

DE-4 / 8 / 12 / 16 "UNIVERSAL" MULTIVIEWER

Key Features

- Universal inputs
- 4-16 auto-detect DVI, VGA, YPbPr, composite, HDMI (optional) an SD-SDI/HD-SDI (optional) inputs
- 16 channels of embedded audio per SDI input
- 4 channels of discrete audio per input (optional)
- Field upgradable to allow discrete audio (AES/AA)
- Multiple outputs in DVI, HDMI or VGA (option)
- Output resolution up to 2048 x 1080 (incl. 1080p)
- Built-in CATx extenders for each output
 - Passive short-distance receivers up to 35 feet
 - Active long-distance receivers up to 115 feet (option)
- Multiple labels per video windows - UMD, OMD, IMD, standalone labels
- Automatic input aspect ratio detection
- Built-in video, audio alarm detections - no audio, audio high/low, no video, video black, video frozen
- Apantac skin technology allows on-screen graphical elements to be designed with any graphics tool
- Front panel headphone jack with volume adjustment for audio monitoring
- Front panel buttons for quick preset recalls
- 1 RU with optional redundant power supply
- 3 year limited warranty

Accessories

Standard

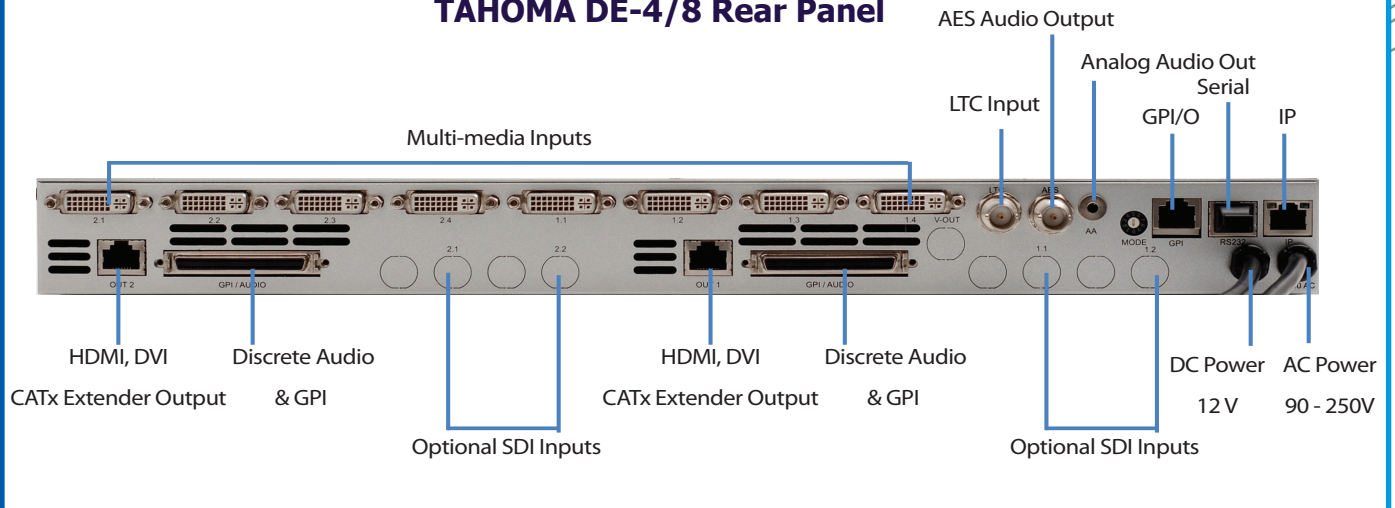
- 15 feet of CAT5 cable
- DVI and HDMI short distance receiver
- Rack mount
- SCSI to DB9 for GPI
- RJ50 to DB9 for GPI per module
- RJ45 to DB9 for serial
- CD (software, manual)

