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TONGVEO PTZ 3X Camera+microphone

TONGVEO 5.8GHz Wireless Conference Room Camera System | 3X 60fps PTZ Camera with Bluetooth Microphone - User Manual

Model: PTZ 3X Camera+microphone | Brand: TONGVEO

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TONGVEO 5.8GHz Wireless Conference Room Camera System. This system is designed to offer high-quality video and audio solutions for various applications, including business meetings, online courses, telemedicine, and live streaming.

The system features a 3X 5.8GHz wireless 1080P 60FPS USB3.0 PTZ camera bundled with a speakerphone, ensuring clear, undistorted online communication. The speakerphone provides 360° voice enhancement and background noise elimination for a professional experience.

2. PACKAGE CONTENTS

Upon unboxing, please verify that all components listed below are present:

- TONGVEO 3X Wireless PTZ Camera
- Bluetooth Speakerphone
- DC 12V Power Adapter
- 5.8GHz USB Receiver (Dongle)
- IR Remote Control
- USB 2.0 Cable
- User Manual
- Ceiling Brackets & Screws for installation



Figure 2.1: Overview of the TONGVEO 5.8GHz Wireless Conference Room Camera System and its included accessories.

3. SETUP INSTRUCTIONS

3.1 Camera and Speakerphone Placement

The camera offers various mounting options: it can be installed on a desk, monitor, wall, tripod, or even upside-down on the ceiling. Position the camera to capture the desired area. Place the speakerphone centrally within the meeting space for optimal 360° voice pickup.



Figure 3.1: Examples of camera and speakerphone placement in different conference and streaming environments.

3.2 Wireless Connection Steps

1. Attach the camera's antenna to the rear wireless port.
2. Attach the dongle antenna to the 5.8GHz USB receiver.
3. Connect the assembled USB receiver (dongle with antenna) into an available USB port on your PC or laptop.
4. Ensure the camera is powered on using the DC 12V power adapter.
5. The camera and receiver will automatically pair. A stable wireless connection can be maintained up to 50 feet.

Note: It is normal for the wireless connector to heat up after long use. Unplugging and allowing it to cool down should restore normal function. Each receiver is uniquely paired; disassembling it may prevent wireless connection.

Wireless Connection Steps



Attach camera antenna



Attach dongle antenna



Connect camera wirelessly

Figure 3.2: Visual guide for attaching antennas and connecting the USB receiver for wireless operation.

Your browser does not support the video tag.

Video 3.1: Demonstrates the wireless connection process for the TONGVEO camera and Bluetooth microphone.

3.3 Speakerphone Connection

The speakerphone can connect via Bluetooth or USB. For Bluetooth, activate Bluetooth on your device and pair with "TONGVEO Speaker-Mic". For USB, connect the speakerphone directly to your computer using the provided USB cable.

Multiple Connection Ways

Come with a bluetooth dongle ensuring stable bluetooth connection.



Figure 3.3: Illustrates USB, Bluetooth, and AUX connection methods for the speakerphone.

4. OPERATING INSTRUCTIONS

4.1 Software Integration

The TONGVEO 3X wireless PTZ camera system is plug-and-play, automatically recognized by your computer without driver installation. It is compatible with Windows XP, Vista, 7/8/8.1/10/11, and Mac 10.4 or higher. It works seamlessly with popular online conferencing software such as Zoom, WebEx, GoToMeeting, BlueJeans, OBS, and more.

Universal Compatibility

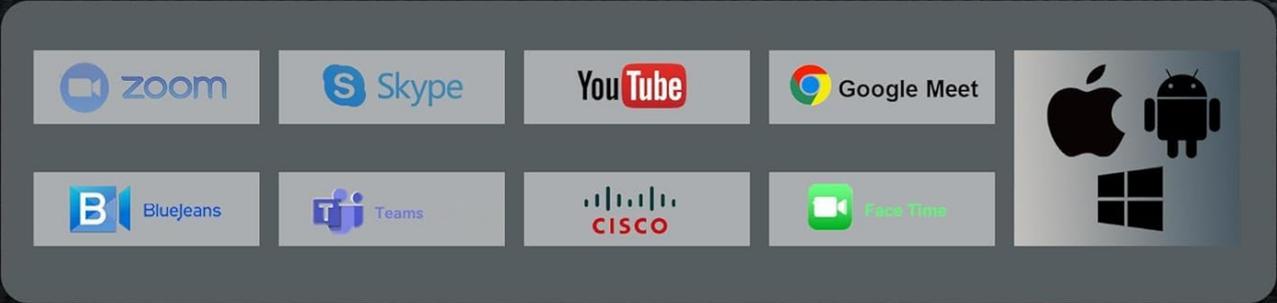


Figure 4.1: Displays the wide compatibility of the camera system with different devices and software.

