Nexvoo DoubleView
USB Video Bar

User Manual

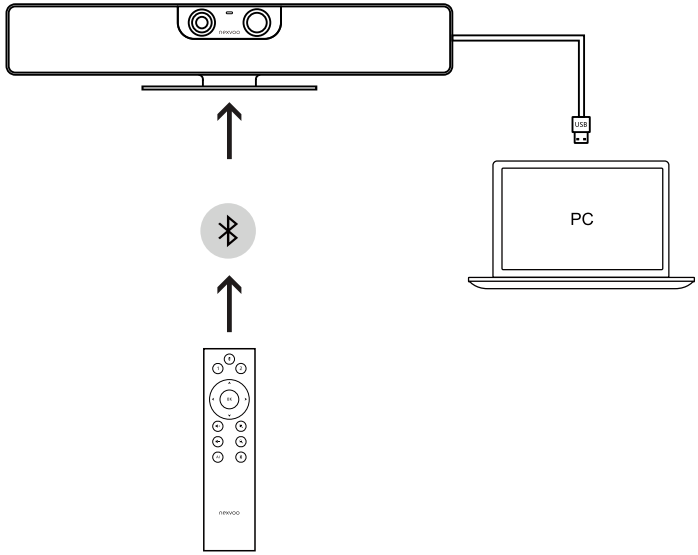
（Model: N120U)

Nexvoo DoubleView N120U Collaboration System

DoubleView N120U is a compact and highly capable meeting device designed and engineered for a medium-sized conference room.

The DoubleView N120U is a Dual-Cam all-in-one USB video bar that includes combination of cameras (ultra-wide and telephoto lenses), high quality speaker, and 8 microphone arrays.

DoubleView N120U supports 4K ultra-definition video calls, and integrates multiple AI technologies such as auto-framing, and speaker tracking. It allows you to experience the real large-scale conference room-level audio and extremely shocking video effects in a medium-sized conference room.



Package Includes

DoubleView N120U

Remote control

12V2A
Power Adpter

5m+1.8m USB-C cables

Mounting Bracket
and Accessories

Documentation

· We recommend that you use the accessories provided or approved by NEXVOO.

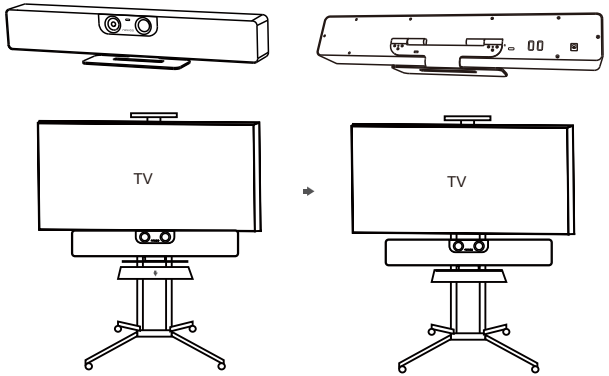
· The use of unapproved third-party accessories may result in uncertain problems.

· Use the NEXVOO original power adapter (12V/2A) to charge the endpoint only.

· The use of the a third-party power adapter may cause the damage to the endpoint.

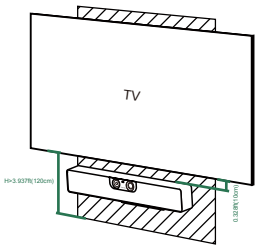
Endpoint Installation

Put on a flat surface

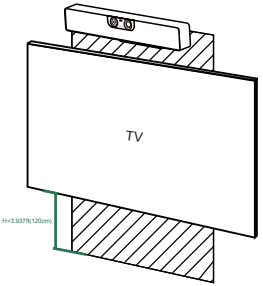


Mount on a wall

PIacing DoubleView N120U User Manual



Mount the DoubleView N120U below the TV when the mounting height of the lower side of the TV is higher than 3.937ft(120cm).

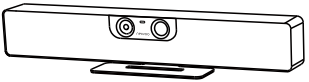


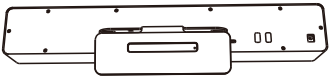
Mount the DoubleView N120U above the TV when the mounting height of the upper side of the TV is lower than 3.937ft(120cm).

Wall Mounting

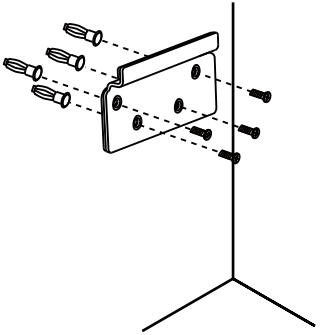
Use the bracket to mount your endpoint on a wall. The mounting height affects your camera view. The recommended height is 1.1m above the ground.

