UltraMatrix AV



Features and Benefits

- Available models:
 - 8 video/audio in 8 video/audio out
 - 16 video/audio in –16 video/audio out
 - 16 video/audio in 32 video/audio out (NOTE: Audio option available on 8x8 and 16x16 models)
- Extends the monitor and speakers up to 100 feet from the unit
- Supports all video formats (VGA / SVGA / XGA / RGBHV / SOG and others)
- Video bandwidth of 200MHz
- Supports resolutions up to 1600 x 1200
- Save and playback up to 50 different macro routing sequences
- Click and switch intuitive software for video and audio switching
- Add additional units to increase the number of monitors (up to 64)
- Windows based software control for quick and easy switching

	annesi a j an j	Origial Names	Citizentes 1
1001	1+++++++++++++++++++++++++++++++++++++	M.01	1 custored a
21102	210000000000000000	20.002	1 - units agreed in
1:02	210000000000000000000000000000000000000	0M00 1	
2+04	ALC	0/08	2-cranignel /
21.02		0408 2	
In Chi		04.00	3 cureagend >
8007		24.00	
and a		04/0 4 04/0 4 04/0 8	A comigeD
1-01		0410 1981	11111111111111111
21.10		0411 10	D unmapped r
		10012 12	C. Horadoore
3111		10410 00	6 Consigned >
9415		03.14 14	
3+1.0	<u></u>	0411 11 0411 11 0411 10 0411 10 0411 11 0411 11 0411 11	
3114	<u></u>	0,116	Z ∈ scosiared >
3115	1000000000000000000	19970	
2124	HE CONTRACTOR OF A CONTRACTOR	Viter Autor	Record

Pick the source, pick the destination, Click on the cross-point in the matrix and instantly switch

Audio / Video Matrix Switch

Available in 3 different models, an 8 x 8, 16 x 16, or 16 x 32 model combinations (8x8 and 16x16 offer audio switching option) Switch input video and audio sources to one or more video and audio outputs Switch video and audio from any input to any output

Click and switch on-screen matrix for quick and easy video and audio routing

Built-in macro player/recorder for controlling video and audio switching

The UltraMatrix AV[™] Advantage . .

Designed especially for control rooms, audio/video presentations, security centers and many other digital media applications.

Easily connect any video / audio source to any video / audio output using the switching matrix software. Video and audio sources are routed together from an input source to an output destination.

Record your video and audio switching scheme and save it in a macro for on demand use.

Display the switching matrix panel and where the source and destination cross, click on that point and the video and audio are instantly switched.



Typical Application



Switch up to 8 or 16 video / audio sources

Overview The UltraMatrix AV is a high-quality video and stereo audio switching matrix. Up to 8 or16 video and 8 or 16 audio sources can be switched to eight, sixteen, or 32 different video monitors and stereo speakers up to 100 foot away. Video and audio sources are switched together to multiple destinations.

Installation Installing your UltraMatrix AV is an easy and simple process. Connect your computers video and audio output ports to the corresponding ports on the right side or the rear panel. Connect the monitors and stereo speakers to corresponding ports on the left side of the rear panel. Install the communication software on the controlling computer. Connect the controlling computer's serial port to UltraMatrix AV's serial connector using a serial control cable and apply power.

Operation

Input h	ames	1 2	2	4 5	6	7 0	2 :	10 11	L 12	10 14	15 16	Outp	ut Names		Macros
3n01	1	.	-0-	<u>0-0</u>	-0-1	0-0	-0-1	0-0	-0-	-0-6	-0-0	Out 01	1	111	A.C. 18 140
an 02	z	0-0	-0-	0-0	-0-1	-0	-0-1	6-6	-0-	-0-0	-0-0	OUR 02	2		1 < unacsigned >
1n03	21	1 -0			1			1.1	1	1.1	1.1	Out 03	2		
10/04	-	XX		τT	0.0	1.1			01			OUX 04	-		2 < unassigned >
1n05		IΪ	1	ЦΗ	1	ĽΧ	Π.	1.1		1.1	XX	Out 05	2		
1006		TT		1.1		101	1	101	00	101		OLA 05	6		3 (unassigned)
		-	-9-			PP	-9-		11	9-9	HUM	Out 07	2		
3n 07	7	0-0	-0-	0-0	-0-1	- •	-0-	9-9	-e-	-0-0	-0-0	OUX 08	0		4 < unaxigned >
an 06	8	<u>0-0</u>	-0-	<u>0-0</u>	-0-1	0-0	٠	0-0	-0-	0-0		Out 09	9		
1n09	2	<u>à-à</u>	-0-1	0-0	-0-1	-0	-0-1	-	-0-	-0-0	-0-0	Out 10	10		
to 10	10	I.I	1	1.1					1.	7.7		Out 11 Out 12	11		5 < unassigned >
Inti	11	II	1	1.1	1	ĽΧ	1	1.1		1.1	1.1	Dut 12	15		
In12		II	T	IT.			1			1.1	101	0.011	12		6 < unassigned >
	12	-	-91	9-9		PP	-9-1		100	9-9	HYPY	0.415			
3n 13	12	-0	-0-	0-0	-0-1	9-9	-0-1	0-0	-0-	-0-0	-0-0	Out 15 Out 16	11		7 < unassigned >
3n 14	14	0-0	-0-	0-0	-0-1	0-0	-0-1	0-0	-0-	-0-0	-0-0	jout 16	10	9	
lh15	15		-		-	-	-	1					ALL		
10.16	16	II	I	ΤI	I		T.	TT		TI	TI	Video	and the second second		Record

Choose the video and audio source from the left column, choose the destination from the top row, click on the cross point and the connection is made. Record a switching sequence and save it in a macro. Play a macro simply by clicking of the specific macro button.

Note: All models switch using the matrix software, the 8x8 model can also be operated from the front panel push buttons and LCD display.

Part Numbers

UMA-08VX08V	8 x 8 AV Matrix switch (VGA)						
UMA-16VX16V	16 x 16 AV Matrix Switch (VGA)						
UMA-16VX32V	16 x 32 AV Matrix Switch (VGA)						
-A1 part number suffix = uni-directional audio							

Specifications

Dimensions	Width	Depth	Height	Weight					
8 x 8 (in)	19.0	11.25							
(cm)	48.2	28.6	13.3	3.0 kg					
16 x 16 (in)	19.0	11.25	5.24	20 lbs					
(cm)	48.2	28.6	13.3	7.5 kg					
Resolution		Up to	Up to 1600 x 1200						
Bandwidth		200 N	200 MHz						
VIDEO Input Sign Input Impe Output Im	edance	75 Ω							
AUDIO Freq. Resp Signal	oonse		20 Hz to 20 KHz +/- 0.5dB 15KHz 0 dB unbalanced, 100 Ω						
Connectors Video Audio			HD15F 3.5mm stereo audio jack						
Power 16 x 16 - 90 – 230 VAC IEC, 1A 50/60 Hz 8 x 8 – 90 – 230 VAC, 3A 50/60Hz to 5VDC power adapter									
		Rear	Panel						

Rear Panel

8 video & 8 audio in | 8 video & 8 audio out



16 video & 16 audio out | 16 video & 16 audio in

Phone: 281-933-7673 E-mail: sales@rose.com 10707 Stancliff Rd. Houston, TX 77099 Rose Electronics - Europe: +49 (0)2454 969442 Rose Electronics - Asia: +65 6324 2322



DS - UM-AV - 1.6

© Copyright 2009 Rose Electronics. All rights reserved