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> Nuroum C40 4K Conference Webcam User Manual

Nuroum C40

Nuroum C40 4K Conference Webcam User Manual

Model: C40 | Brand: Nuroum

1. INTRODUCTION

The Nuroum C40 is an all-in-one conference webcam designed for efficient and high-quality virtual meetings. It integrates a 4K camera, a 4-microphone array, and a high-output speaker into a single device. This manual provides detailed instructions for setting up, operating, and maintaining your Nuroum C40 webcam.



The Nuroum C40 conference webcam positioned on a conference table in a modern office environment, showcasing its sleek design and central placement for optimal meeting coverage.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Nuroum C40 Conference Webcam
- USB-C to USB-A Cable (with USB-C adapter)

- Power Adapter
- Infrared Remote Control (AAA batteries not included)
- User Manual (Japanese)

Note: Optional accessories such as expansion microphones (AM01) and a USB wireless dongle are sold separately.

3. SETUP

The Nuroum C40 supports plug-and-play functionality, requiring no driver installation for most operating systems.

3.1 Wired Connection

1. Connect the power adapter to the DC IN port on the Nuroum C40 and plug it into a power outlet.
2. Connect the provided USB-C cable to the USB-C port on the Nuroum C40.
3. Connect the other end of the USB cable (USB-A or USB-C, using the adapter if necessary) to an available USB port on your computer.
4. The device will be automatically recognized by your computer.

3.2 Wireless Connection (Optional)

For wireless connectivity, an optional USB dongle is required.

1. Connect the power adapter to the DC IN port on the Nuroum C40 and plug it into a power outlet.
2. Insert the optional USB wireless dongle into an available USB port on your computer.
3. The Nuroum C40 will automatically establish a wireless connection with the dongle.



リモコンで最大5倍ズームイン

ズーム機能は、特定の重要な詳細や個人に焦点を当てるのに役立ち、会議やプレゼンテーション、またはディスカッション中に柔軟性をもたらします。

④ ズーム イン ④ ズーム アウト

Detailed connection diagram illustrating the DC IN port, 3.5mm TRRS Mic In for expansion microphones, and the USB Type-C port for PC connection.

複数の取り付けオプション

4つの内蔵マイクにより、360°の広範囲をカバーし
最大5メートルの集音範囲を実現



Illustration of both wired USB connection to a laptop and wireless connection via an optional USB dongle, demonstrating flexible setup options.

4. OPERATING INSTRUCTIONS

The Nuroom C40 is designed for intuitive operation, primarily through its integrated controls and the included remote control.

4.1 Camera Features

- **4K Ultra HD Resolution:** Equipped with a high-performance CMOS sensor and a 120° ultra-wide-angle lens, the camera captures clear video, covering the entire meeting room.
- **AI Auto-Framing:** The camera automatically detects participants in its field of view and adjusts the framing to keep everyone optimally positioned.
- **5x Digital Zoom:** Use the remote control to digitally zoom in up to 5 times, focusing on specific details or individuals during a meeting.

