Installation Guide for the

Venture VideoBAR All-in-One Conferencing Camera and Venture TableMIC Tabletop Expansion Microphone

This guide contains only the information required to install this product. Refer to the **Complete Manual for Venture VideoBAR and Venture TableMIC** for information on configuring and using this product.

Overview

This guide provides information about:

- **Venture VideoBAR** All-in-One Conferencing Camera, 999-50909-000 (worldwide)
- **Venture TableMIC** tabletop expansion microphone, 999-85909-000 (worldwide)

What's in this Guide

This guide covers:

- Product features
- Unpacking
- Tips for a successful installation
- Instructions for installing the camera mount
- Information on connecting the system components
- System power-on

If you are responsible for configuring the equipment after installing it, please use the Complete Manual. It includes all the information in this guide, plus information on configuring, operating, and troubleshooting the camera.

Features

- UHD (4K) PTZ+ePTZ camera ideal for small to medium conference rooms
- Simultaneous HDMI, USB 3.0, and IP (H.264) video
- 110° horizontal field of view lens with up to 5x zoom
- Three advanced tracking technology options frame the active speaker, the whole group, or present a gallery view
- Easy configuration, system administration, and remote management via web interface
- Integrated audio system with option to add up to three external Venture microphones
- Universal Video Class (UVC) and Universal Audio Class (UAC) drivers supported in Windows®,
- Mac® OS, and Linux operating systems, compatible with most UC conferencing applications
- Presenter-friendly RF remote control
- Tiltable table and wall-mounting options

Unpacking the Camera or Microphone

Make sure you received all the items you expected.

Venture VideoBAR

Worldwide: 999-50909-000

The box should contain these items:

- Venture VideoBAR with tiltable table mount
- Optional wall mount cleat with mounting hardware
- Venture VideoBAR Remote Control
- 12V power supply with AC plug sets
- 6.5 ft (2 m) locking USB-C to USB-A cable

Venture TableMIC

Worldwide: 999-85909-000

The box should contain these items:

- Venture TableMIC microphone
- 9.8 ft (3 m) flat category cable, black

A Quick Look at the System

This section covers the physical features of the camera and microphone.

Front of the Camera

- **Camera and Zoom Lens –** Venture VideoBAR camera zooms up to 5x.
- **Status light –** The light above the lens shows camera status.
- **Integrated speaker and microphone with echo cancellation –** The integrated beam-forming microphone picks up the voices of participants up to 20 ft. (6m) away. Hi-Fi speaker plays Far-end or USB playback audio.

Back of the Camera

From left to right:

- **Kensington lock** – Keep your camera from adventuring away into the wide, wonderful world.
- **DC 12V** (EIAJ-04 jack) – Connect only the power supply shipped with the camera or approved replacement power supply.
- **USB 3.0** (USB type C standard or locking-style connector) – Connect to a computer for use with soft conferencing applications. Provides USB 3.0 stream. Backwards compatible with USB 2.0.
- **Recessed pairing and reset button** – Use a slender item such as a SIM card ejector or a straightened paper clip to press the recessed button to:
    - Pair the camera and remote (VideoBAR and included remote come paired from factory, see **Venture VideoBAR Remote User Guide** or **Complete Manual for Venture VideoBAR and Venture TableMIC** for details).
    - Perform system recovery (see **Complete Manual for Venture VideoBAR and Venture TableMIC** for details).
- **HDMI** (HDMI connector) – Camera video output. Connect to a display.
- **RESERVED** (USB type A connector) – For factory use only.
- **EXT MIC** (RJ-45 connector) – Optional; Connect to the UP connector of a Venture TableMIC.
- **NETWORK** (RJ-45 connector) – Connect to the network for IP streaming and camera control via web interface.

Top of the Microphone

- **Mute button with status light –** Tactile button indicates power and mute status.
- **Cloth-wrapped body** – Houses microphone elements positioned so that people seated at the conference table are centered in the area of maximum sensitivity.

Bottom of the Microphone

- **Cable routing grommets** – Soft matte silicone for a clean-looking installation.
- **Silicone base** – Provides moderate acoustical dampening and keeps microphone in place.
- **Threaded hole** – To affix microphone to surfaces, if desired. ¼-20 thread, 0.27 in (7.0 mm) deep.

Left view:

- **UP** (RJ-45 connector) – Connect to either the VideoBAR's EXT MIC connector, or another Venture TableMIC's DOWN connector.
- **USB** (USB type C connector) – Not used in most configurations. Can optionally be connected directly to a computer to use as a stand-alone USB microphone. In such a configuration there would be no acoustic echo-cancellation provided by the system.

