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

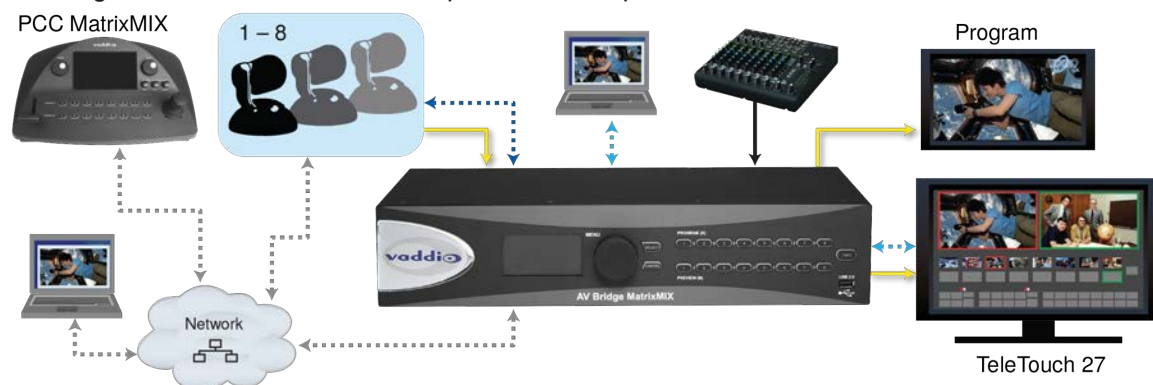## Connector Panel

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 **Resolution (Inputs 1-6)** **Resolution (Inputs 7, 8)**	YCbCr or sRGB 720p/50 to 1080p/60 720p/50 to 2048x1152/60	**Color Space** **Resolution** **HDCP Support**	YCbCr or sRGB 720p/50 to 1080p/60 Program and Preview
IP Streaming		**USB Streaming**	
Channels **Format** **Encoding** **Resolutions**	1 video+audio RTSP H.264 360p/15 to 1080p/30	**Channels** **Drivers** **Resolution**	1 video, 2 audio UVC, UAC 180p/15 to 1080p/30, autonegotiated
Audio Line Inputs (Balanced)		**Audio Line Outputs (Balanced)**	
Frequency Response **Dynamic Range** **THD + Noise** **Impedance**	20Hz to 20 KHz >90 dB < 0.1% (Mic Level) 10 Kohm	**Frequency Response** **Dynamic Range** **THD + Noise** **Impedance**	20Hz to 20 KHz >90 dB < 0.2% < 50 ohms
HDMI Audio		**IP and USB Streaming Audio**	
Channels **Sample Rate** **Resolution**	Stereo 48 KHz 16 bit	**Channels** **Sample Rate** **Resolution**	Stereo 48 KHz 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 **Humidity**	Operating: 32° to 104° F (0° to 40° C); Storage: 23° to 140° F (-5° to 60° C) Operating and Storage: 15% to 80% RH non-condensing		

Specifications are subject to change without notice.