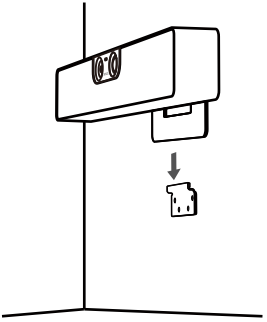
Step1：Assemble the mounting bracket



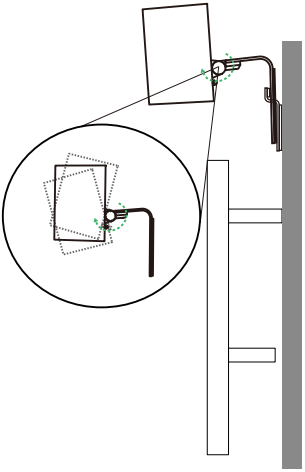


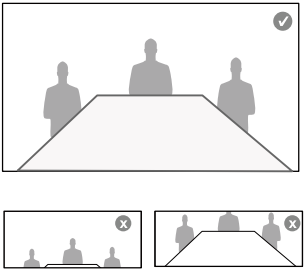
Step2：Mount the DoubleView N120U on the wall





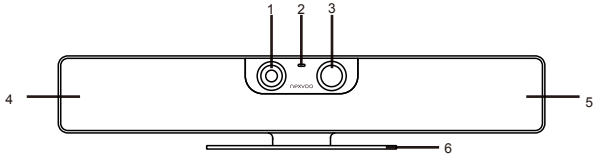
Adjusting The Camera Tilt





Nexvoo DoubleView N120U Introduction

The positive front cover



	Item		Item
1	Telephoto camera	4	Mic arrays
2	Camera indicator	5	Speaker
3	Ultra-Wide camera	6	Bracket

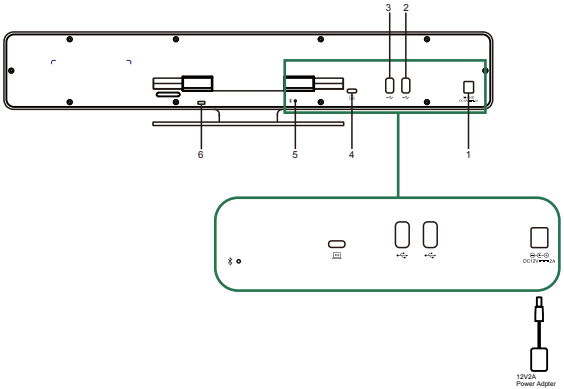
· The telephoto camera is used for long-distance imaging in a video conferencing.

· The Ultra-Wide camera is used to shoot scenes or people covering a large area in a video conferencing.

· The Camera indicator:

🔴	Always on	Camera is off
	Blink slowly	The microphone is muted
	Blink quickly	The AI function is turned off (Blink for 3 seconds)
		The device is updating the firmware.
🟢	Always on	After turned on, the device is in the initialization
		Camera is on
	Blink slowly	The device is searching for the remote control.
	Blink quickly	The device is paired with the remote control successfully (Blink for 3 seconds)
		The AI function is turned on (Blink for 3 seconds)
		The device has saved camera preset position successfully (Blink for 3 seconds)

The rear back cover: Endpoint Connections



	Item		Item
1	Power（**12V/2A**）	4	USB Type C
2	USB Type A 1	5	Bluetooth button
3	USB Type A 2	6	Kingston Lock

- The USB-A is used to connect external mouse/keyboard or a wried headset.

Remote Control Introduction

Using the remote control to control the equipment can achieve the desired effect.

Paring and connection

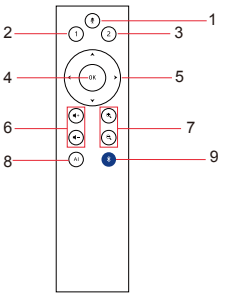
DoubleView N120U User Manual will automatically perform Bluetooth search after power-on. If the remote control is found, the pairing connection will be automatically performed.

- If the remote control is not found within 5 minutes, the search will be stopped. Please short press the Bluetooth button of the device to restart the search.
- If DoubleView N120U User Manual has been paired with the remote control, you can press the Bluetooth button for 3 seconds to delete the pairing information.After deleting the pairing information, you can pair and connect with the new remote control.
- The remote control is paired but not connected to the DoubleView N120U User Manual After 1 minute, it enters the sleep state. Please press any key to wake up the remote control and reconnect it.
- If the remote control is paired,you can press the Bluetooth button for 3 seconds to delete the pairing information. After deleting the pairing information,the remote can be paired with the new DoubleView N120U User Manual again.
- The remote control can only be paired and connected by one DoubleView N120U User Manual .

