

## NUROUM V403-A35

# NUROUM Conference Room Camera System V403-A35 User Manual

Model: V403-A35

## 1. INTRODUCTION

The NUROUM V403-A35 is an all-in-one video conferencing system designed for small to medium conference rooms. It integrates a PTZ (Pan-Tilt-Zoom) webcam (V403) with 5X optical zoom and a Bluetooth conference speakerphone (A35) featuring 4 noise-cancelling microphones. This system provides high-quality video and crystal-clear audio for effective remote collaboration.



Image: The NUROUM V403-A35 system integrated into a modern conference room setting.

## 2. PRODUCT OVERVIEW

### 2.1 Package Contents

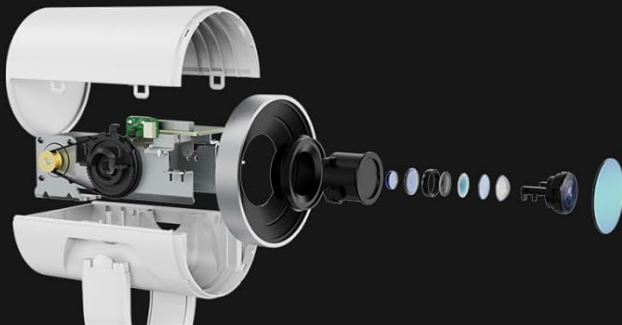
- 1x V403 PTZ Webcam Set
- 1x A35 Speakerphone Set

## 2.2 Key Features

- **All-in-one System:** Combines a PTZ webcam (V403) and a Bluetooth conference speakerphone (A35) for integrated video and audio.
- **PTZ Camera with 5X Optical Zoom:** 2MP CMOS sensor with 5x optical zoom for high-quality, undistorted images. Features true autofocus and 4 preset positions for easy camera control.
- **Advanced Audio:** A35 speakerphone utilizes deep learning-based algorithms for echo suppression, reverberation reduction, and ambient noise filtering.
- **Omnidirectional Microphones:** Built-in 4 professional-level microphones capture voices at a 360-degree angle with a 32kHz sampling rate for clear audio.
- **Multiple Connectivity Options:** Plug-and-play via USB. Speakerphone also supports Bluetooth or dongle connectivity. Camera features RJ45 port with POE and LAN/NDI support for professional streaming.
- **Universal Compatibility:** Works with major conferencing platforms like Zoom, Teams, Google Meet, WebEx, Skype, OBS, YouTube, and operating systems including Windows, macOS, Linux, and ChromeOS.

## Professional PTZ Webcam with Powerful Features for Premium Video Quality

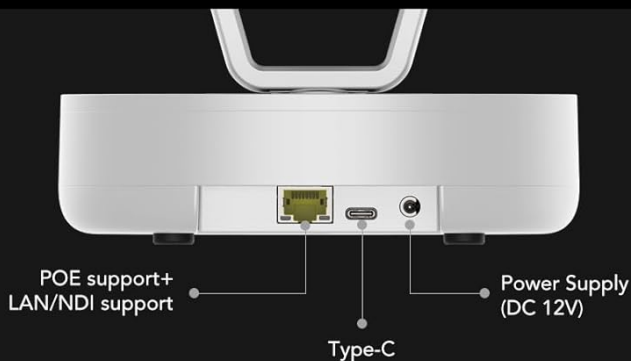
**1080P FHD** | Optical zoom  
USB PNP | **350°** Pan range  
**122°** Ultra-wide FOV



**4** Preset Positions



**2** Noise Reduction Microphone



**Multiple Interface**

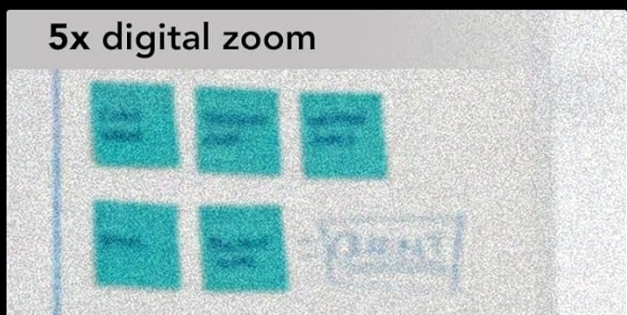
**NDI and RTSP  
Protocol Supported**

**NDI**®

Image: Detailed view of the V403 camera's internal components and the A35 speakerphone's multiple interfaces including Type-C, Power Supply, and LAN/NDI support.

# True 5X Optical Zoom for Super Clarity

The PTZ conference camera boasts an impressive 5x optical zoom, ensuring that even at maximum magnification, the camera maintains non-distorted, crystal-clear images.



