

Tech Spec

AV Bridge MatrixMIX

Multipurpose AV Switcher

Optimized for Soft Conferencing Clients

North America: 999-5660-000

Europe and UK: 999-5660-001

Australia and New Zealand: 999-5660-009



Features

Operator-friendly:

- IP connectivity to controllers for virtualized control across the network
- Intuitive, visually consistent interfaces – web interface or connected TeleTouch Multiviewer
- Basic configuration tasks available from the front panel
- Separate outputs for program, preview, and multiview

Versatile connectivity:

- RS-232 ports for 6 cameras
- HDMI inputs with embedded audio support - video from 6 cameras and 2 additional video sources
- Audio: 2 microphone/line inputs and 2 line outputs
- USB 3.0 port for uncompressed AV streaming, USB 2.0 ports for control (touch-panel or pointing device)
- Network connection for IP H.264 streaming and virtualized control from anywhere

Professional results:

- PIP functions; graphics functions including keys, digital on-screen graphics, and banners
- Automatic echo cancellation and speech lift for crystal-clear audio
- Simultaneous USB and IP streaming outputs

Connector Panel



Connections, left to right, by row:

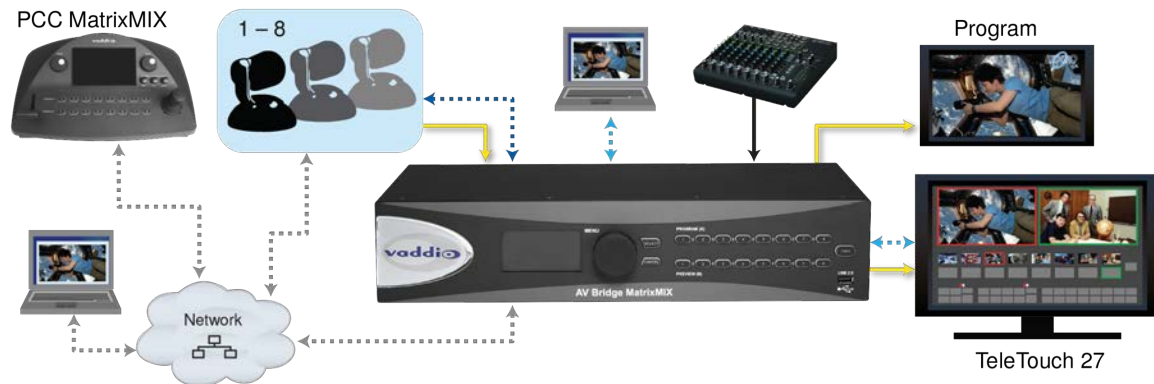
- External Control: RS-232 port for external control device; trigger inputs for up to 10 presenter-controlled devices
- RS-232 Ports (Camera 1 - Camera 6): Camera control connections
- Audio I/O: Connections for 2 microphones (or other line inputs) and 2 line outputs
- 12 VDC 5.0 Amp: Power connection
- Network: Control, IP streaming, graphics
- USB 3.0: Uncompressed audio and video stream
- USB 2.0 ports, front and back: Control (TeleTouch 27 USB or pointing device)
- HDMI Inputs: Video from connected cameras and other video sources; HDCP support
- HDMI Outputs: Program, preview, and multiview; audio on program and preview

What's Included

- AV Bridge MatrixMIX multipurpose AV switcher
- 12 VDC, 5 A power supply
- AC power cord set(s)

Basic Connections

The diagram below shows a basic live production setup.



Specifications

Camera and Video HDMI Inputs		Program, Preview, and Multiview HDMI Outputs	
Color Space	YCbCr or sRGB	Color Space	YCbCr or sRGB
Resolution (Inputs 1-6)	720p/50 to 1080p/60	Resolution	720p/50 to 1080p/60
Resolution (Inputs 7, 8)	720p/50 to 2048x1152/60	HDCP Support	Program and Preview
IP Streaming		USB Streaming	
Channels	1 video+audio	Channels	1 video, 2 audio
Format	RTSP	Drivers	UVC, UAC
Encoding	H.264	Resolution	180p/15 to 1080p/30, autonegotiated
Resolutions	360p/15 to 1080p/30		
Audio Line Inputs (Balanced)		Audio Line Outputs (Balanced)	
Frequency Response	20Hz to 20 KHz	Frequency Response	20Hz to 20 KHz
Dynamic Range	>90 dB	Dynamic Range	>90 dB
THD + Noise	< 0.1% (Mic Level)	THD + Noise	< 0.2%
Impedance	10 Kohm	Impedance	< 50 ohms
HDMI Audio		IP and USB Streaming Audio	
Channels	Stereo	Channels	Stereo
Sample Rate	48 KHz	Sample Rate	48 KHz
Resolution	16 bit	Resolution	16 bit

Power, Physical and Environmental

Input Power	12 VDC, 5 A	Audio line in phantom power	48 VDC, 10 mA
Height	2 RU; 3.47 in. (8.8 cm)	Width	16.7 in. (42.5 cm)
Depth	8 in. (20.3 cm)	Weight	9.15 lb (4.15 kg)
Temperature	Operating: 32° to 104° F (0° to 40° C); Storage: 23° to 140° F (-5° to 60° C)		
Humidity	Operating and Storage: 15% to 80% RH non-condensing		

Specifications are subject to change without notice.