Nuroom C40 【アップグレード版】

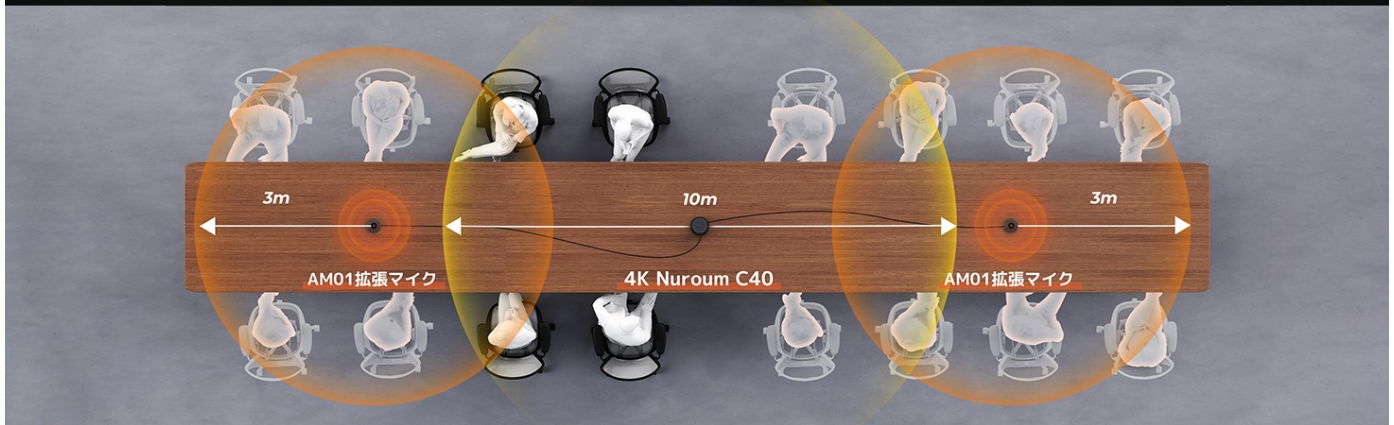
- ・ 外部マイク拡張対応、
最大約16メートル集音範囲に進化
- ・ USBケーブル/ドングル接続
いずれもプラグ&プレイで使用可能

*拡張マイクAM01 & ドングルNA20 別売



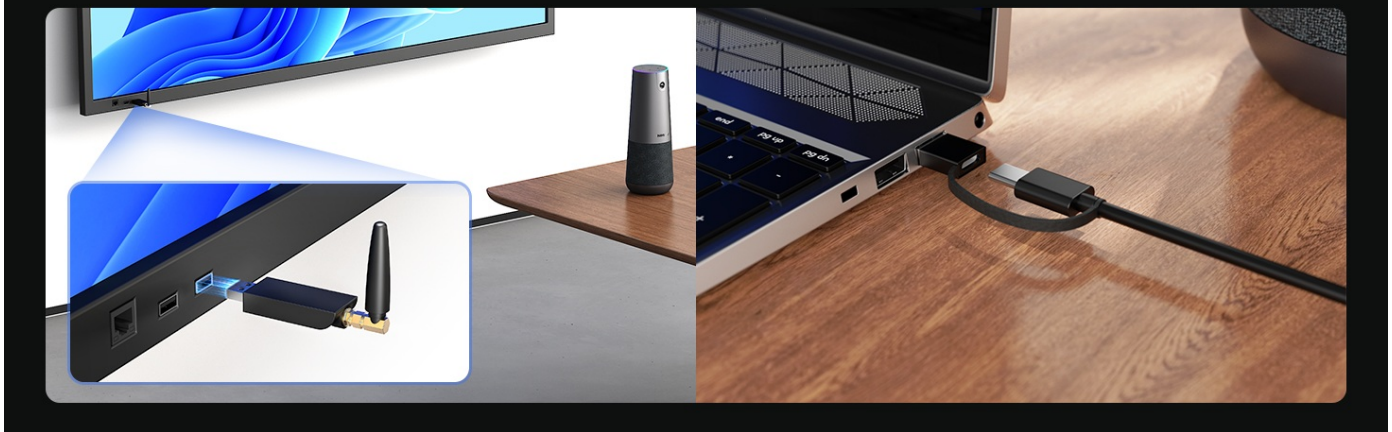
Visual comparison demonstrating the superior clarity and detail of 4K Ultra HD resolution provided by the Nuroom C40 compared to a standard webcam.

拡張可能な音声ソリューション 最大2台のAM01拡張マイク（別売）に対応



An illustration of the AI-powered auto-framing technology, showing how the camera detects participants and adjusts the frame to include everyone optimally.

