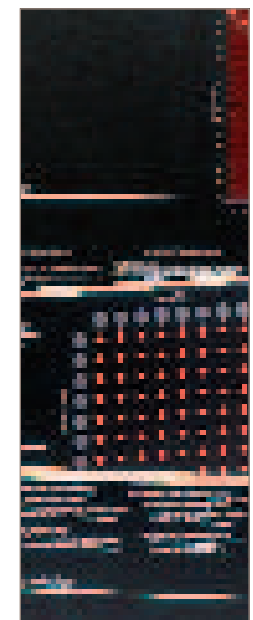
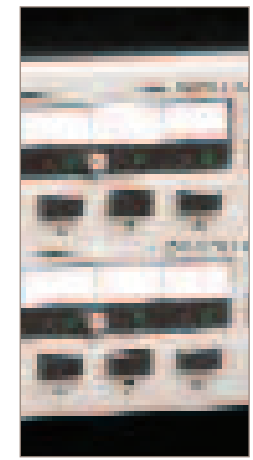
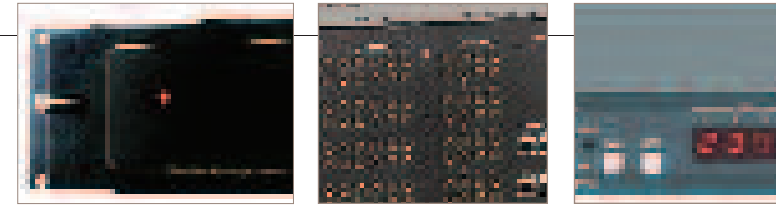


BUYER'S GUIDE

AV MATRIX SWITCHERS

Multiple input/output switchers targeted for use in pro AV applications.



COMPANY	MODEL	LIST PRICE	I/O CONFIGURATION AND RACK SPACES	FRONT PANEL CONTROL	PRESET CONFIGURATIONS	CONTROL TYPE	VIDEO BANDWIDTH	VIDEO CONNECTOR TYPES	VIDEO INPUT/OUTPUT SIGNAL TYPES	AUDIO CONNECTOR TYPES	AUDIO INPUT/OUTPUT SIGNAL TYPES				
Altinex www.altinex.com	MT0808VG	\$3,760	8x8, 2U	Yes (all models)	Yes (all models)	Front panel, RS232 (all models)	250 MHz	HD15	RGBHV (HD-15 connectors)	Phoenix	Balanced				
	MT1616MX	\$8,275	16x16, 4U				BNC	RGBHV, RGSB, RSGSBS, 5-video, component, HDTV, composite (BNC connectors)	N/A	N/A					
	MT400-016	\$9,721	16x16, 4U				150 MHz	RJ45	RGBHV (HD-15), 5-video (4-pin mini DIN), or composite (RCA)	Phoenix	Balanced				
AutoPatch www.autopatch.com	PrecisLT	Starts at \$725	4x4, 4x8, 8x4, 8x8, 1 or 2 RU	Yes	No	RS232, front panel, TCP/IP	50 Hz-300 MHz	Composite, S-video, component, RGBHV	Composite, S-video, component, RGBHV	RCA, Phoenix	Balanced, unbalanced				
	PrecisLT w/DSP	Starts at \$1,400	8x8, 1 RU; 18x18, 2 RU	No	No	RS232, TCP/IP	N/A	N/A	N/A	RCA	Unbalanced				
	Optima	N/A	4x2, 4x4, 4x8, 8x4, 8x8, 15x15, 16x16, 16x24, 20x4, 20x20, 24x4, 24x16, 36x4, 2 and/or 3 RU	Yes	Yes	RS232, remote, front panel, TCP/IP	50 Hz-300 MHz	Composite, S-video, component, RGBHV, DVI, SD-SDI, HD-SDI	Composite, S-video, component, RGBHV, DVI, SD-SDI, HD-SDI	Phoenix	Balanced, unbalanced, S/PDIF, TOSLINK				
Barco www.barco.com	MatrixPro Analog Series	\$4,995 to \$10,595	12x8, 5 RU; 16x16, 9 RU	Yes (all models)	Yes (all models)	Front panel (12x8 only), RS232, RS485 over 25-pin cable or Ethernet (all models)	350 MHz, -3 dB, fully loaded	(5) BNC females per input and output channel	RGBHV, RGSB, RGSB, RSGSBS, HDTV, component, 5-video, composite	3.5 mm captive screw connectors, 5-pole	Balanced/unbalanced, stereo				
	MatrixPRO Serial Digital Series	\$5,395 to \$10,995	8x8, 2 RU; 16x16, 2 RU				SMPTTE 259M and 192M compliant	(1) BNC female per input and output channel	SMPTTE 259M/292M-compliant SDI or HD-SDI signal types	N/A	N/A				
	MatrixPRO DVI Series	N/A	8x8, 2 RU				Up to 1600x1200 @ 85 Hz	(1) DVI-I per input and output channel	Progressive DVI signals up to 1600x1200 @ 85 Hz	N/A	N/A				
Burst Electronics www.burstelectronics.com	AV4x1P	\$195	4x1, 3 in a 1 RU	Yes (all models)	No (all models)	Front panel (all models)	33 MHz	BNC	Composite	RCA	Unbalanced, stereo				
	AV8x1P	\$295	8x1, 2 in a 1 RU				(all models)	(all models)	(all models)	(all models)	(all models)	(all models)			
	AV8x1A	\$400	8x1, 2 in a 1 RU												
