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> Yealink UVC84 Video Conferencing Camera User Manual

## Yealink UVC84

# Yealink UVC84 Video Conferencing Camera User Manual

Model: UVC84

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Yealink UVC84 Video Conferencing Camera. The UVC84 is a 4K PTZ camera designed for medium and large meeting rooms, offering high-quality video output and advanced features like auto-framing.

Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

## PRODUCT OVERVIEW

The Yealink UVC84 is a professional 4K PTZ (Pan-Tilt-Zoom) camera engineered for superior video conferencing experiences. It features a 4K camera, 12x optical zoom, 3x digital zoom, and an 80-degree field of view, making it suitable for various room sizes. The camera also integrates audio capabilities and supports auto-framing for an enhanced meeting experience.



Figure 1: Front view of the Yealink UVC84 camera, showcasing its sleek design and lens.



Figure 2: Rear view of the UVC84 camera, highlighting the connectivity ports including VC Hub/Camera, DC 48V power input, Video Out, and Line Out.



Figure 3: Side profile of the Yealink UVC84 camera, illustrating its pan-tilt mechanism.

## What's in the Box

- UVC84 Camera
- VCR20 remote control
- Power adapter
- Wall bracket and accessories
- 7m USB cable

## SETUP

### Installation Options

The UVC84 camera offers flexible installation options to suit various meeting room configurations:

- **Conference Table Placement:** Simply place the camera on a stable surface in front of the display.
- **TV Top Mounting:** Use the provided wall bracket and accessories to mount the camera securely on top of a television.
- **Wall Mounting:** Attach the camera to a wall using the wall bracket. Ensure the wall can support the camera's weight.
- **Ceiling Mounting:** The camera can be mounted on the ceiling for an overhead view.

- **TV Stand or Tripod Mounting:** For portable setups or specific angles, the camera can be attached to a TV stand or a standard tripod.

## Connecting the Camera

1. **Power Connection:** Connect the power adapter to the DC 48V port on the rear of the UVC84 camera and plug it into a power outlet.
2. **USB Connection:** Use the provided 7m USB cable to connect the UVC84 camera's USB port (Type B) to your computer or conferencing hub. This connection handles video and control signals.
3. **Audio Connection (Optional):** If using external audio devices like the Yealink VCM34 array microphone or VCM38 ceiling microphone, connect them to the VC Hub/Camera port (RJ45) or the Line Out port as appropriate. Refer to the audio device's manual for specific connection details.
4. **Video Output (Optional):** The Video Out port can be used for direct video feed to a display if not using the USB connection for video.

Ensure all connections are secure before powering on the device.

## OPERATING INSTRUCTIONS

### Basic Operation

- **Power On/Off:** The camera powers on automatically when connected to power. To power off, disconnect the power adapter.
- **Remote Control (VCR20):** Use the included VCR20 remote control to adjust camera pan, tilt, and zoom.
- **Pan/Tilt Control:** Use the directional arrows on the remote to pan (left/right) and tilt (up/down) the camera.
- **Zoom Control:** Use the '+' and '-' buttons on the remote to zoom in and out. The camera supports 12x optical zoom and 3x digital zoom.
- **Preset Positions:** The remote control allows you to save and recall specific camera positions (presets) for quick adjustments during a meeting. Refer to the VCR20 remote control manual for detailed instructions on setting and recalling presets.

### Advanced Features

- **Auto Framing:** The UVC84 features an auto-framing function that automatically adjusts the camera's pan, tilt, and zoom to frame all participants in the meeting room. This feature helps maintain focus on the active speakers without manual intervention.
- **4K Video Output:** The camera delivers high-resolution 4K video output, ensuring clear and detailed visuals for remote participants.
- **Integration with Audio:** The UVC84 is designed to work seamlessly with Yealink audio solutions like the VCM34 array microphone or VCM38 ceiling microphone and MSpeaker II soundbar for a complete audio-visual conferencing experience.



Figure 4: The Yealink UVC84 camera integrated into a modern meeting room setup, demonstrating its use in a live conferencing environment.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Yealink UVC84 camera.

