

# **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:

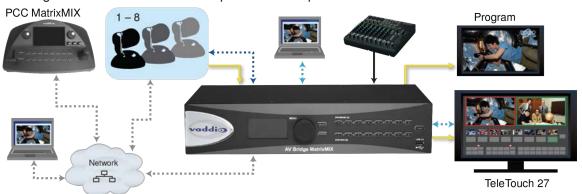
- External Control: RS-232 port for external control device; trigger inputs for up to 10 presenter-controlled devices
- RS-232 Ports (Camera 1 Camera 6): Camera control connections
- Audio I/O: Connections for 2 microphones (or other line inputs) and 2 line outputs
- 12 VDC 5.0 Amp: Power connection
- 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.