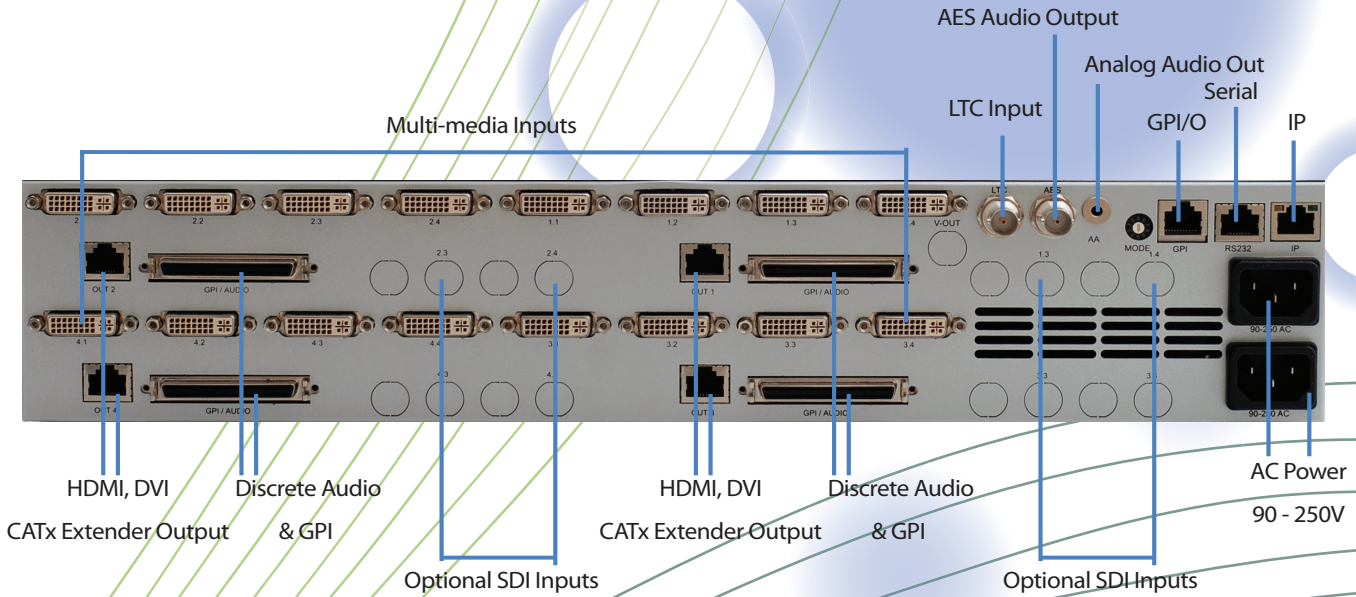
Options

- SDI Output (1 per module)
- HDMI, DVI, VGA long distance active receivers
- 8 channel AES balanced or unbalanced breakout
- 16 channel AA balanced or unbalanced breakout
- Redundant power supply



