). Transitions include cross fade, wipes (9), cut, and fade to black (FTB). Lower Screen Graphics feature for inserting graphics over video. Knobs for adjusting focus, iris, transition speed as well as pan, tilt and zoom built into the console, along with a 3-axis hall-effect joystick. AutoVIEW contact inputs for auto camera switching.

ITEM	DESCRIPTION	PRICE
PRODUCTIONVIEW-HDSDI	HD/SD-SDI camera control system with transitions and effects	4675.00
440-5600-000	HD Y-C and Composite cable, 1'	45.00
440-5600-001	HD Component cable, 3'	45.00
440-5600-002	HD Component cable, 6'	45.00
440-5600-003	HD Component cable, 7'	40.00

VADDIO PRODUCTIONVIEW™ FX CAMERA CONTROL SYSTEM

With transitions and effects, plus 72 total internal camera presets (6x12 each camera). 6x2 video switcher (Main and Preview) with built-in 4" LCD monitor. Features 3-axis joystick for up to 6 PTZ cameras. Transitions on Preview bus include fades (in, out, black), cross fades, wipes (up, down, left, right, corner). 6 discrete auto-sensing camera control ports. Master RS232 port for external control systems. AutoVIEW contact inputs for camera switching.

ITEM	DESCRIPTION	PRICE
PRODUCTIONVIEW-FX	Camera control system with transitions and effects	3290.34

VADDIO PRODUCTIONVIEW™ SUPER JOYSTICK CAMERA CONTROLLER

With a built-in 4" preview monitor, it offers 6 discrete, auto-sensing RS232C camera control ports, 72 total camera presets, and external control capability (RS232 and Tally). The 6 cameras can be adjusted individually for the operating environment with adjustments for auto/manual focus, auto/manual brightness, backlight compensation and one-push automatic white balance.

ITEM	DESCRIPTION	PRICE
PRODUCTIONVIEW-SUPER	Camera controller with built-in 4" preview monitor	1795.00

VADDIO CLEARVIEW SERIES HD PAN/TILT/ZOOM CAMERAS

The HD18 and HD19 cameras offer the ability to output simultaneously in HD and SD. Other features include 1/3" (or 1/3-type) image sensors (HD18: CCD, HD19: CMOS, HD20: Exmor) and optical zoom (HD18: 18x, HD19: 19x, HD20: 20x). Control runs via VISCA command protocol on the HD18, or via the IR remote on all models. The HD18 is compatible with any Polycom or TANDBERG videoconferencing codec. All cameras come with IR remotes and power supplies. The HD19 features SmartSHOT technology with Adjustable Image Processing for end-user control of advanced imaging DSP functions. All cameras allow for the integration of optional video output cards. Also available in white finish.

ITEM	DESCRIPTION	PRICE
CLEARVIEW-HD18-BLK	HD 1/3" CCD P/T/Z camera, black	4045.00
CLEARVIEW-HD18-W	HD 1/3" CCD P/T/Z camera, white	4045.00
CLEARVIEW-HD19	HD 1/3-Type CMOS P/T/Z camera, black	3595.00
CLEARVIEW-HD20	HD 1/3-Type Exmor P/T/Z camera, black	4225.00

VADDIO PRODUCTIONVIEW HD MV CAMERA CONTROL CONSOLE

The MV model supports 1080/60p resolutions, has multiviewer capabilities, as well as the ability to create up to 12 video thumbnails of preset shots as a way of identifying and recalling preset camera positions. Feeds can be switched via TeleTouch multiviewer touchscreen monitors when used with the mixer. Also features 2 discrete outputs for dual bus program feeds, as well as analog (YpbPr, RGBHV, Y/C, CVBS) and digital (DVI-D, HDMI) outputs for both Program and Preview outputs. Inputs include analog HD YpbPr video, RGBHV, SD (Y/C, CVBS), and DVI-I for RGBHV, DVI-D and HDMI on Input 6. DVI and RS-232 cables are included with the touchscreen monitors. The HD model offers multi-format HD/SD live switching, 12 camera presets, 6 up/downconvertable (480i-1080p) HD/SD inputs, and AutoVIEW contact inputs for auto camera switching. Both models feature and PTZ control, focus, iris and transition speed knobs, lower screen graphics capabilities, and transitions and effects.

ITEM	DESCRIPTION	PRICE
PRODUCTIONVIEW-HDMV	HD multiviewer video mixer	CALL
PRODUCTIONVIEW-HD	HD camera control system with transitions and effects	4225.00
TELETOUCH-18.5	18.5" HD touchscreen rackmount monitor for –MV model	1345.00
TELETOUCH-22	22" HD touchscreen monitor with stand for –MV model	1435.00
440-5600-000	HD Y-C and Composite cable 1'	45.00
440-5600-001	3' HD Component cable	45.00
440-5600-002	6' HD Component cable	45.00
440-5600-003	7" HD Component cable	40.00

AV-BRIDGE

VADDIO EASY USB TOOLS

There are a variety of EasyUSB devices to use in conjunction with the ClearVIEW-HD-USB cameras. The AV Bridge allows you to integrate pro audio and video gear via USB using soft codecs like Skype, Cisco Jabber, and Microsoft Lync. Supports switchable balanced/unbalanced audio and switchable HDMI, RGBHV, SD or HD component video inputs. Includes USB2.0 and Ethernet (for IP control and streaming) outputs. The WEBBi web-based server/controller allows you to control your EasyUSB devices through any web-ready device (computer, tablet, smartphone, etc.). Supports RS232 and operates via your Ethernet network.

ITEM	DESCRIPTION	PRICE
AV-BRIDGE	A/V gear-to-soft codec integrator	1895.00
WEBBI	Room control system for EasyUSB devices	850.00
Accessories		
EASY-TALK-USB	Wireless lavalier mic system with bodypack, receiver, USB output	2115.00
EASYMIC-MICPOD	Omnidirectional echo-canceling tabletop microphone	521.00
EASYMIC-CEIL-MICPODW	Omnidirectional echo-canceling, ceiling-hung pendant microphone, white	565.00
EASYMIC-CEIL-MICPODB	As above, in black	565.00
EASY-USB-MIXER	2x 20W audio amp/mixer for 2 MicPod microphones	833.75
EASY-TALK-SOUNDBAR	Non-powered sound bar for use with EASYUSB-MIXER-AMP	265.00

VADDIO CLEARVIEW HD USB PAN/TILT/ZOOM CAMERA

This 1/3"-type Exmor high-speed CMOS image sensor pan/tilt/zoom camera features USB and Ethernet streaming, allowing you to you to plug directly into your PC without the need for any additional devices or USB drivers. Includes a 19x optical zoom lens, 3.2°-58.1° wide-angle view, H.264 video streaming support, IP control and streaming capabilities, and RTSP and HLS streaming protocol support. Also includes a component HD (YpbPr) output.

ITEM	DESCRIPTION	PRICE
CLEARVIEW-HD-USB	ClearVIEW-HD-USB camera for video streaming over USB/Ethernet	4045.00
WALLVIEW-HD-USB-SR	ClearVIEW-HD-USB with active USB2.0 port-powered extension cable for power/video/control (up to 65')	4495.00
WALLVIEW-HD-USB-PRO	ClearVIEW-HD-USB with 1 pair of active USB2.0 extenders and power extension module (up to 150')	4945.00