

NUROUM C46

NUROUM C46 4K Video Conference Webcam User Manual

Model: C46

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NUROUM C46 4K Video Conference Webcam. The C46 is an all-in-one device designed for high-quality video conferencing, featuring a 4K camera, AI auto-framing, 5x digital zoom, and integrated noise-cancelling microphones and speaker.

2. WHAT'S IN THE BOX

- 1x C46 Conference Camera
- 1x USB Cable
- 1x Remote Control
- 1x User Manual (this document)

3. PRODUCT OVERVIEW

The NUROUM C46 integrates a high-resolution camera, a 4-microphone array, and a premium speaker into a single unit, optimized for immersive meeting experiences.

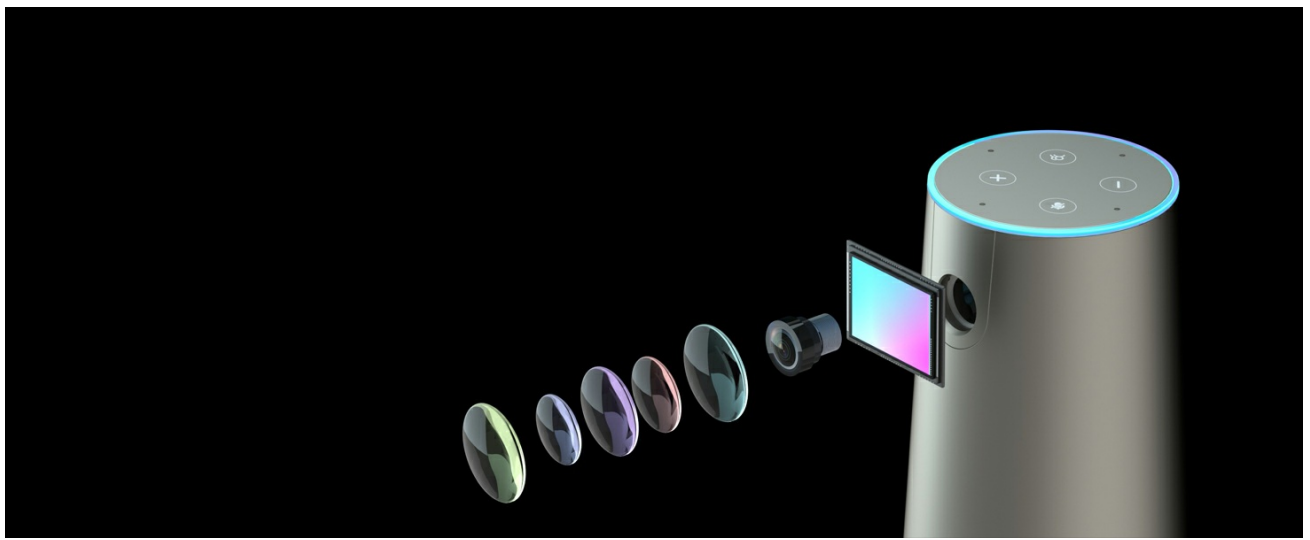


Figure 3.1: Exploded view illustrating the internal components of the C46, including the Sony CMOS sensor, four noise-cancelling microphones, and the integrated speaker.

3.1 Key Components

- **4K UHD Camera:** Equipped with an 8MP CMOS sensor and a 120° field of view.
- **Microphone Array:** Four omnidirectional microphones with noise cancellation and echo suppression.
- **Integrated Speaker:** Full-duplex speaker for clear audio output.
- **Status Light Ring:** Indicates device status (e.g., active, muted).
- **Control Buttons:** Located on top for quick access to mute and volume controls.
- **USB-C Port:** For connection to your computer.
- **Power Port:** For the optional power adapter to increase speaker volume.

4. SETUP INSTRUCTIONS

The NUROUM C46 is designed for plug-and-play operation, requiring no driver installation for basic functionality.

