



# NexPod Pro

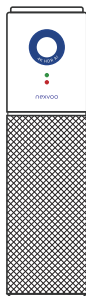
## 4K AI USB Conference Camera



User Manual  
(Model: N149)

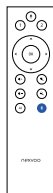
# Package Contents

1



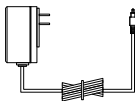
NexPod Pro 4K AI USB  
Conference Camera

2



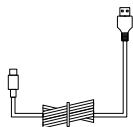
Remote Control

3



Power Adapter

4



USB Cable  
(1.8m/5.9ft)

5



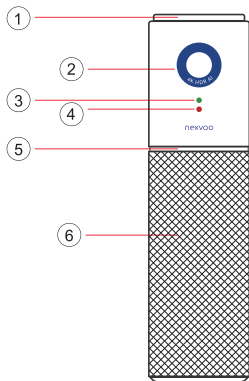
User Manual

## Features

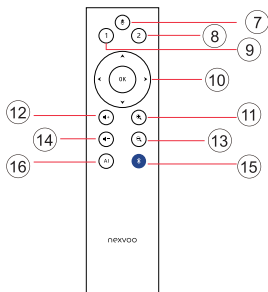
1. 120° field of view 4K Camera to capture all meeting participants crystal clearly.
2. 4K 30fps Ultra HD video call.
3. 2-Element beamforming microphone arrays, your voice can be heard clearly every time.
4. Uninterrupted full-duplex two-way communication, AI noise-suppression, echo-cancellation, competent under various acoustic environments.
5. AI auto framing and AI speaker tracking.
6. Quickly and easily create a connection between any Bluetooth device and the integrated speakerphone.
7. Adjustable camera vertical angle.
8. Sleek, easy to carry, USB plug-and-play connectivity.
9. Works with most video conference applications.

# Know your product

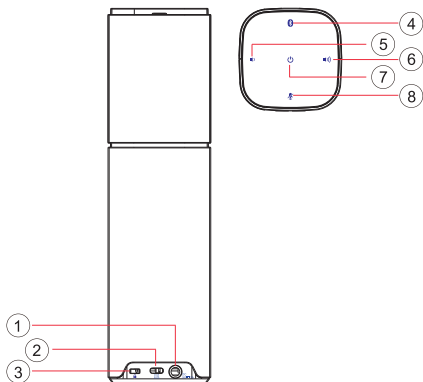
1. Microphones
2. HDR Camera, 4K and 120° FOV
3. Camera LED
4. Battery LED
5. Status indicator
6. Speaker



7. Mute
8. Camera Preset 2
9. Camera Preset 1
10. Pan and Tilt
11. Zoom In
12. Volume up
13. Zoom out
14. Volume down
15. Bluetooth
16. AI Switch



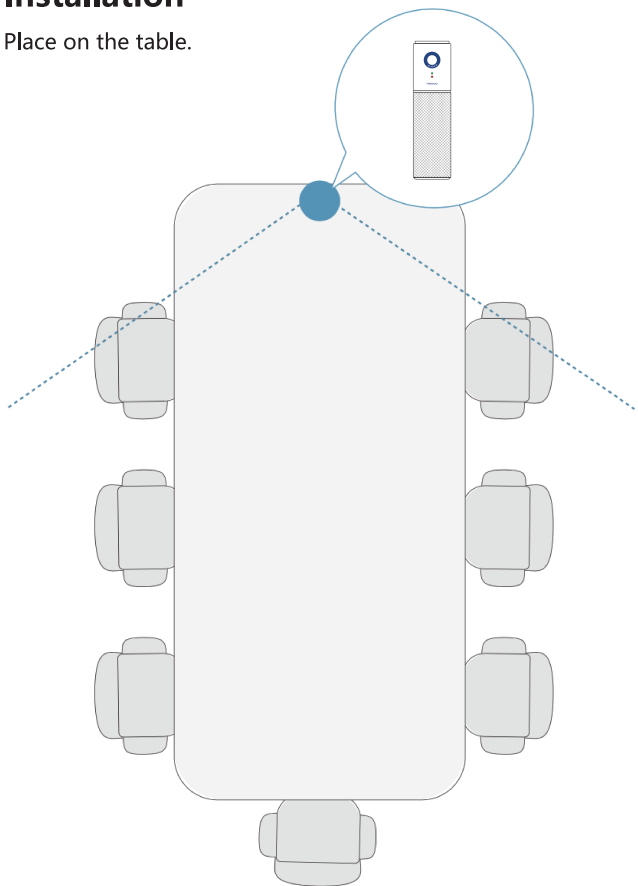




1. Power
2. USB Connector
3. Kensington Lock
4. Bluetooth Mode button
5. Volume down button
6. Volume up button
7. Power On/Off button
8. Microphone Mute button

# Installation

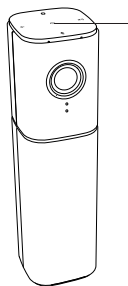
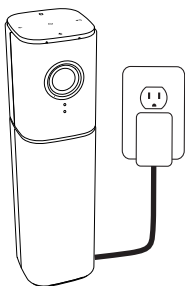
Place on the table.



## Setup your product

Connect NexPod Pro to external power. Although NexPod Pro comes with rechargeable battery, it must first be plugged into external power and charged till the battery LED turns off.

Note: The device can also be charged through USB on your PC or Mac (charging time may vary).



On/Off

Touch and hold power On/Off button to turn on the device.

A sound will play and the device LEDs will light on.

