AV Bridge Nano

Desktop Audio and Video Encoder

ORDERING INFORMATION

999-82600-000 (worldwide)

OVERVIEW

Ideal for lecture halls, corporate conference rooms, town halls, and houses of worship, AV Bridge Nano enables reliable streaming and video capture scenarios over USB or RTSP/RTMP. With AV Bridge Nano you can bridge any HDMI and audio source into soft conferencing applications such as Microsoft Teams, Zoom and Google Meet through its powerful USB 3.0 interface. Easily stream on platforms like YouTube Live, Facebook, Twitch and Panopto thanks to built-in RTMP streaming. An HDMI pass-through feature makes it easy to integrate into Cisco codec setups. Its small form factor allows for mounting behind a display or convenient portability. The Vaddio Deployment Tool allows for mass deployment and remote management of the AV Bridge Nano.

FEATURES

- Converts an HDMI source into plug-and-play USB and IP connections for use in soft-conferencing or streaming software

- Single device capable of USB or IP streaming (up to 1080p/60 quality with USB 3.0)

- Compact size, portable and perfect for under-table or behind-display mounting

- Kensington Security Slot for peace of mind

FRONT PANEL

- **HDMI IN** – video from the connected source up to 1080p/60

- **LINE IN** – 3.5mm stereo Line Level Unbalanced Audio

- **LINE OUT** – 3.5mm stereo Line Level Unbalanced Audio

- **STREAM button** – start/stop the IP stream, illuminated when streaming

- **POWER indicator** – illuminated when powered on

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BACK PANEL

- **12 VDC, 1.0 Amp power connector** – connect only the power supply shipped with AV Bridge Nano

- **1Gbps ETHERNET RJ-45** – connect to the network for IP streaming and remote device control via web interface and telnet/SSH clish

- **HDMI LOOP OUT** – mirror of the HDMI input, up to 1080p output

- **USB-C 3.0** – streams 1080p/60 uncompressed UVC standard video over USB 3.0 and uses MJPEG compression over USB 2.0 1080p/30

- **IP button** – press to show device IP address on HDMI and USB output, long hold for Factory Reset

TECHNICAL SPECIFICATIONS

Encoder	USB Type C	USB 3.2 Gen 1x1, USB 3.1 Gen 1, USB 3.0 and USB 2.0 compatible. Up to 1080p/60 uncompressed over USB 3.0, up to 1080p/30 over USB 2.0 using MJPEG compression, with stereo bi-directional audio using standards-based UVC and UAC drivers.
	IP Stream	RTSP and RTMP up to 1080p/30 H.264 IP stream, with stereo AAC audio
	HDMI Input	Up to 1080p/60 with stereo audio. Supported input resolutions: Video formats: ▪ 1080p, 720p @ 60, 59.94, 50, 30, 29.97, 25Hz PC Graphic formats @ 60Hz: ▪ 1600x900 (HD+), 1366x768 (HD), 1280x800 (WXGA), 1280x768 (WXGA), 1024x768 (XGA), 800x600 (SVGA), 640x480 (VGA)
	HDMI Loop Out	Up to 1080p/60 16:9 video with stereo audio.
	Audio Input	Stereo USB, HDMI, and Unbalanced Line-Level input.
	Audio Output	Stereo USB, HDMI, AAC IP Audio Stream and Unbalanced Line-Level output.
	Audio Mixing	Per channel audio level controls, including 6x8 audio matrix for audio routing. 3 Factory and up to 16 Custom Configured audio presets.
	Control	Browser-based user interface for configuration and administration, telnet and SSH command line interface, front panel controls for IP streaming toggle, rear panel button for IP address overlay and factory reset.
	Device Management	Compatible with Vaddio Deployment Tool for easy network device discovery, configuration and firmware updates. No subscription required.
	Dimensions	Height 1.27 in (3.2 cm); Width 5.83 in (14.8 cm); Depth 4.43 in (11.3 cm)
	Operating Storage Temperature	0°C to +40°C (32°F to 104°F), 20% to 80% Humidity

Specifications are subject to change without notice

WHAT'S IN THE BOX:

- AV Bridge Nano
- 12V power supply with international adapter plugs
- 3 ft. (0.9m) USB 3.0 cable, type C to A
- Quick-start card

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