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid using liquid cleaners or abrasive materials, as they may damage the surfaces.
- **Dust Removal:** Periodically remove dust from the camera's vents and surfaces to prevent overheating and maintain performance.
- **Firmware Updates:** Check the official Yealink website regularly for firmware updates. Keeping the firmware updated ensures you have the latest features and bug fixes. Follow the instructions provided by Yealink for firmware update procedures.
- **Storage:** When not in use for extended periods, store the camera in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your UVC84 camera.

Problem	Possible Cause	Solution
No video output	Loose USB cable; Camera not powered on; Driver issue; Incorrect input selection on display.	Check USB cable connection; Ensure power adapter is connected and camera is powered; Reinstall camera drivers on your computer; Select correct input source on your display.
Camera not responding to remote control	Remote control batteries low/dead; Obstruction between remote and camera; Remote control not paired (if applicable).	Replace batteries in VCR20 remote; Ensure clear line of sight to camera's IR receiver; Refer to VCR20 manual for pairing instructions.
Poor video quality (blurry, pixelated)	Insufficient lighting; Dirty lens; Network bandwidth issues (for streaming); Incorrect resolution settings.	Improve room lighting; Clean the camera lens; Check network connection and bandwidth; Adjust video resolution settings in your conferencing software.
Auto-framing not working	Feature disabled; Obstructions in view; Software conflict.	Ensure auto-framing is enabled in camera settings or conferencing software; Clear any obstructions in the camera's field of view; Update camera firmware.

If the problem persists, please contact Yealink technical support for further assistance.

## SPECIFICATIONS

The following table details the technical specifications of the Yealink UVC84 Video Conferencing Camera.


Model	UVC84
Picture	
UVC Protocol	UVC 1.0
Maximum Resolution	4K
Maximum FPS	60FPS
Video Output	4K30, 1080p60/30, 720p60/30
Lens Focus Length	f=3.9mm to 46.8mm
Lens Aperture (F#)	F/1.6-F/2.8
Zoom	12x optical, 3x digital zoom
Field of View (Diagonal)	80°
Field of View (Horizontal)	73°
Field of View (Vertical)	45°
Min. Illumination	0.5 lux (in daylight), 0.1 lux (at night)
Signal Noise Ratio(SNR)	>63dB
Exposure	Auto/Manual
Auto Focus	√
White Balance (WB)	ATW/Auto/Manual
Pan Range	±100°
Tilt Range	+40°, -90°
Shutter Speed	1/60–1/10000 seconds
USB	1 x USB2.0 Type B
Audio Ports	1 x Yealink Microphone port (RJ45) 1 x Line-out port
Power Adapter	AC 100–240V input DC 48V/0.7A output
System Requirement	Windows 7, Windows 10, Mac OS 10.10 or higher

Figure 5: Detailed technical specifications of the Yealink UVC84 camera, including video resolution, zoom, field of view, and connectivity.

Feature	Detail
Model	UVC84
Video Capture Resolution	4K
Zoom	12X Optical, 3X Digital
Field of View	80 degrees
Pan Range	±100°
Tilt Range	+40°, -90°
Connectivity Technology	USB
Audio Ports	1 x Yealink Microphone port (RJ45), 1 x Line-out port
Power Adapter	AC 100-240V input, DC 48V/0.7A output
Product Dimensions	19.69 x 19.69 x 11.02 inches
Item Weight	7.81 pounds
System Requirement	Windows 7, Windows 10, Mac OS 10.10 or higher

## WARRANTY AND SUPPORT

Yealink provides a standard warranty for the UVC84 camera. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Yealink website.

For technical support, troubleshooting beyond this manual, or warranty claims, please contact Yealink customer service:

- **Yealink Support Website:** [www.yealink.com/support](http://www.yealink.com/support)
- **Contact Information:** Refer to the support section of the Yealink website for regional contact numbers and email addresses.

When contacting support, please have your product model (UVC84) and serial number ready.