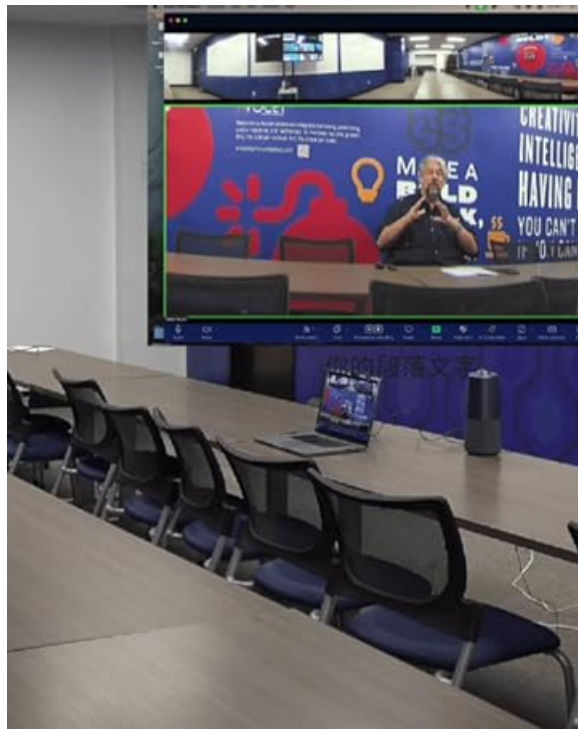
有線・無線の両接続に対応 利用環境に合わせて柔軟に選択可能



The remote control highlighting the zoom in and zoom out buttons, demonstrating how to use the 5x digital zoom feature.

4.2 Audio Features

- **AI Voice Optimization & Noise Cancellation:** The 4-microphone array, combined with proprietary AI algorithms, automatically emphasizes the speaker's voice while effectively suppressing ambient noise and echoes.
- **High-Output Speaker:** The integrated speaker provides clear audio output, supporting full-duplex communication for natural conversations. Using the power adapter ensures more stable volume and clearer output.
- **Wide Pickup Range:** Built-in microphones offer a sound pickup radius of approximately 5 meters.



An exploded view diagram illustrating the internal 4-microphone array, designed for 360° wide-range sound pickup.



A cutaway diagram showcasing the high-output speaker, emphasizing its design for clear and powerful audio delivery.

4.3 Remote Control Functions

The included infrared remote control allows for convenient adjustment of various settings:

- **Mute On/Off:** Quickly mute or unmute the microphone.
- **Video On/Off:** Turn the camera video feed on or off.
- **Speaker On/Off:** Control the speaker output.
- **Menu:** Access on-screen menu for advanced settings.
- **Digital Zoom:** Adjust the 5x digital zoom level.
- **Camera Angle Adjustment:** After zooming, use the arrow keys to pan the camera view up, down, left, or right.
- **Multi-function Button:** Specific functions may vary based on context or firmware.

4K Ultra HD 解像度対応 会議用カメラ

高性能イメージセンサーを搭載し、UHD 4K (30fps) または Full HD (60fps) で、高い解像度と自然な色再現を会議に提供します。

普通の製品



4K Nuroum C40



The remote control for the Nuroum C40, showing buttons for mute, video on/off, speaker control, menu access, digital zoom, and directional controls for camera angle adjustment.

複数の取り付けオプション

カメラをテーブルに直接置くだけでなく、底部の 1/4 インチネジを使用してスタンドや三脚にしっかりと取り付けることもできます。



An illustration demonstrating how to use the remote control's arrow keys to adjust the camera's field of view after applying digital zoom.

AI を活用した オート フレーミング 技術

カメラは視野内の参加者を検出し、全員が最適なフレーミング位置に留まるように自動的に調整できます。



The remote control displaying buttons for muting the microphone and turning off the camera, emphasizing privacy and security management during meetings.

5. EXPANDABLE AUDIO SOLUTION

For larger meeting spaces, the Nuroom C40's audio pickup range can be extended.

- The Nuroom C40 supports connection of up to two optional AM01 expansion microphones (sold separately).
- Connecting expansion microphones can extend the total audio pickup range up to approximately 16 meters.
- This ensures uniform voice pickup across a larger area, facilitating smooth communication in medium to large-scale meetings.

120°超広角

120° FOV により、すべての参加者が確実に見えるより没入型の会議体験が可能になります。



An overhead diagram illustrating the Nuroom C40's audio pickup range extended to 16 meters with the addition of two AM01 expansion microphones.

6. COMPATIBILITY

The Nuroom C40 is designed for broad compatibility with various operating systems and video conferencing platforms.