Right view:

- **DOWN** (RJ-45 connector) – Connect to the UP connector of another Venture TableMIC if two or three microphones are in the system. Up to three Venture TableMICs can be connected to a Venture VideoBAR at a time.

Installation and connections

This section covers:

- Selecting the location for the camera
- Tips for a successful audio installation
- Cabling notes
- Connection diagrams

Don’t void your warranty!

Caution

This product is for indoor use. Do not install it outdoors or in a humid environment without the appropriate protective enclosure. Do not allow it to come into contact with any liquid.

Do not install or operate this product if it has been dropped, damaged, or exposed to liquids. If any of these things happen, return it to Vaddio for safety and functional testing.

Caution

Use only the power supply provided with this product, or an approved replacement. Using the wrong power supply could create a fire hazard or damage the camera, and ***will*** *void your warranty.*

Before you start

Camera placement tips:

- Consider camera viewing angles, lighting conditions, and line-of-sight obstructions where the camera is to be mounted.
- Ensure that the camera will point away from light sources. The camera will not perform well if it is pointed toward a light fixture or window.

Prepare for a successful installation:

- Be sure you can identify all cables correctly.
- If you make cables for this installation, check them for continuity.
- Talk to the network administrator. If installing the camera in a non-DHCP network (one that does not automatically assign IP addresses), you will need to configure the camera with a static IP address as directed by the network administrator.

Preparing for a successful audio installation

Tips for avoiding common audio problems:

- The effective range for the Venture VideoBAR’s integrated beamforming microphone array is up to 20 ft. (6 m) and 180° under most circumstances.
- The effective range for Venture TableMIC tabletop expansion microphones are 12 ft. (3.7 m) and 360° omnidirectional coverage under most circumstances.
- Be sure the room design accounts for full audio coverage of participants by locating the VideoBAR within audio range of participants, or by including enough Venture TableMIC tabletop expansion microphones to provide adequate coverage.
- When adding Venture TableMIC microphones, ideal placement is a horizontal distance of 10 ft (3 m) apart. This helps maintain quality echo cancellation and audio balance.
- Cabling for Venture TableMIC microphones should use Cat-5e (or better) cables. The cables may be up to 30 ft. (9 m.) long each.

Cabling notes

Caution

Do not use pass-through RJ-45 connectors when making cables for this product. Poorly crimped connectors of this type can cause intermittent connections and degraded signal quality. They can also damage the connectors on the product, which will void your warranty

Intact – will make reliable contact with cable connector

Damaged – Bent contact fingers will NOT make reliable contact with cable connector

When making cables for this product, use Cat-5e or better cable. We recommend using high-quality connectors and a high-quality crimping tool.

We recommend shielded cabling if the cables will be coiled, run tightly with other cables, or routed near sources of electromagnetic interference such as power lines or fluorescent light fixtures.

Caution

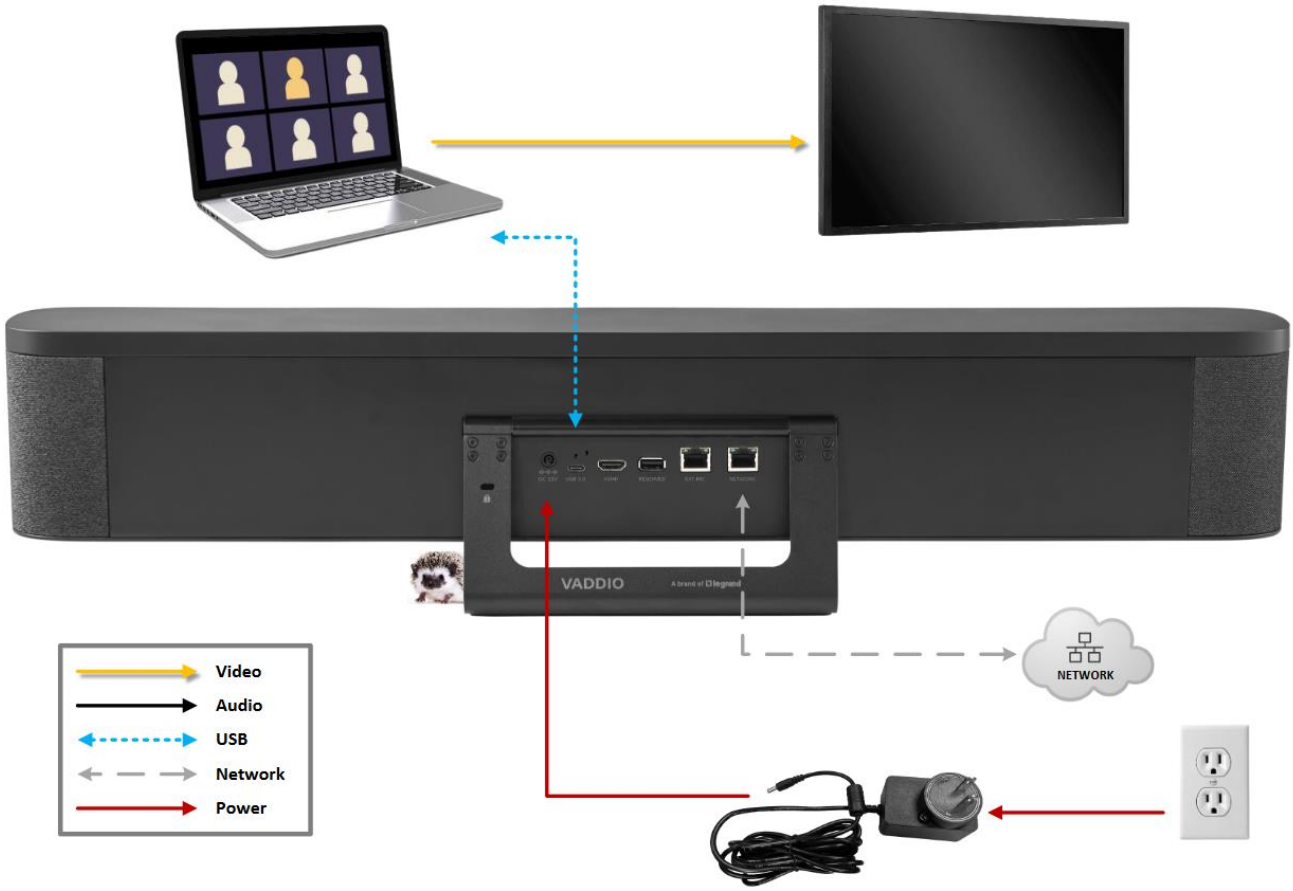
Check your cables. Connecting a cable to the wrong port or using the wrong pin-out can result in equipment damage and will void the warranty.