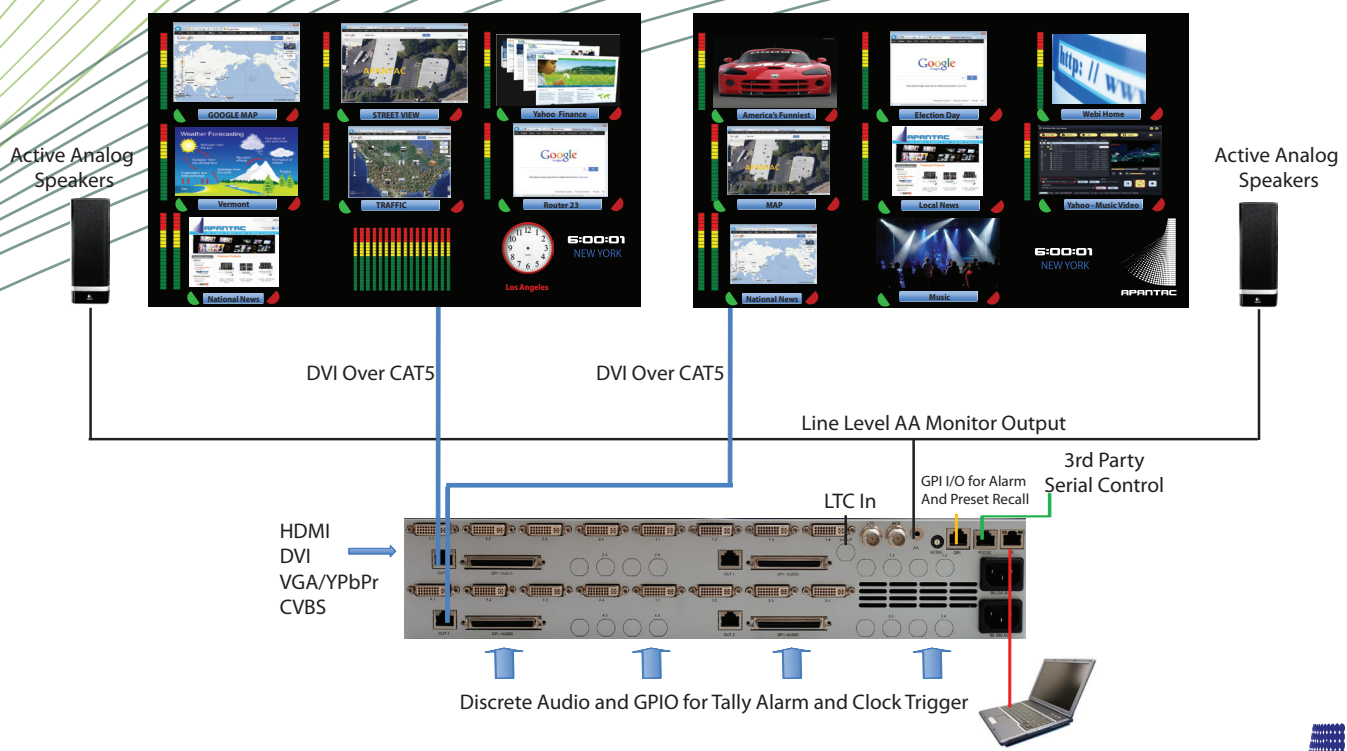
TAHOMA DE-4/8 Rear Panel



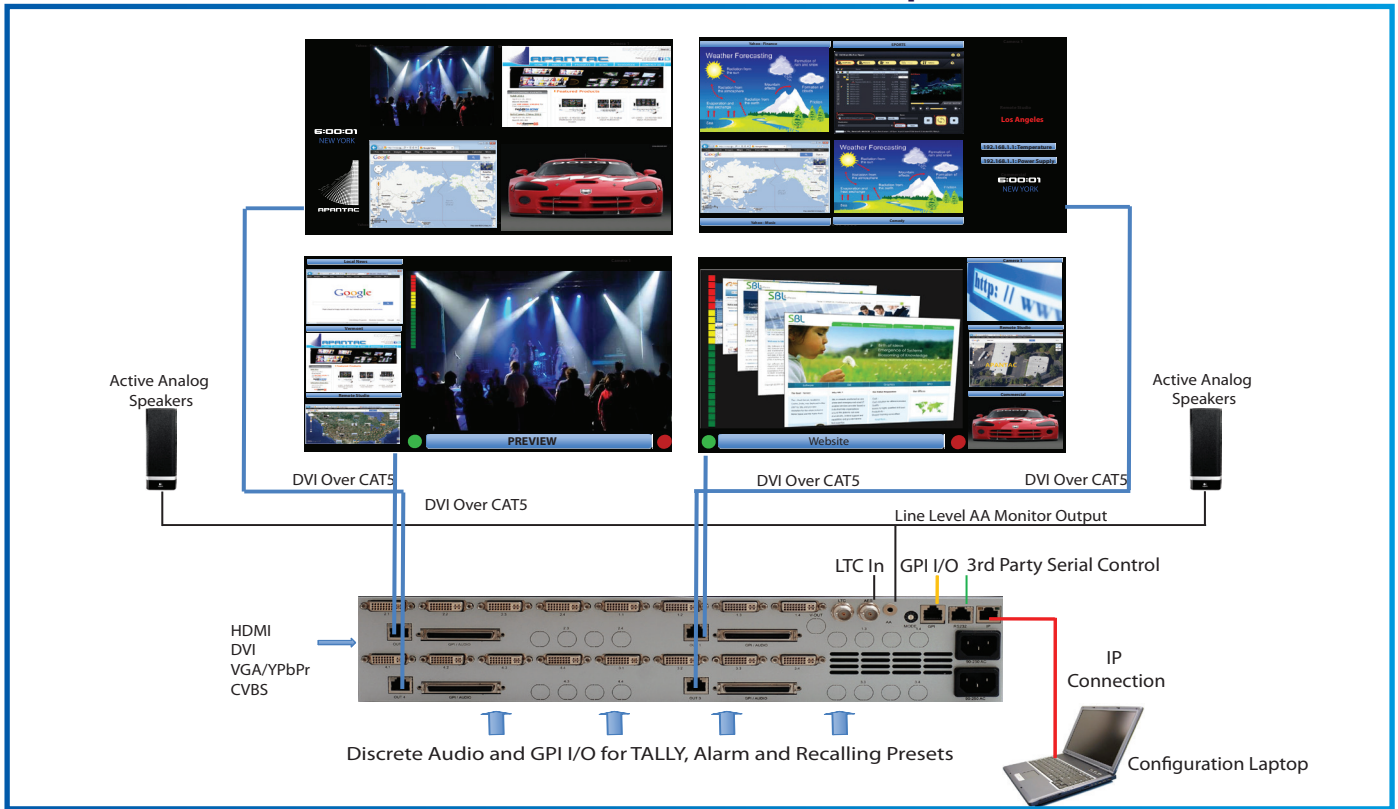


2 RU for TAHOMA-DE-12, DE-16

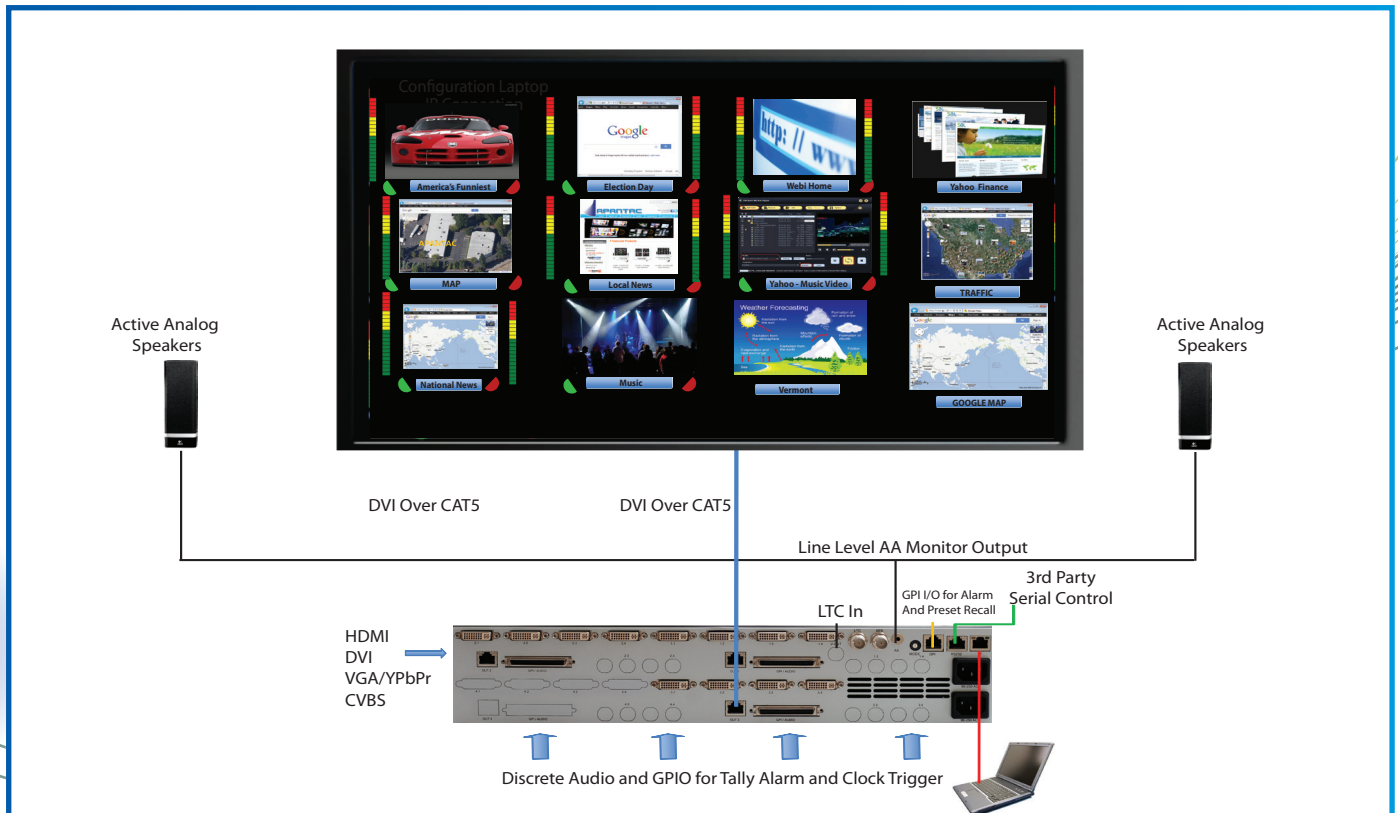
TAHOMA DE-8 with Two Outputs



TAHOMA DE-16 with Four Outputs



TAHOMA DE-12 with One Output



The TAHOMA-DE-8 Multiviewer has 2 flexible DVI/VGA/HDMI (1.2/3) outputs and an optional SDI output with user selectable resolutions up to 2048x1080 (including 1920x1080p).

OUTPUT	1	2
INPUTS	4	4
	8	

The TAHOMA-DE-8 1 RU Frame also supports the TAHOMA-DE-4

The TAHOMA-DE-16 Multiviewer has 4 flexible DVI/VGA/HDMI (1.2/3) / VGA outputs and an optional SDI output with user selectable resolutions up to 2048x1080 (including 1920x1080p).

OUTPUT	1	2	3	4
INPUTS	4	4	4	4
	4	4	8	
	8		8	
	12			4
	16			

The TAHOMA-DE-16 2RU frame also supports the following model:

-TAHOMA-DE-12 - 12 auto-detect DVI/VGA/HDMI/Composite/YPbPr/YC inputs and an optional HD-SDI/SD-SDI input