Control function

The following figure and table identify the functions of the buttons on the remote control.

1. Mute
2. Camera Preset 1
3. Camera Preset 2
4. Camera Switch
5. Pan and Tilt
6. Volume up/down
7. Zoom in/out
8. AI Switch
9. Bluetooth



Web Management

You can configure the Nexvoo DoubleView USB video bar on the Web management.

You can configure the following settings on the Web management.

• View device information

• The remote control configuration

• Camera tracking

• Firmware update & reset

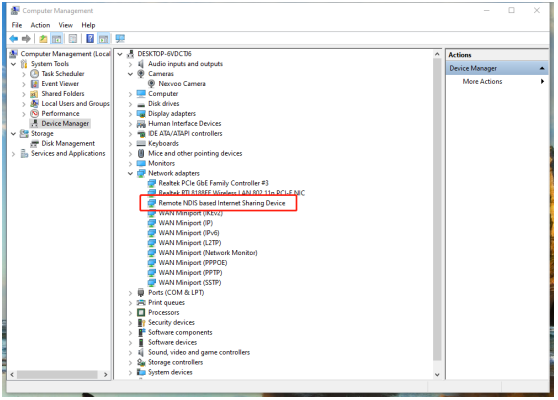
• Change password

• Restore default settings

Note: Web management only supports Windows system.

Network configuration

1. After DoubleView is connected to the power, it will automatically turn on, and connect DoubleView to your computer via USB. The computer will automatically install DoubleView USB Audio, USB Camera and Remote NDIS drivers, then open the computer's **Device Manager** to view the installed USB devices. (Set Windows 10 system as example)

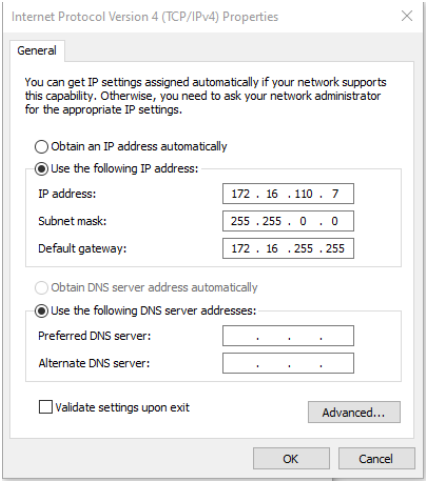


2. Select [Computer's **Control Panel - Network and Internet - View Network Status and Tasks - Change Adapter Settings**], you can see the Ethernet with the device name "Remote NDIS based Internet Sharing Device", right-click the Ethernet, select "**Properties**", and open [**Network-Internet Protocol Version 4 (TCP/ IPv4)**], then manually configure the IP address.

• IP address: **172.16.110.7**

• subnet mask: **255.255.0.0**

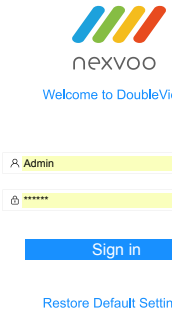
• Default gateway: **172.16.255.255**



Click **OK** to save configuration.

Login Web management

1. Start the browser, enter **http://172.16.110.6** to open the login interface of the DoubleView Web management platform.
2. Enter the username and password, click "Sign in" to login to the web management platform. (Default username: **Admin**, Password: **123456**)



Note: Some browsers may not be fully compatible. It is recommended to use Chrome/Firefox/Microsoft Edge browser etc.

View device information

You can view the basic information for your DoubleView USB device through Web Management platform.

Procedure

1. Login to the web management platform through a browser.
2. In the Dashboard section, view the basic information for your DoubleView USB device.

The remote control configuration

You can clear the paired remote control in Bluetooth Settings menu through the web management platform.

Procedure

1. Login to the web management platform through a browser.
2. Go to General Settings – Bluetooth Settings.
3. Click “Clear Remote Control” button to clear the paired remote control, then you can pair and connect a new remote control.

Camera tracking

You can set the AI technology of the device in the Camera Tracking menu through the web management platform.