Pro Tip

Label all cables at both ends.

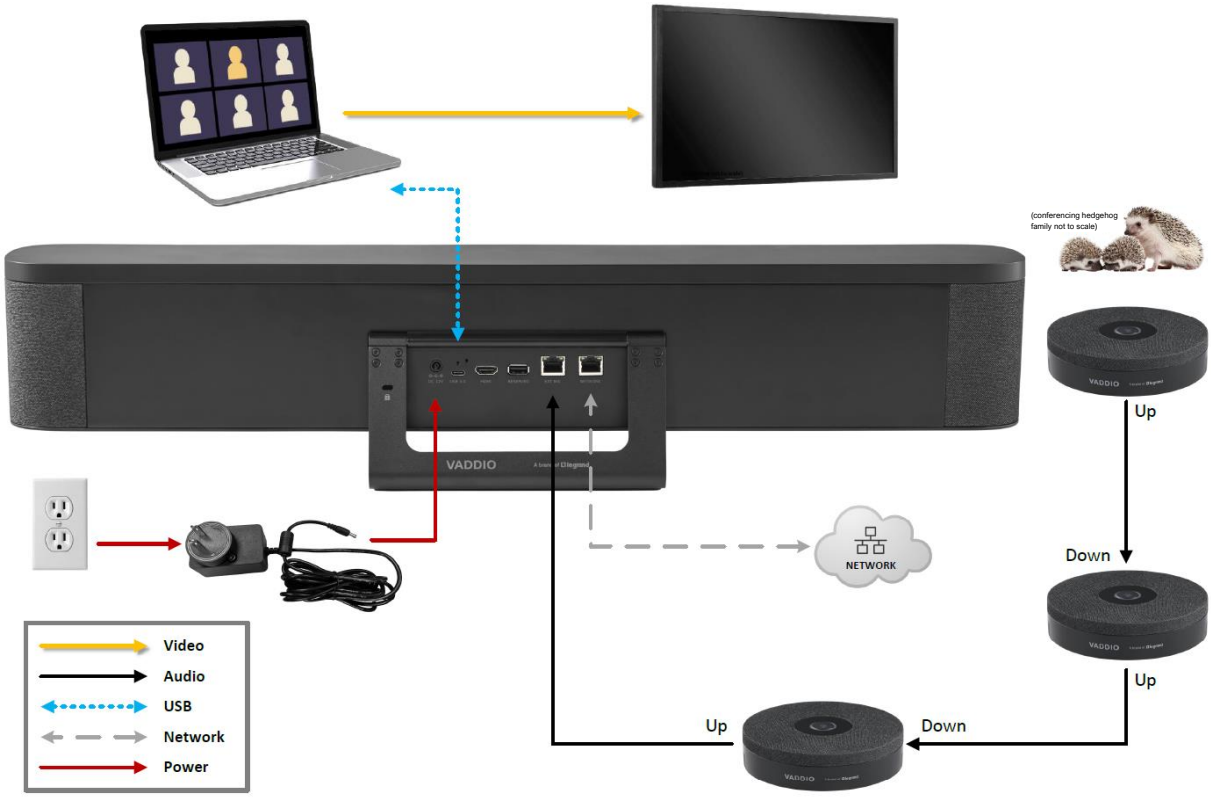
Basic connections

This diagram shows a basic conferencing configuration. A laptop provides USB connectivity. This system provides acoustic echo cancellation.



