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› Tenveo 4K PTZ Conference Camera System with Bluetooth Speaker (Model VHD3H-4K+M3B) User Manual

Tenveo VHD3H-4K+M3B

Tenveo 4K PTZ Conference Camera System with Bluetooth Speaker

Model: VHD3H-4K+M3B | Brand: Tenveo

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Tenveo 4K PTZ Conference Camera System. Designed for professional video conferencing, this system combines a high-quality 4K PTZ camera with a versatile Bluetooth speaker, offering advanced features like AI tracking, 3X optical zoom, and wide-angle coverage for various meeting environments.

WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- 1 Tenveo 4K AI PTZ Camera
- 1 Bluetooth Speaker with Dongle
- 1 Infrared Remote Control
- 1 Power Adapter
- 1 USB 3.0 Cable
- 1 Wall Mount Bracket with Screws
- User Manuals



Image: All components included in the Tenveo 4K PTZ Conference Camera System package, including the camera, speaker, remote, cables, and mounting hardware.

SETUP INSTRUCTIONS

- 1. Camera Placement:** Position the Tenveo 4K AI PTZ Camera on a stable surface such as a desk, tripod, or mount it on a wall or ceiling using the provided bracket. Ensure the camera has a clear view of the meeting area.
- 2. Power Connection:** Connect the power adapter to the camera's DC 12V port and plug it into an electrical outlet.
- 3. Video Output Connection:**
 - For 4K output to a high-definition display, connect an HDMI cable (not included) from the camera's HDMI port to your display.
 - For 1080P output to a computer for video conferencing software, connect the supplied USB 3.0 cable from the camera's USB 3.0 port to your computer.
- 4. Speaker Connection:**
 - Bluetooth:** Power on the Bluetooth speaker. Activate Bluetooth on your computer or device and pair with the speaker.

- **USB:** Connect the speaker to your computer using a USB cable (not included) or the provided dongle for a driver-free connection.

5. **Professional Control (Optional):** For advanced PTZ control, connect RS232/RS485 cables (not included) to a compatible joystick controller.



Image: Connection diagram illustrating power, USB 3.0, HDMI, and RS232/RS485 ports on the camera, and how to connect to various devices like PCs, smart TVs, and video mixers.

The Perfect Choice for Small to Mid-sized Meetings



Image: The Tenveo camera system integrated into a small to mid-sized meeting room, demonstrating its wide-angle and zoom capabilities for capturing participants.

OPERATING INSTRUCTIONS

Camera Control

- **Power On/Off:** Press the power button on the remote control or the camera base.
- **Pan/Tilt:** Use the directional arrows on the remote control to adjust the camera's horizontal (350°) and vertical (180°) position.
- **Zoom:** Use the '+' and '-' buttons on the remote for 3X optical zoom to get closer or wider views.
- **AI Auto-Tracking:**
 - To activate/deactivate auto-framing, press the **[A]** button on the remote.
 - To activate AI tracking, briefly press **[AI]**, then briefly press **[Target]** to select the target (if multiple people are present), then press **[Home]** to confirm.
 - To deactivate AI tracking, briefly press **[Target]** to exit tracking (returns to auto-framing). Press **[AI]** directly to

deactivate AI (returns to normal mode).

- **Preset Settings:** The camera supports up to 10 preset positions via the infrared remote control. Refer to the detailed manual for programming specific presets.