4.1 Connecting the Device

1. Place the C46 on a stable surface in your meeting space, ensuring a clear line of sight to all participants.
2. Connect the provided USB cable from the USB-C port on the C46 to an available USB port on your computer (desktop or laptop).
3. For increased speaker volume, connect the optional power adapter (if included) to the power port on the C46 and then to a power outlet.
4. The device will power on automatically. The status light ring will illuminate.



Figure 4.1: The C46 connected to a laptop and power source, ready for use.

4.2 Software Compatibility

The C46 is compatible with various operating systems and video conferencing platforms:

- **Operating Systems:** Windows, macOS, Linux, ChromeOS.
- **Platforms:** Zoom, Microsoft Teams, Google Meet, Webex, Hangouts, GoToMeeting, and more.

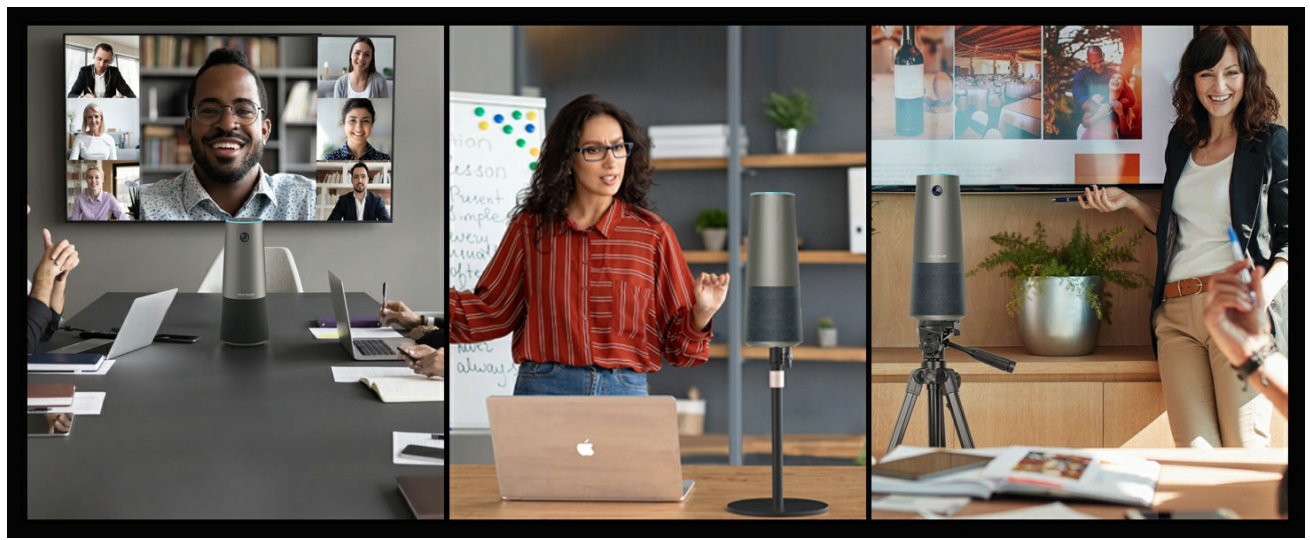


Figure 4.2: The C46 is compatible with various video conferencing platforms.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once connected, select the NUROUM C46 as your camera, microphone, and speaker device within your chosen video conferencing application settings.

5.2 AI Auto-Framing and Digital Zoom

The C46 features AI-powered auto-framing to keep participants centered in the video frame and 5x digital zoom for focusing on specific details.

- **Auto-Framing:** The camera automatically adjusts its view to include all detected participants. As participants enter or leave the frame, the camera will dynamically re-frame.
- **Digital Zoom:** Use the remote control to zoom in or out up to 5x. This allows you to highlight specific areas or objects during a meeting.



Figure 5.1: Illustration of AI auto-framing functionality, keeping participants centered.



Figure 5.2: The 5x digital zoom allows focusing on specific content, such as a whiteboard.

5.3 Audio Features

The C46 features an optimized full-duplex speaker and a 4-element omnidirectional microphone array with advanced noise reduction technology.