SPECIFICATIONS			
VIDEO INPUTS	Up to 16 DVI/VGA/HDMI/3G/HD/Composite/YPbPr/YC and optional HD-SDI/SD-SDI	Discrete AES Audio	Up to 4 channels / video input (2 pairs, balanced / unbalanced)
Connectors	BNC IEC 61169-8 Annex A, DVI-I (DVI-I-VGA Adaptor, opt DVI-I-Composite/C/YPbPr Adaptor, opt DVI-1-HDMI Adaptor)	Discrete Analog Audio	Up to 4 channels / video input (2 pairs, balanced / unbalanced)
Total Windows	4, 8, 12 or 16	Outputs	1-4 DVI, HDMI, VGA / SDI (optional)
Serial Digital	SMPTE 424M, 292M, 259M	Output Resolution	800 x 480 - 2048 x 1080 (1080p)
Equalization	120m at 2.97 Gbps, 140m at 1.48 Gbps, 400m at 270 Mbps with Belden 1694A	Built-in Extender	Up to 35 feet with passive receiver Up to 115 feet with active receiver (option) Up to 300 feet with HDBaseT Extender (option) Up to 1500 feet with Fiber Extender (option)
Return Loss	> 15db up to 1.485 Gbps > 10db up to 3G	On Screen Display	Skin Technology for customizing borders, labels (4/window), fonts, tally LEDs, clock faces, logos, UMD, OMD, IMD, dynamic UMD
Embedded Audio	SMPTE-272M-A	General Purpose IO	Up to 40 inputs with DB9 connectors
Composite	NTSC (SMPTE-170M), PAL (ITU624-2)	Serial Port	RS232 with RS422 or 485 option Connector: RJ45, Baud Rate up to 115200 Format, TSL, TSI, AXP
Signal Level	1V nominal	IP	100 Base-Tx, TSL, AXP, Conn: RJ45
DC Offset	0V, + - 0.1V	Electrical	100W, 90 - 250V 50/60 Hz for 1RU 200W, 90 - 250V 50/60 Hz for 2RU
Impedance	75 ohm for BNC, 100 ohm for DVI-I	EMI/RFI	Complies with FCC Part 15 Class A, CE, EU EMC, C-tick
Return Loss	40db up to 5MHz	Power	Optional redundant power supply 1 RU Standard redundant power supply 2 RU
Alarms	No audio, audio high/low, no video, video black, video frozen	Size	1 RU, 44.5 cm (17.5") W x 50 cm (19.7") D, 2 RU, 44.5 cm (17.5") W x 60 cm (23.6") D
CONTROL	Front panel buttons for quick preset recalls, GPIs, Apantac ASCII Protocol (AXP), Director		