Crestron www.crestron.com	CNX-PVID8X4	\$6,200	32x8, 4 RU	No (both models)	Yes (both models)	Proprietary, Cresnet	100 MHz	RCA, RJ45	Component, S-video, component	RCA	S/PDIF				
	CNX-BIPAD8	\$3,000	16x8, 2 RU				N/A	N/A	N/A	RCA, RJ45	Unbalanced, balanced				
Extron www.extron.com	MAV SVA Series	\$1,000 to \$1,750	4x4 to 8x8, 1 RU	Yes (all models)	Yes, 16	RS232	150 MHz, -3 dB, fully loaded	4-pin DIN	5-video	Phoenix or RCA, depending on model	Balanced or unbalanced, depending on model				
	MAV Plus Series	\$1,990 to \$38,830	8x8 to 64x64, 2 to 13 RU				150 MHz, -3 dB, fully loaded					BNC	Composite, S-video, HDTV, YUV	Phoenix or RCA, depending on model	Balanced or unbalanced, depending on model
	CrossPoint	\$3,690 to \$140,560	8x4, 3 RU to 64x64, 37 RU				450 MHz, -3 dB, fully loaded								
	450 Plus Series														
FSR www.fsrinc.com	PFD-8x8-C (CA)	\$2,159	8x8, 2 RU	Yes (all models)	Yes, 32 (all models)	Front panel, RS232, IP (all models)	150 MHz, ± 0.5 dB; 200 MHz, -3 dB, fully loaded (worst channel)	BNC (all models)	Composite	10-position pluggable Phoenix, A models (all models)	Balanced, stereo, A models (all models)				
	PFD-8x8-HD (HD A)	\$3,769	8x8, 3 RU				450 MHz, ± 1 dB; 600 MHz, -3 dB, fully loaded (worst channel)					HD component, 720p, 1080i/p			
	PFD-8x8-RGB (RGB A)	\$3,999	8x8, 3 RU				450 MHz, ± 1 dB; 600 MHz, -3 dB, fully loaded (worst channel)						RGBHV		
Gefen www.gefen.com	EXT-HDMI-444	\$1,999	4x4, 1 RU	No (all models)	No (all models)	RS232, IR remote	1.65 Gb/s	HDMI, Type A, 19-pin female	Input signal: 1.2 Vp-p, HDMI 1080p/1920x1200	HDMI	Mini stereo				
	EXT-HDTV-444	\$1,999	4x4 DVI and 4x4 USB, 4 RU				DVI-I, 29-pin female (digital only)					(4) USB input/output, DVI 1080p/1920x1200	N/A	N/A	
	EXT-DVI-444	\$2,499	4x4 DVI and 4x4 USB, 4 RU				DVI-I, 29-pin female (digital only), USB input Type B, USB output Type A					DVI 1080p/1920x1200	N/A	N/A	
Hall Research Technologies www.hallresearch.com	VSM-404	\$1,295	4x4, 8.3 (H) x 5.3 (W) x 2.3 (D) inches (desktop)	No	No (all models)	RS232, control keypad	250 MHz, -3 dB, fully loaded	HD-sub, 15-pin (VGA)	RGBHV	N/A	N/A				
	VSM-802B	\$1,950	8x2, 1.5 (H) x 12.1 (W) x 4.1 (D) inches (desktop)				265 MHz, -3 dB, fully loaded					HD-sub, 15-pin (VGA)	RGBHV, RGSB, RGSB	N/A	
	TVB-200+	\$350	4x1, 6.9 (H) x 3.3 (W) x 1.8 (D) inches (desktop)				250 MHz, -3 dB, fully loaded								(1) HD-15, (1) S-video, (2) RCA
Intelix www.intelix.com	AVM8L8L-BRGBHV	\$9,533	8x8, 5 RU	No (all models)	Yes, 64 (all models)	RS232, contact closure, IP (all models)	250 MHz, fully loaded	BNC (all models)	RGBHV, RGB, S-video, Y/C, composite	Phoenix	Mic or line, preamplified (all models)				
	AVM8L8L-BRGBS	\$8,236	8x8, 4 RU				250 MHz, fully loaded					RGB, S-video, Y/C, composite			