- **Noise Cancellation:** Compressed neural network technology suppresses background noise, ensuring clear voice pickup within a 16ft range.
- **Echo Cancellation:** Reduces echo for natural two-way communication.



Figure 5.3: Noise cancellation technology reduces ambient sounds for clearer audio.

5.4 Privacy Control

Manage your privacy directly from the device or remote control.

- **Camera On/Off:** Use the dedicated button on the remote or the top panel to turn the camera feed on or off.
- **Microphone Mute:** Mute or unmute the microphones using the remote or the top panel button.
- **Status Light Ring:** The light ring indicates the current status (e.g., blue for active, red for muted).

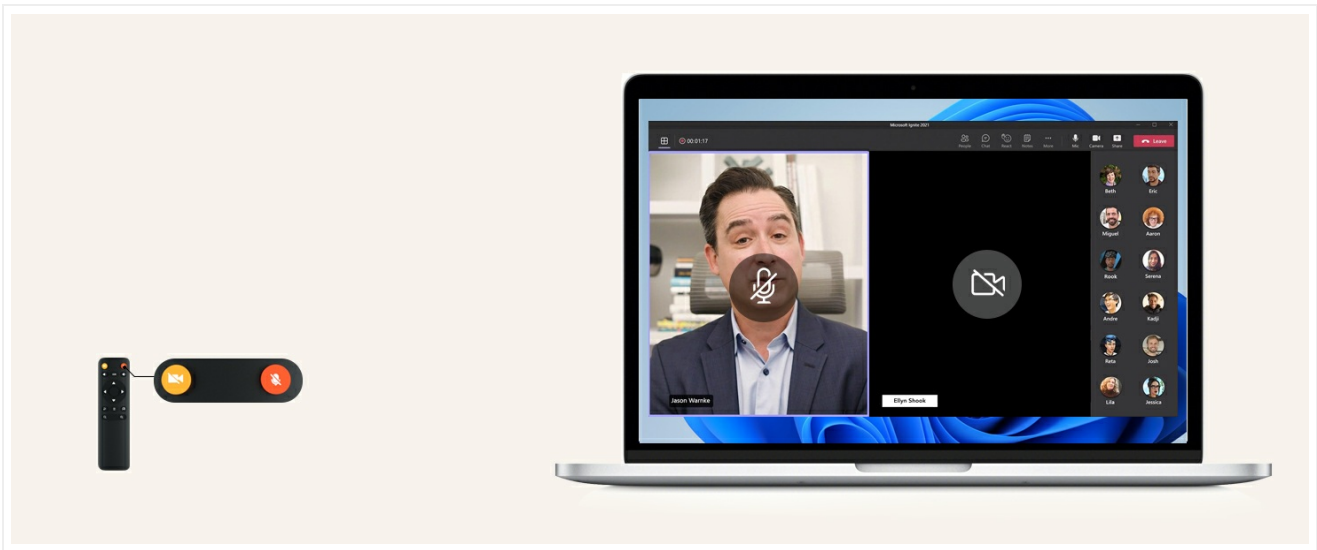


Figure 5.4: Remote control and on-device buttons allow for easy privacy management.

6. MAINTENANCE

6.1 Cleaning

- Ensure the device is disconnected from power before cleaning.
- Use a soft, dry cloth to wipe the exterior of the camera.
- For the camera lens, use a lens cleaning cloth and specialized lens cleaning solution if necessary. Avoid abrasive materials.

6.2 Firmware Updates and Customization

The Nuroum NearSync application allows for firmware updates and customization of image settings.

- Download the NearSync application from the official Nuroum website for Windows or macOS.
- Connect your C46 to your computer and launch NearSync.
- Follow the on-screen instructions to check for and install firmware updates.
- Adjust image settings such as brightness, saturation, and contrast as needed.