Procedure

1. Login to the web management platform through a browser.
2. Go to General Settings – Camera Tracking.
3. Control the DoubleView USB device through the following functions:

Features	Description
AI Technology	The default is on. After the AI technology is turned on, the device will enable Auto Framing and Speaker Tracking functions.
Tracking Speed	Tracking speed setting refers to how long the speaker continues to speak, the screen will automatically track the speaker and focus on the speaker. You can set Fast / Normal / Slow, the default is Fast.
Return to the Panorama Screen regularly during Tracking	The default is on. After this function is turned on, the system will return to the panoramic screen regularly according to the time set in the “Return Time” item. If it is turned off, the screen will not be returned to the panoramic screen regularly during tracking, it will continueto focus on the speaker until it is no longer speaking.
Return Time	Return time refers to when the screen is tracked and focused on the speaker, how long the speaker has not spoken or keeps speaking will automatically return to the panoramic screen. you can set 15s / 30s / 45s / 60s. The default is 30 seconds.

Update the DoubleView USB device

You can update the firmware of the DoubleView USB device through Web Management platform.

Procedure

1. Login to the web management platform through a browser.
2. Go to System Settings – Firmware Update.
3. Firmware Update includes MCU update and system update.

• MCU update

Click or drag the firmware file with the format of **.bin** to the firmware import area, then click "Update" button to start the MCU update.

• System update

Click or drag the firmware file with the format of **.img** to the firmware import area, then click "Update" button to start the MCU update.

Note: Make sure your computer doesn't enter sleep mode during the firmware update. Otherwise, the update may fail.

Change your password

Nexvoo recommends that you change your device's password from the default for security reasons.

Procedure

1. Login to the web management platform through a browser.
2. Go to System Settings – Change Password.
3. Enter your Current Password.
4. Enter a new password in New Password and Confirm Password fields.
5. Click Save.

Restore default settings

You can erase all configuration and restore the DoubleView USB video bar default setting through Web Management platform.

The default settings to be cleared include but are not limited to:

• Password

• Remote control presets

• Camera tracking

• Audio settings

• Bluetooth settings

Procedure

1. Open the login interface of the Web management platform.
2. Click Restore Default Settings.
3. Enter the correct SN number of the device.
4. Click OK to restore default settings.

Regulatory Notices

1. Operating Ambient Temperatures

- Operating temperature: +32 to 104°F (0 to 40°C)
- Storage temperature: -13 to +160°F (-25 to +70°C)
- Relative humidity: 5% to 90%, non-condensing

2. Warranty

Our product warranty is limited only to the unit itself, when used normally in accordance with the operating instructions and the system environment. We are not liable for damage or loss resulting from the use of this product, or for any claim from a third party. We are not liable forproblems with Nexvoo device arising from the use of this product; we are not liable for financial damages, lost profits, claims from third parties, etc., arising from the use of this product.

3. Explanation Of The Symbols DC

·Symbol is the DC voltage symbol.

·WEEE Warning symbol

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol.

Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

4. Restriction Of Hazardous Substances Directive (ROHS)

This device complies with the requirements of the EU ROHS Directive.

Statements of compliance can be obtained by contacting support@nexvooinc.com.

5. Safety Instructions

Save these instructions. Read these safety instructions before use!

⚠ General Requirements

- Before you install and use the device, read the safety instructions carefully and observe the situation during operation.
- During the process of storage, transportation, and operation, please always keep the device dry and clean, avoid collision and crash.
- Please attempt not to dismantle the device by yourself. In case of any discrepancy, please contact the appointed maintenance center to repair.
- Please refer to the relevant laws and statutes while using the device. Legal rights of others should be respected as well.

⚠ Environmental Requirements

Place the device at a well-ventilated place. Do not expose the device under direct sunlight.

Keep the device dry and free of dusts.

Do not place the device on or near any inflammable or fire-vulnerable object, such as rubber-made materials.

Keep the device away from any heat source or bare fire, such as a candle or an electric heater.

⚠ Operating Requirements

- Do not let a child operate the device without guidance.
- Do not let a child play with the device or any accessory to avoid accidental swallowing.
- Please use the accessories provided or authorized by the manufacturer only.
- Please use the provided surge protection power socket only.
- Before plugging or unplugging any cable, make sure that your hands are completely dry.
- Do not spill liquid of any kind on the product or use the equipment near water, for example, near a bathtub, washbowl, kitchen sink, wet, and basement or near a swimming pool.
- During a thunderstorm, stop using the device and disconnect the power supply and USB connection line to avoid lighting strike.
- If the device is left unused for a rather long time, disconnect it from the power supply and unplug the power plug.
- When there is smoke emitted from the device, or some abnormal noise or smell, disconnect the device from the power supply, and unplug the power plug immediately.
- Contact the specified maintenance center for repair.
- Do not insert any object into equipment slots that is not part of the product or auxiliary product.
- Before connecting a cable, connect the grounding cable of the device first.
- Do not disconnect the grounding cable until you disconnect all other cables.