	AVM8L8L-BYC	\$6,624	8x8, 3 RU				250 MHz, -3 dB, fully loaded						S-video, Y/C, composite		
Knox Video Technologies www.knoxvideo.com	RSII	N/A	16x16, 2 or 3 RU	Optional	Yes, multiple configurations (all models)	RS232 or RS422, optional IP, or front panel	30 MHz-200 MHz	BNC, RCA, S-video	NTSC, PAL, S-video, RGB, YUV, YPbPr, SDI	RCA, Phoenix (all models)	Balanced, unbalanced, S/PDIF, AES/EBU				
	Chameleon	(all models)	8x8 to 256x256, rack size depends on configuration				RS232, optional IP, or front panel					30 MHz-200 MHz	NTSC, PAL, S-video, RGB, YUV, YPbPr, RGSB, RGBHV	Balanced, unbalanced, S/PDIF	
	RS Series	(all models)	4x4 to 16x16, 2 to 6 RU	Yes		RS232, front panel	200 MHz	BNC, RCA, S-video	NTSC, PAL, S-video, RGB, YUV, YPbPr, RGSB, RGBHV	Balanced, unbalanced, S/PDIF					
Kramer Electronics www.kramerus.com	V5-5K5	\$795	5x5, 1 RU	Yes (all models)	Yes, 10	Front panel, RS232, RS485, IR	70 MHz, -3 dB, fully loaded	BNC	Composite	Phoenix	Balanced, stereo				
	V5-6YC	\$720	4x4, 1 RU				37 MHz, -3 dB, fully loaded					BNC, 4-pin	Composite, S-video	RCA	Unbalanced, stereo
	V5-1202YC	\$2,195	12x2, 2 RU				37 MHz, -3 dB, fully loaded								
Magenta Research www.magenta-research.com	MultiView Matrix 8x8	\$3,995	8x8, 1 RU	Yes	Yes, 8	Front panel, RS232 remote, IP	N/A, supports 1600x1200 (all models)	RJ45 (all models)	RGBHV, RGSB, component, HDTV, S-video, composite (all models)	RJ45 (carried with video), Phoenix and/or stereo mini-jack on auxiliary transceivers (all models)	Balanced (all models)				
	MultiView Matrix 16x16	\$11,900	16x16, 2 RU				Yes, 16								
	Mondo Matrix 32x16	\$16,500	32x16, 4 RU	No	Yes, with auxiliary control equipment	RS232 or IP									
Panasonic Broadcast www.panasonic.com/ broadcast	AV-H5300	\$7,990	8x8, 2 RU	Yes (both models)	Yes, 9	Front panel, RS422A, serial editor	Input return loss more than 15 dB, 5 MHz-750 MHz; more than 10 dB, 750 MHz-1.5 GHz	BNC	SDI, HD analog,	XLR, RCA, BNC	N/A				
	AG-MX70	\$6,925	(both models)				Yes, 13					Front panel, RS422A, RS232C, GPI terminal	Y: 0.5 MHz-5 MHz (±1.0 dB); Pb/Pr: 0.25 MHz-2.5 MHz (±1.0 dB)	N/A	Component, composite, S-video, BNC
Teq Gear www.teqgear.com	MSW220	\$2,995	16x16, rack size starts at 3 RU, depending on matrix	Yes (all models)	N/A (all models)	RS232, IR, optional network, TCP/IP (all models)	150 MHz, -3 dB	BNC (all models)	Composite	RCA	Unbalanced, balanced (all models)				
	MSQ220	\$9,995	16x16, rack size starts at 3 RU, depending on matrix				400 MHz, -3 dB					RGBHV, RGSB, RGSB, computer	Captive screw		
	MSR/MSQ Series	Starts at \$1,595	8x2 to 128x128, rack size starts at 3 RU, depending on matrix				400 MHz, -3 dB		RGBHV, RGSB, RGSB, computer	Captive screw					