Quickly zoom in/out to target position

Gradually zoom in/out

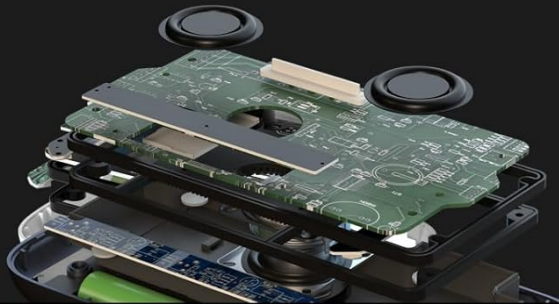
Image: Comparison showing the clarity of 5X optical zoom compared to 5X digital zoom, highlighting the V403's superior image quality at magnification.

# 4 32KHz MEMS Mics with 360° Voice Pickup Provide an Immersive Meeting Experience



**4-MEMS**  
Microphone-Array

**AI** Noise Cancellation



Premium **Hi-Fi** Speaker



Image: Visual representation of the A35 speakerphone's 4-MEMS microphone array and AI noise cancellation technology for enhanced audio pickup.

## 3. SETUP INSTRUCTIONS

Follow these steps to set up your NUROUM V403-A35 conference system.

### 3.1 Connecting the System

1. **Power Connection:** Connect the V403 PTZ webcam to a power source using the provided power cable.
2. **USB Connection (Recommended):** Connect the V403 webcam to your computer (PC/laptop) via a USB cable.
3. **Speakerphone Connection:**
  - **USB:** Connect the A35 speakerphone directly to your computer via USB.
  - **Bluetooth:** Pair the A35 speakerphone with your computer via Bluetooth.
  - **Dongle:** Use the provided dongle to connect the A35 speakerphone wirelessly to your computer.
4. **Display Connection (Optional):** If desired, connect your computer to a smart TV or monitor using an HDMI cable for a larger display.

5. **Network Connection (V403 Camera, Advanced):** For professional live streaming or NDI support, connect the V403 camera to your network via the RJ45 port (supports POE).