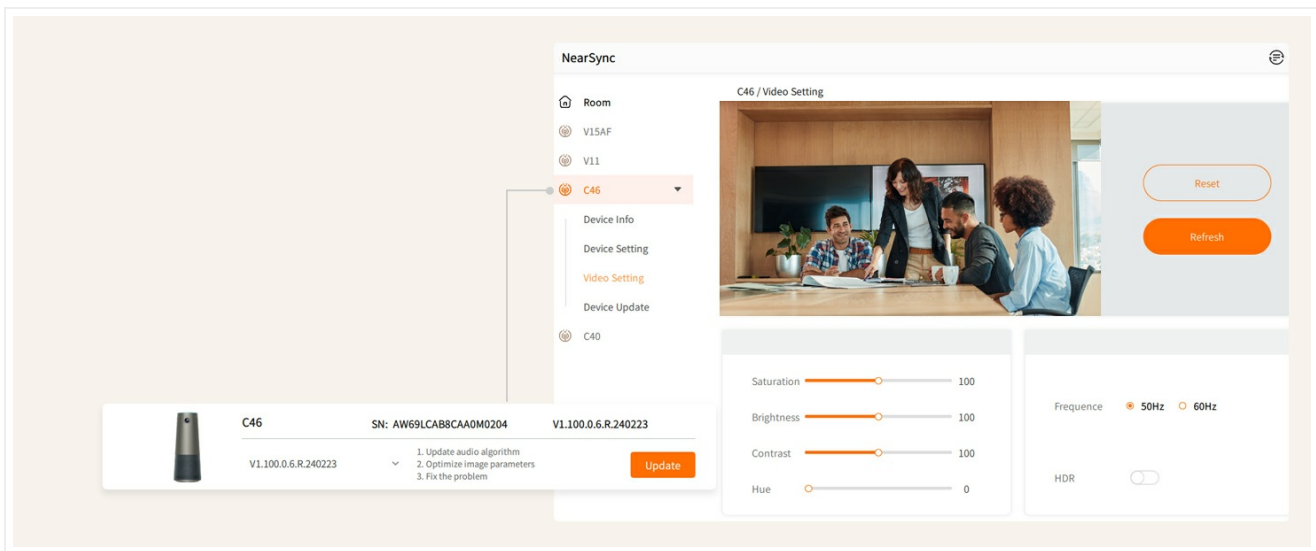


Figure 6.1: The Nuroom NearSync application for firmware updates and image customization.

7. TROUBLESHOOTING

If you encounter issues with your C46, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video output	USB cable not properly connected; Incorrect camera selected in software.	Ensure USB cable is securely connected. Select "NUROUM C46" as the camera in your video conferencing application settings. Try a different USB port.
No audio (microphone/speaker)	Microphone/speaker muted; Incorrect audio device selected in software; Low volume.	Check mute status on device/remote. Select "NUROUM C46" as microphone and speaker in software. Adjust volume levels. Ensure power adapter is connected for optimal speaker volume.
Auto-framing not working	Feature disabled; Poor lighting conditions.	Ensure auto-framing is enabled (if applicable via remote or NearSync). Improve room lighting. Ensure participants are clearly visible to the camera.
Poor video quality	Insufficient bandwidth; Suboptimal lighting; Dirty lens.	Check internet connection speed. Improve room lighting. Clean the camera lens. Adjust image settings via NearSync.
Device unresponsive	Temporary software glitch.	Disconnect and reconnect the USB cable. Restart your computer.

8. SPECIFICATIONS

Feature	Detail
Brand	NUROUM
Model Number	US-C46-2

Feature	Detail
Video Capture Resolution	4K
Effective Still Resolution	8 MP
Photo Sensor Technology	CMOS
Viewing Angle	120 Degrees
Digital Zoom	5x
Focus Type	Auto Focus
Connectivity Technology	USB
Microphone	4-element omnidirectional, Noise Cancelling
Speaker	Full-duplex, optimized
Item Dimensions (D x W x H)	4.33"D x 4.33"W x 10.63"H
Compatible Devices	Laptop, Personal Computer

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The NUROUM C46 Video Conference Webcam comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please visit the official NUROUM website or contact their customer service directly. You can find contact information and additional resources on the official NUROUM website: [NUROUM Official Store](#)