Suivi automatique IA

Suivi sans effort, cadrage intelligent

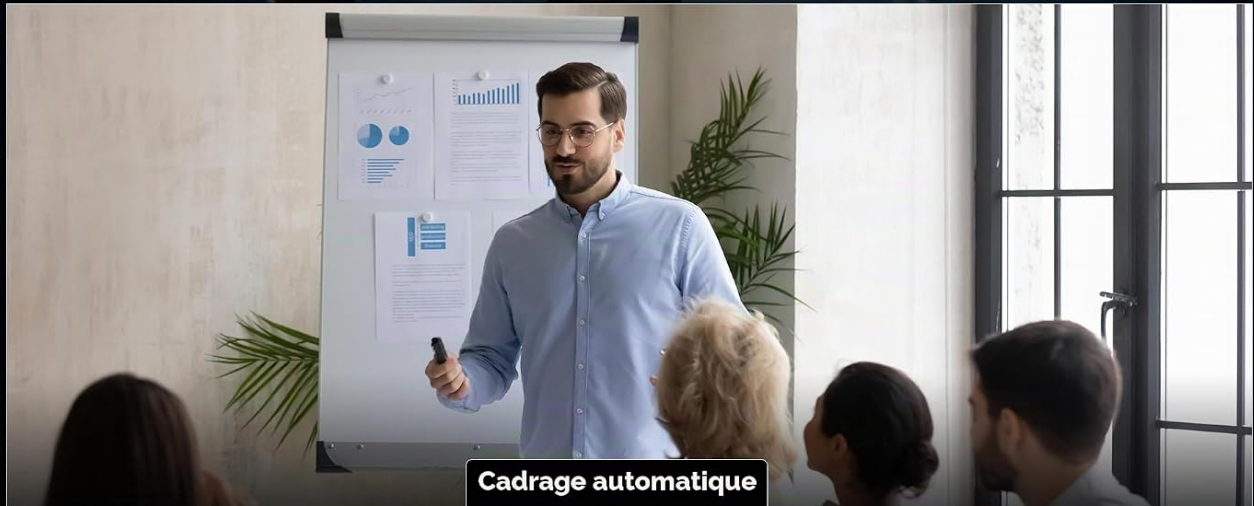


Image: The infrared remote control for the Tenveo camera, showing buttons for pan, tilt, zoom, and AI tracking functions.

Tenveo

Caméra PTZ Ultra-HD 4K

Capteur 1/7.1 cm 8,29 MP de précision | Clarté 4K nette



Image: Visual representation of the AI auto-tracking feature, showing the camera automatically framing a speaker and tracking a presenter's movement.

Bluetooth Speaker Usage

- **Power On/Off:** Press and hold the power button on the speaker.
- **Volume Control:** Use the '+' and '-' buttons on the speaker to adjust audio volume.
- **Mute Microphone:** Press the microphone icon button to mute or unmute the speaker's omnidirectional microphones.
- **Call Control:** Use the call answer/end button for managing conference calls.
- **Battery Life:** The speaker has a 2400mAh battery providing 6-8 hours of operation. Recharge using the USB-C port.

Réglages de préréglage rapides

Prend en charge 10 préréglages via télécommande infrarouge



Image: The Tenveo Bluetooth speaker, highlighting its 360° voice capture, echo cancellation, and noise reduction capabilities for clear audio.

Software Compatibility

The Tenveo system is plug-and-play compatible with major video conferencing platforms and operating systems, including:

- Zoom, Microsoft Teams, OBS, YouTube, Google Meet, Webex, BlueJeans, GoToMeeting.
- Windows 7-11, Mac OS 10.10+, Android, Linux.