⚠ Cleaning Requirements

- Before cleaning the device, disconnect it from the power supply.
- Use a piece of soft, dry and anti-static cloth to clean the device.
- Keep the power plug clean and dry.

6. Troubleshooting

Q: The unit cannot supply power to Nexvoo device.

A1: There is a bad connection with the plug.

(1) Clean the plug with a dry cloth.

(2) Connect it to another wall outlet.

A2: The usage environment is out of operating temperature range.

(1) Use in the operating temperature range.

A3: The cable between the unit and the Nexvoo device is connected incorrectly

(1) Connect the cable correctly.

A4: You cannot connect the cable properly.

(1) You may have connected a wrong Nexvoo device.

(2) Use the correct power supply.

A5: Some dust, etc., may be in the port

(1) Clean the port

Contact your dealer or authorized service facility for any further questions.

7. FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

8. RF warning for Portable device

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

9. Copyright

Except where expressly stated otherwise, no use should be made of the Documentation, Software, Hosted Service, or hardware provided by Nexvoo.

All content the documentation, Hosted Service, and the product provided by Nexvoo including the selection, arrangement and design of the content is owned either by Nexvoo or its licensors and is protected by copyright, and other intellectual property laws including the sui generis rights relating to the protection of databases. You may not modify, copy, reproduce, republish, upload, post, transmit or distribute in any way any content, in whole or in part, including any code and software unless expressly authorized by Nexvoo.

Unauthorized reproduction, transmission, dissemination, storage, and or use without the express written consent of Nexvoo can be a criminal, as well as a civil offense.

10. Third Party Components

"Third Party Components" means certain software programs or portions thereof included in the Software or Hosted Service may contain software (including open source software) distributed under third party agreements ("Third Party Components"), which contain terms regarding the rights to use certain portions of the Software ("Third Party Terms"). As required, information regarding distributed Android source code (for those products that have distributed Android source code) and identifying the copyright holders of the Third Party Components and the Third Party Terms that apply are available in the products, Documentation or such successor site as designated by Nexvoo. The open source software license terms provided as Third Party Terms are consistent with the license rights granted in these Software License Terms, and may contain additional rights benefiting you, such as modification and distribution of the open source software. The Third Party Terms shall take precedence over these Software License Terms, solely with respect to the applicable Third Party Components to the extent that these Software License Terms impose greater restrictions on you than the applicable Third Party Terms.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user'sauthority to operate the equipment.

Product Information

Dimensions

· 3.9 x 19.9 x 2.8 inches (H x W x D)

· 98 × 505 x 72 mm (H x W x D)

Weight

· 3.97 lbs / 63.5 oz (1.8 kg)

Camera Specs

· Video Resolution
  - UHD 4K@30fps
  - FHD 1080p@30fps
  - HD 720p@30fps
· Ultra wide-angle camera
  - 8M pixels
  - f/1.8 Aperture
  - 5x digital zoom / EPTZ
  - 120° wide-angle field of view
  - 4K capture resolution
· Telephoto camera
  - 8mm focal length
  - 3x digital zoom
  - 52° field of view
  - 1080p capture resolution
· Intelligence Feature
  - Auto Framing
  - Speaker Tracking
· Video encoding: H.265 / H.264 / MJPEG / YUV
· Camera LED Indicator
· Automatic White Balance
· Automatic Exposure
· Fixed focus

General Specs

· 16ft/5m detachable USB cable for PC or Mac-based video conferencing

· Works with most video conferencing applications

· Bluetooth Button

· Kensington Security Slot

Audio Specs

· Support full-duplex conversations, acoustic echo cancellation and background noise suppression

· Mute / Unmute controls

· Microphone:

- 8-element beamforming microphone arrays
- 26ft / 8m pickup range
- 120 Hz–16 kHz frequency response

· Speaker:

- 100Hz-20KHz Frequency response
- Output = 95 dB @ 0.5m

System Requirements

· Windows 7/ 8.1/ 10

· Mac OS 10.15 or higher

· Chrome OS

· Android 6.0 or higher

Connector

· 1 x USB Type-C

· 2 x USB Type-A

Power Input

· 12V ⎓ 2A

The specifications above are subject to changes without notice.

NEXVOO® US (Corporate HQ):
1702 W Michigan St
Indianapolis, IN 46222
Web: www.nexvoo.com
Email: support@nexvoo.com