Camera connections with external microphones

Add up to three optional Venture TableMIC microphones for more flexibility in the room layout. Connect the first external microphone's UP connector "upstream" to the camera's EXT MIC connector. When adding a second or third microphone, connect its UP connector to the DOWN connector of the next microphone "upstream" (closer to the camera).



Note

Vaddio TableMIC and TableMIC D microphones are not compatible with this camera. Only Vaddio Venture TableMIC microphones may be used for this connection.

Mounting the Venture VideoBAR camera

This section covers:

- Tabletop use
- Installing the wall mount cleat for the Venture VideoBAR camera
- Mounting the VideoBAR
- Other mounting options

Tabletop use

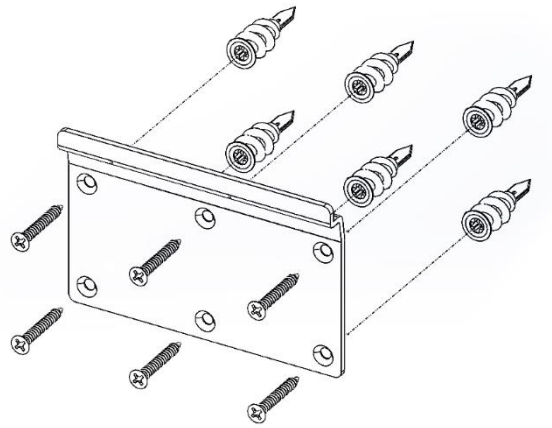
The Venture VideoBAR camera is shipped with an attached tiltable table mount. Use on a tabletop or other stable, flat surface for a simple, quick installation.

Installing the VideoBAR Wall Mount Cleat

The Venture VideoBAR camera is also shipped with a wall mount cleat. Other mounting options are available as well. Contact us if you don't have the camera mount you need.

You can install the camera wall mount directly to drywall.

- If you mount it to drywall, use the wall anchors provided with the wall mount.



Installing the Venture VideoBAR camera on the Wall Mount Cleat

Caution

If installing a Venture TableMIC microphone with the camera, be sure you can identify the cables correctly. Connecting a cable to the wrong port can result in equipment damage and void the warranty.

1. Swivel the camera's table mount back so the base is parallel to the wall.
2. Route the cables and connect them to the camera.
3. Hang the table mount base on the wall mount cleat via the slot in its base.

Optional Venture VideoBAR Deluxe Mount

For additional flexibility in installation, another mounting option is available (part number 535-50909-000) for the Venture VideoBAR. It can serve as a low-profile wall mount, or optionally mount to a number of compatible Chief mounting accessories or VESA-compatible interfaces. Consult the **Installation Guide for the Venture VideoBAR Deluxe Mount** for full details.

Powering up the system

Connect camera power. The camera initializes. This takes a minute or two. When an image is available, the camera is ready to accept control information.

Status light

The light above the camera lens indicates the system's current state.

- White – Camera is active
- Blinking cyan – Remote pairing mode
- Blinking red – Video is muted
- Red – Audio is muted
- Yellow – Firmware update is in progress

The status light is off when the camera is in power-saving mode.

Video Resolution Setting

The HDMI video resolution can be set through the On Screen Menu with the remote. USB streaming resolution is negotiated with the host PC and the application, and the IP streaming resolution is set via the web interface. Set the desired video output resolutions for your application.

Next Steps

The system is now ready to configure and use. This information is available in the **Complete Manual for Venture VideoBAR and Venture TableMIC.**

Operation, Storage, and Care

For smears or smudges on the product, wipe with a clean, soft cloth. Do not use any abrasive chemicals.

Keep this device away from food and liquids.

Do not operate or store the device under any of the following conditions:

- Temperatures above 40° C (104° F) or below 0° C (32° F)
- High humidity, condensing or wet environments
- Inclement weather (you know — storms, very hot weather, and any other weather that makes you want to stay indoors and perhaps go back to bed)
- Severe vibration
- During a hot-air balloon ride (romantic or platonic in nature)
- Dry environments with an excess of static discharge

Do not attempt to take this product apart. There are no user-serviceable components inside.

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