- **Operating Systems:** Compatible with Windows, macOS, Chrome OS, and Linux.
- **Video Conferencing Platforms:** Tested and compatible with major web conferencing tools including Zoom, Skype,

拡張可能な音声ソリューション 会議室全体を1台でカバー

最大2台のAM01拡張マイク（別売）に対応。
集音範囲は最大約16mまで拡張可能です。



集音範囲 10m → 16m



The Nuroum C40 connected to a laptop, demonstrating its seamless integration with a video conferencing application, showing multiple participants on screen.

7. MOUNTING OPTIONS

The Nuroum C40 offers flexible placement options to suit various meeting room setups.

- **Tabletop Placement:** The device can be placed directly on a conference table.
- **Tripod Mounting:** A 1/4-inch screw hole on the bottom of the unit allows for secure mounting on a standard tripod or stand. This is useful for adjusting height and position for optimal camera angles.

有線・無線の両接続に対応 利用環境に合わせて柔軟に選択可能

付属のUSBケーブルでPCに接続するだけ。
または dongle を接続すれば、すぐに会議を開始できます。
(※dongleは別売)



プラグアンドプレイ



アプリ不要



情報漏洩リスクなし



The Nuroum C40 shown mounted on a tripod, demonstrating an alternative setup option for adjusting camera height and position in a meeting room.

AIが気配り音声最適化・高出力スピーカー

Hi-Fi スピーカーは、遠隔地の参加者の音声をクリアにブロードキャストできます。

電源アダプターも付属しているので、USB単独で使用するよりもパワフルでスピーカーもより高い出力できます。



An image illustrating different ways to mount the Nuroum C40, including direct tabletop placement and mounting on a stand or tripod using the 1/4-inch screw hole.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Nuroum C40 webcam.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. For the camera lens, use a lens cleaning cloth and solution designed for optical surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Regularly check for and install firmware updates to ensure the device has the latest features and performance enhancements. Information on updates will be provided by Nuroum support.
- **Cable Management:** Ensure all cables are neatly arranged and not under strain to prevent damage.

9. TROUBLESHOOTING

If you encounter issues with your Nuroum C40, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet.
- **No Video/Audio:** Verify that the USB cable is properly connected to both the device and your computer. Check your video conferencing software settings to ensure the Nuroum C40 is selected as the primary camera, microphone, and speaker.
- **Poor Video Quality:** Ensure the camera lens is clean. Check your internet connection stability. For optimal performance, ensure sufficient lighting in the meeting room.
- **Poor Audio Quality (Echo/Noise):** Ensure the device is placed centrally in the room and not too close to walls or reflective surfaces. Confirm that AI noise cancellation is active (if configurable). Using the power adapter can improve audio stability.
- **Remote Control Not Responding:** Ensure fresh AAA batteries are installed in the remote control. Point the remote directly at the device.
- **Software Recognition Issues:** If your computer or software does not recognize the device, try connecting to a different USB port or restarting your computer. Ensure your operating system is up to date.

If problems persist, please contact Nuroum customer support.

10. SPECIFICATIONS

Brand	Nuroum
Model Number	AW-C40
Video Capture Resolution	4K Ultra HD
Photo Sensor Technology	CMOS
Lens Type	Wide Angle
Field of View (FOV)	120°
Digital Zoom	5x
Microphone Array	4-microphone array with AI noise cancellation
Audio Pickup Range	Up to 5m (expandable to 16m with optional mics)
Speaker	High-output integrated speaker

Connectivity	USB-C (wired), USB dongle (wireless, optional)
Mounting	Tabletop, 1/4-inch tripod screw hole
Supported OS	Windows, macOS, Chrome OS, Linux
Color	Metallic Gray
Included Components	Power adapter, USB cable, remote control

11. WARRANTY AND SUPPORT

Nuroum is committed to providing reliable products and excellent customer service.

- **Warranty:** The Nuroum C40 comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
- **Customer Support:** For technical assistance, troubleshooting, or warranty claims, please contact Nuroum customer support. Support is available in Japanese.
- **Firmware Updates:** Nuroum continuously provides firmware updates to improve functionality and performance. Please visit the official Nuroum website or contact support for information on the latest updates.