4.2 Camera Control with Remote

Use the IR remote control to manage camera functions. The remote allows for pan, tilt, and zoom adjustments, setting and recalling preset positions, and controlling image settings. The camera can move quickly between presets to cover the entire conference space.



Figure 4.2: Detailed view of the remote control and its various buttons for camera operation.

4.3 Speakerphone Features

The speakerphone provides 360° voice pickup and effectively eliminates background noise, ensuring clear audio. It features intuitive controls for volume, mute, and call management.



Figure 4.3: Highlights the speakerphone's omnidirectional microphones and noise reduction capabilities.

5. MAINTENANCE

To ensure the longevity and optimal performance of your TONGVEO Conference Room Camera System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid abrasive cleaners or solvents that may damage the surfaces.
- **Storage:** When not in use for extended periods, store the camera and speakerphone in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are neatly organized and not under tension to prevent damage.

6. TROUBLESHOOTING

- **No Video/Audio:** Ensure all cables are securely connected and the camera/speakerphone are powered on. Verify that the correct camera and microphone are selected in your conferencing software settings.
- **Wireless Connection Issues:** Check that both the camera and dongle antennas are properly attached. If the wireless connector becomes hot, unplug it, allow it to cool, and then reconnect. Ensure the unique pairing of the receiver is maintained.
- **Remote Control Not Responding:** Check the batteries in the remote control and replace if necessary. Ensure there are no obstructions between the remote and the camera's IR receiver.
- **Image Quality Issues:** Ensure adequate lighting in the room. Adjust camera settings (brightness, contrast, etc.) via the remote control menu if needed.

7. SPECIFICATIONS

Feature	Detail
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Brand	TONGVEO
Model Number	PTZ 3X Camera+microphone
Video Capture Resolution	1080p
Frame Rate	60fps
Optical Zoom	3X
Wireless Frequency	5.8GHz
Wireless Range	Up to 50ft
Field of View	114°
Connectivity Technology	USB
Speakerphone Voice Pickup	360°
Item Weight	7 pounds
Special Features	Anti-Shake

8. WARRANTY AND SUPPORT

TONGVEO products are backed by a manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official TONGVEO website.

For technical support, troubleshooting assistance, or product inquiries, please contact TONGVEO customer service through the contact information provided in your product documentation or on the official TONGVEO website.

Related Documents - PTZ 3X Camera+microphone

	<p>HD AI Auto Tracking Conference Camera User Manual - Tongveo</p> <p>This user manual provides comprehensive instructions for the Tongveo HD AI Auto Tracking Conference Camera, covering setup, features, performance specifications, menu navigation, and operation. Learn about AI tracking, PTZ controls, exposure, color settings, network configuration, and system maintenance.</p>
	<p>TONGVEO HD Conference Camera User Manual - Setup, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the TONGVEO HD Conference Camera (Version V5.32). Covers product description, specifications, remote control, menu setup, network function, installation, troubleshooting, and maintenance.</p>



[TEVO-T310 HD Video Conferencing Terminal - Technical Specifications](#)

Detailed technical specifications for the TEVO-T310 HD Video Conferencing Terminal by Tongveo, covering protocols, video and audio features, network capabilities, interfaces, and physical characteristics.



[AV Access AnyCo M1 Add-on Microphone User Manual](#)

User manual for the AV Access AnyCo M1 add-on microphone, detailing its features, specifications, panel layout, application in conference rooms, and warranty information.



[Takstar DG-U100 Wireless Conference Microphone System User Manual](#)

Comprehensive user manual for the Takstar DG-U100 Wireless Conference Microphone System, detailing features, specifications, operation, and safety guidelines for professional audio setups.