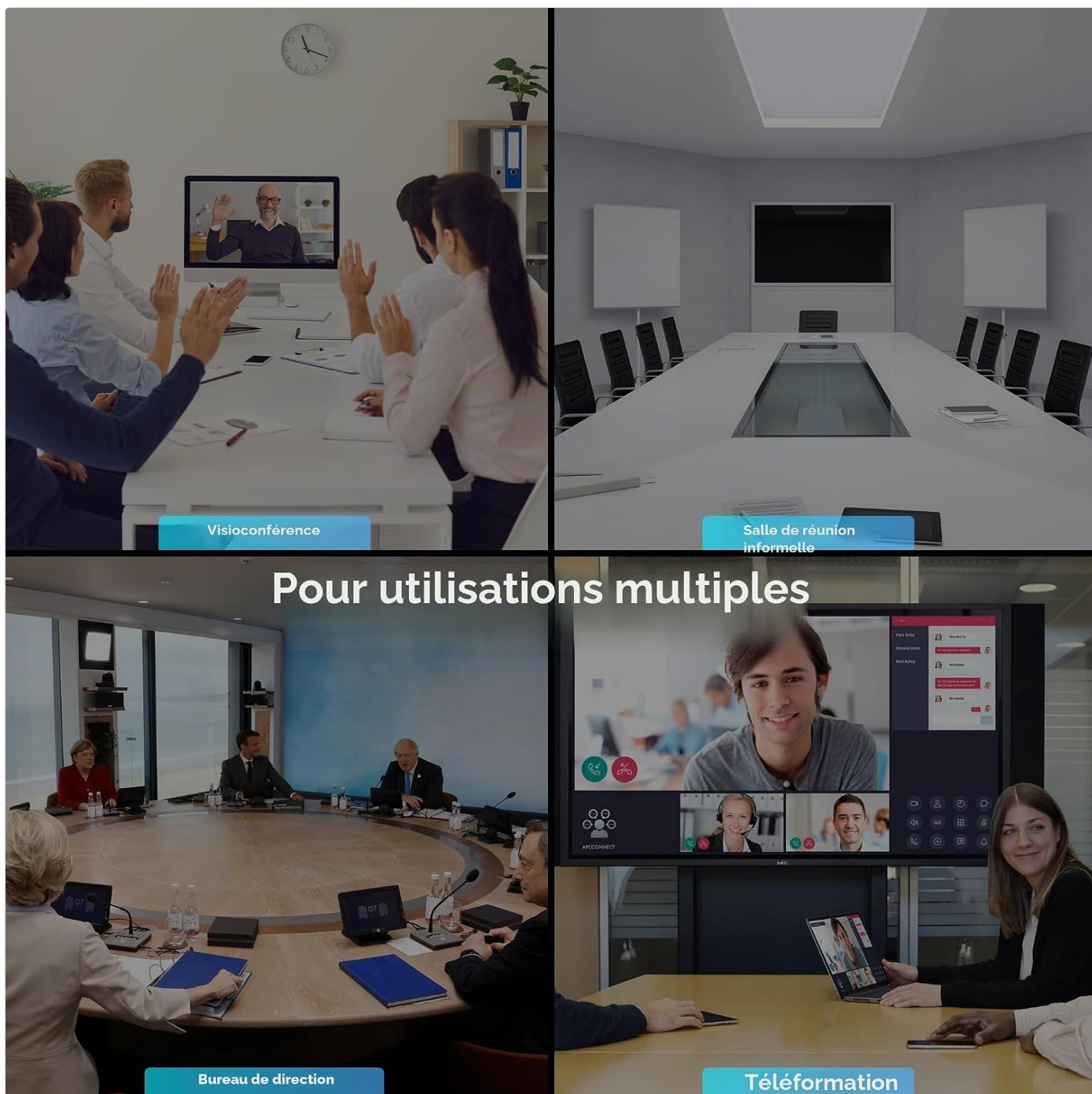


Image: The Tenveo camera system displaying its universal compatibility with popular video conferencing software and operating systems like Windows, Mac, Android, and Linux.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the system in a cool, dry place away from direct sunlight.
- **Firmware Updates:** Periodically check the Tenveo official website for any available firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No video output	Loose cable connection, incorrect input selection on display, camera not powered on.	Check all cable connections (USB, HDMI). Ensure the camera is powered on. Select the correct input source on your display.
No audio from speaker	Speaker not powered on, low battery, not paired via Bluetooth, muted.	Ensure speaker is charged and powered on. Re-pair Bluetooth. Check volume levels and ensure microphone is not muted.
AI tracking not working	Feature not activated, subject too far/close, poor lighting.	Ensure AI tracking is activated via remote. Position subject within optimal range. Ensure adequate lighting.
Remote control unresponsive	Low battery in remote, line of sight blocked.	Replace remote control batteries. Ensure no obstructions between remote and camera.

SPECIFICATIONS

- **Brand:** Tenveo
- **Model:** VHD3H-4K+M3B
- **Color:** Black
- **Video Resolution:** 4K @ 30fps (HDMI), 1080P @ 30fps (USB 3.0)
- **Image Sensor:** 8.29 Megapixels CMOS
- **Optical Zoom:** 3X
- **Field of View:** 93° Wide Angle
- **Pan Rotation:** 350° (horizontal)
- **Tilt Rotation:** 180° (vertical)
- **Connectivity:** HDMI, USB 3.0, RS232/RS485
- **Speaker Battery:** 2400mAh (6-8 hours autonomy)
- **Speaker Connectivity:** Bluetooth 5.0, USB, Dongle
- **Special Features:** AI Auto-Tracking (Humanoid & Face), Echo Cancellation, Noise Reduction, Easy Preset Configuration.
- **Compatible Devices:** Smartphone, Tablet, Laptop, Personal Computer
- **Package Dimensions:** 30 x 26.2 x 20.4 cm
- **Package Weight:** 3.08 Kilograms



Image: Infographic detailing key features such as 4K resolution, AI auto-tracking, 3X optical zoom, 8.29 MP CMOS sensor, multi-interface options, 93° field of view, 360° voice capture, echo cancellation, and noise reduction.

WARRANTY AND SUPPORT

- **Manufacturer Warranty:** 3 years.
- **Technical Support:** Lifetime technical support is available with a response within 24 hours.
- **Contact:** For support inquiries, please email sales@tenveo.com.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question