

## AVer VB342 PRO

# AVer VB342 PRO Video Conferencing Camera User Manual

Model: VB342 PRO

## 1. INTRODUCTION

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The AVer VB342 PRO is an all-in-one video bar designed for midsize meeting rooms, integrating a camera, microphone, and speaker. This device features PTZ (Pan, Tilt, Zoom) technology, 4K resolution, and advanced AI functions to enhance video conferencing experiences. This manual provides instructions for setting up, operating, maintaining, and troubleshooting your VB342 PRO.

## 2. SETUP

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### 2.1 Package Contents

Verify that all components are present in the package:

- AVer VB342 PRO Video Conferencing Camera Unit
- Power Adapter
- USB 3.1 Cable
- HDMI Cable
- Wall Mount Bracket (if included)

### 2.2 Physical Installation

The VB342 PRO can be placed on a flat surface or mounted on a wall.

#### Wall Mounting

Use the provided wall mount bracket to secure the device. Ensure the mounting surface is sturdy enough to support the unit's weight (approximately 14.1 pounds).



Image: The AVer VB342 PRO camera installed below a large display in a conference room, showing participants interacting with remote attendees on screen.

## 2.3 Connecting the Device

1. **Power Connection:** Connect the power adapter to the VB342 PRO and then to a power outlet.
2. **USB Connection:** Connect the VB342 PRO to your computer using the supplied USB 3.1 cable. This connection enables video, audio, and control.
3. **HDMI Output (Optional):** Connect an HDMI cable from the VB342 PRO to a display for direct video output.
4. **Network Connection (Optional):** For network management or specific features, connect an Ethernet cable to the device.



Image: A detailed front-side view of the AVer VB342 PRO, highlighting the central camera module and integrated speakers.

## 2.4 Software Installation

Download and install the AVer PTZApp 2 software from the official AVer website. This application allows for advanced camera control, firmware updates, and configuration of AI features.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Basic Camera Control

Once connected, the VB342 PRO functions as a standard USB camera and audio device. You can select it within your video conferencing application (e.g., Zoom, Microsoft Teams, Google Meet).

- **Pan, Tilt, Zoom (PTZ):** Use the PTZApp 2 software or a compatible remote control to adjust the camera's pan, tilt, and optical zoom (up to 3x optical, 15x total zoom).
- **Focus:** The camera features autofocus. Manual override is available via PTZApp 2.
- **White Balance & Exposure:** Automatic settings are default. Adjustments can be made through PTZApp 2.

### 3.2 Advanced AI Features

The VB342 PRO incorporates several AI-powered features:

- **Smart Gallery:** This feature uses AI to crop participants' faces, ensuring everyone is clearly visible. You can select between headshot and half-body modes.
- **SmartSpeaker:** Automatically focuses on the active speaker in the room.
- **Gesture Control:** Operate certain camera functions by holding up one finger on either side of your face. Refer to the PTZApp 2 for specific gesture commands.
- **Audio Fencing:** Define a specific meeting area. The camera will silence sounds originating from outside this defined viewing angle, reducing distractions.
- **Presentation Tracking:** Tracks the speaker with both preset area and participant tracking capabilities.



Image: A direct front view of the AVer VB342 PRO, showing the camera lens and speaker grilles.

## 4. MAINTENANCE

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### 4.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the camera.
- For the camera lens, use a lens cleaning cloth and specialized lens cleaning solution. Avoid abrasive materials.
- Do not use harsh chemicals or solvents.

### 4.2 Firmware Updates

Regularly check for firmware updates using the AVer PTZApp 2 software to ensure optimal performance and access to new features.

## 5. TROUBLESHOOTING

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### 5.1 Common Issues and Solutions

- **No Video/Audio Output:**
  - Ensure all cables (USB, HDMI, Power) are securely connected.
  - Verify the VB342 PRO is selected as the camera and microphone in your conferencing software settings.
  - Restart your computer and the VB342 PRO.
- **Poor Video Quality:**

- Check your internet connection speed.
- Ensure adequate lighting in the meeting room.
- Clean the camera lens.
- Adjust camera settings (e.g., white balance, exposure) via PTZApp 2.

- **AI Features Not Working:**

- Ensure PTZApp 2 is running and the features are enabled.
- Check for firmware updates for the VB342 PRO.
- Ensure proper room setup and lighting for optimal AI detection.

## 6. SPECIFICATIONS

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Feature	Detail
Model Name	VB342 Pro Enterprise-Grade 4K PTZ Video Bar
Brand	AVer
Optical Zoom	3x
Digital Zoom	5x
Total Zoom	15x
Field of View (D/H/V)	92°/84°/53°
Frame Rate	4K 30fps; 1080p 60fps
Video Resolution	2160p (4K)
Photo Sensor Resolution	15 MP
Connectivity Technology	Wired (USB 3.1), Wi-Fi
Video Output	HDMI
Microphone Technology	Digital Signal Processing, Beam Forming, Noise Cancellation
Minimum Focus Distance	80 cm
Item Weight	14.1 Pounds
Mount Type	Wall
True WDR	Up to 120db

## 7. WARRANTY INFORMATION

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The AVer VB342 PRO Video Conferencing Camera comes with a **3-year manufacturer's limited warranty**. For detailed terms and conditions, please refer to the official AVer warranty documentation or contact AVer support.

Optional protection plans may be available from your retailer, such as a 3-Year Protection Plan or Complete Protect monthly plan.

## 8. CUSTOMER SUPPORT

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For technical assistance, product inquiries, or warranty claims, please visit the official AVer support website or contact their customer service department.

**AVer Official Store:** [Visit the AVer Store on Amazon](#)