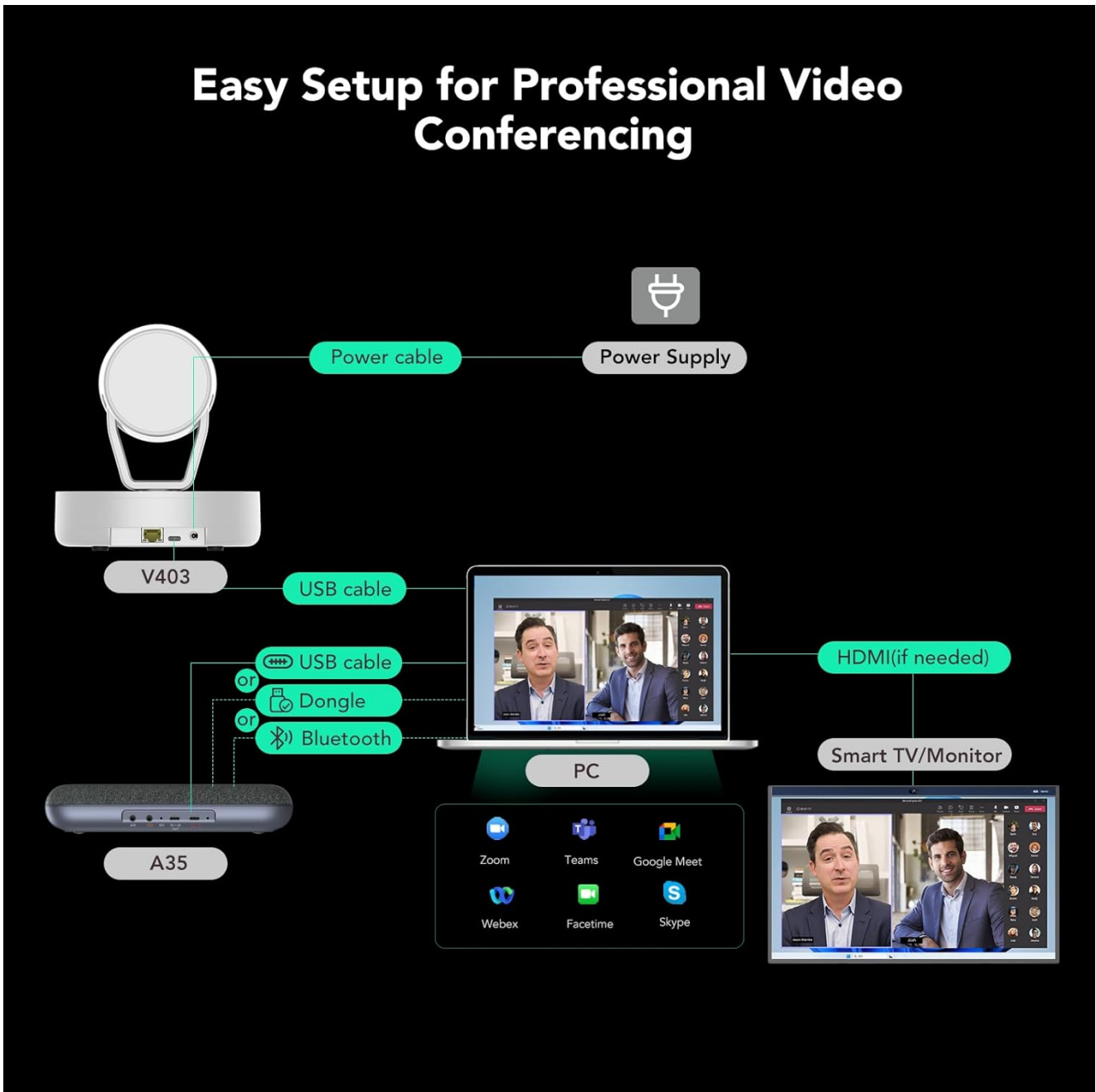


Image: A clear diagram illustrating the various ways to connect the V403 camera and A35 speakerphone to a computer and external display.

### 3.2 Placement

The V403 camera features a standard 1/4" thread base, allowing for flexible placement:

- On a table
- Mounted to a tripod (not included)
- Secured to a wall (mounting accessories not included)



Image: Visual examples demonstrating versatile placement options for the V403 camera within a conference room.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Using the V403 PTZ Webcam

- **Pan, Tilt, Zoom:** Use the included remote control to adjust the camera's pan, tilt, and 5X optical zoom.
- **Preset Positions:** The V403 supports 4 preset positions. You can save specific pan, tilt, and zoom settings for quick recall during meetings. Refer to the remote control for setting and recalling presets.
- **Autofocus:** The camera features true autofocus to maintain sharp images automatically.

### 4.2 Using the A35 Speakerphone

- **Power On/Off:** Press and hold the power button to turn the speakerphone on or off.
- **Volume Control:** Use the volume up (+) and volume down (-) buttons to adjust the audio level.
- **Mute/Unmute:** Press the microphone button to mute or unmute the microphones.
- **Call Control:** Use the call answer/end button to manage calls when connected via Bluetooth or USB.
- **Noise Cancellation:** The A35 automatically applies AI-based noise cancellation to filter out ambient sounds and echoes.

### 4.3 Software and Settings

For advanced settings and firmware updates, download the NearSync software from the official NUROUM website. This software allows you to customize image settings such as brightness, contrast, and white balance.



Image: A screenshot of the NearSync software, showing options for video settings like saturation, brightness, contrast, hue, and white balance.

## 5. MAINTENANCE

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To ensure optimal performance and longevity of your NUROUM conference system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and speakerphone surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Regularly check the NUROUM official website for firmware updates and install them using the

NearSync software to ensure the system has the latest features and bug fixes.

## 6. TROUBLESHOOTING

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If you encounter issues with your NUROUM V403-A35 system, refer to the following common problems and solutions:

Problem	Possible Solution
No video output from camera	Ensure the camera is powered on and the USB cable is securely connected to both the camera and the computer. Check if the camera is selected as the video source in your conferencing software.
No audio from speakerphone	Verify the speakerphone is powered on and connected (USB, Bluetooth, or dongle). Check the volume levels on the speakerphone and your computer. Ensure the A35 is selected as the audio output device in your conferencing software.
Microphones not picking up sound	Ensure the speakerphone is not muted. Confirm the A35 is selected as the audio input device in your conferencing software. Check microphone permissions in your operating system settings.
Camera zoom/PTZ not responding	Check the remote control batteries. Ensure there are no obstructions between the remote and the camera. Restart the camera and computer.
Compatibility issues with software	Ensure your conferencing software is updated to the latest version. Verify your operating system meets the minimum requirements. Download and install the latest drivers or firmware using NearSync.

For further assistance, please contact NUROUM customer service.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	NUROUM
Model Number	AW-VAS403-35
Connectivity Technology	USB, Bluetooth
Video Capture Resolution	1080p
Optical Zoom	5X
Optical Sensor Technology	CMOS
Viewing Angle	122 Degrees
Microphones	4 Noise Cancellation Microphones (32kHz sampling rate)
Frame Rate	30 FPS, 60 FPS, 120 FPS
Compatible Devices	Laptops, Personal Computers
Operating Systems	Windows, macOS, Linux, ChromeOS
Recommended Room Size	Up to 30 (323ft <sup>2</sup> )

## 8. WARRANTY AND SUPPORT

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### 8.1 Manufacturer's Warranty

The NUROUM V403-A35 Conference Room Camera System comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

### 8.2 Customer Support

NUROUM provides **lifetime customer service support** for this video conferencing system. If you have any questions, require technical assistance, or need to report an issue, please contact NUROUM customer service through their official website or the contact information provided with your product packaging.

For firmware updates and advanced image customization, please download the NearSync software from the official NUROUM website.