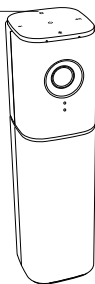


Bluetooth Mode



Video Conferencing Mode  
(Default setting)

Select the following modes and follow the instructions to get started.



## 1. Video Conferencing Mode:

- Connect the USB cable to the device and to your USB port.
- To start video conference from your PC or Mac application, NexPod Pro is selected as Video Conference Mode by default. Camera LED and status indicator will light to show that connection is taking place.

If these activities do not take place, try again and then consult Troubleshooting.

- Ensure that NexPod Pro is selected as the default video and audio device in your OS settings and in your conferencing application. Start your video or audio call from your application.

## 2. Bluetooth Mode:

To connect NexPod Pro to your mobile device:

- Select Bluetooth mode on the NexPod Pro.
- The NexPod Pro Bluetooth is set to pairing mode, and the status indicator shows blue breathing status.
- If you can't find the Bluetooth of the NexPod Pro, you can touch the Bluetooth mode button to make Bluetooth in pairing mode.
- On your mobile device, go to settings and turn on Bluetooth to connect. NexPod Pro will also light blue color LED acknowledge connection.

# Use your product

## 1. Video

- Starting the video: The video is controlled by the application and will start once the camera is selected and the video is started in the application. Camera LED will turn on when the video is streaming.
- Pan, tilt and zoom the camera using the controls on the remote control. Press once for incremental or press and hold for continuous pan or tilt. You can also pan and tilt the camera image – first zoom in, and then pan the image or tilt the image. You may also manually tilt the camera itself.
- Saving pan, tilt and zoom settings: It can be saved by long pressing the Camera preset 1 and 2 of the remote control. After saving successfully, the status indicator will blink blue for 1 second.

## 2. Audio

- Volume: Volume Up and Down adjusts volume.
- Mute: Mute microphone with Mute button.

## 3. Connection with Bluetooth remote control:







- NexPod Pro will automatically search remote control's Bluetooth after power-on. If the remote control is found, NexPod Pro can pair and connect automatically with remote control. If the remote control is not found within 3 minutes, the search will be stopped. Please short press the Bluetooth button of the device to restart the search.
- The remote control is lost or cannot be found, how to pair a new remote control, you can do the following:  
Touch the Bluetooth mode button and microphone mute button for 3 seconds to delete the paired Bluetooth remote control, NexPod Pro will automatically search and connect to the new remote control.

Note: The control distance of the remote control is about 10meter(32.8ft).

## 4 . Advanced AI Technologies



- Advanced AI technologies includes Auto Framing and Speaker Tracking functions. The Auto Framing is based on participants' face detection, realizing real-time detection and position tracking of everyone in the meeting, and can automatically adjust the camera according to the number of participants and changes in position, so that the screen covers all participants and their position. Besides, based on the Auto Framing function, the device adds a speaker tracking function. In a meeting the camera lens can be individually focused on the speaker, giving the speaker the best close-up shot of a single person. You can turn off or turn on by AI switch button through Remote Control.

## Button Instructions





	Touch the button and hold for 3 seconds to power on or off
	Touch the button to increase speaker volume
	Touch the button to decrease speaker volume
	Touch the button to mute or unmute the microphones
	Touch the button and hold for 3 seconds to turn Bluetooth mode on or off
	Touch the buttons and hold for 3 seconds to clear the paired remote control, the device can be paired with a new remote control

# Light Indicator






## 1. Camera LED

	Camera on
	Camera off

## 2. Battery LED

	The battery is over 75% capacity when the charging cable is not connected
	The battery is being charged
	The battery has less than 20% capacity
	Fully charged while the charging cable is connected
	The blue LED turns off when the battery level is below 75%

## 3. Status Indicator

	The device is turned on
	The device is in video conferencing mode
	The device is in Bluetooth Mode and device's Bluetooth is successfully connected
	NexPod Pro successfully connected with the remote control
	Saved Camera preset successfully
	The device is in Bluetooth Mode
	Bluetooth is in pairing mode
	The microphones are on mute

\* The actual color of LED indicator may be slightly different and shall prevail.

## Web Management

You can configure the Nexvoo NexPod Pro USB video device on the Web management.

You can configure the following settings on the Web management.

- View device information
- Bluetooth mode
- Remote control configuration
- Camera Tracking
- System update & reset
- Change password
- Restore default settings

**Note:** Web management only supports Windows system.

### Network configuration

1. After NexPod Pro is connected to the power supply, it will automatically turn on, then long press Bluetooth key and volume + key of the device for 3 seconds, the ring blue LED flashes and plays sound, the device turns on the AP mode, The SSID of the device's WIFI is: **NexPod**.

Note: If WIFI is not connected within 5 minutes, NexPod Pro will turn off AP mode.

2. Search for "NexPod" and connect via WIFI on your computer.

### Login Web management

1. Start the browser, enter **http://192.168.1.1** to open the login interface of the NexPod Pro 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 NexPod Pro 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 NexPod Pro USB device.

## Bluetooth Mode

You can set the Bluetooth mode and 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. The following Bluetooth functions of the NexPod Pro USB device can be used:

Features	Description
Bluetooth Mode	The default is off, After the Bluetooth mode is turned on, you can connect NexPod Pro via Bluetooth to your mobile phone or PC, and use NexPod Pro to make audio calls or play music.
Clear Remote Control	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 NexPod Pro 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 continue to 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 NexPod Pro USB Device

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

### Procedure

1. Login to the web management platform through a browser.
2. Go to System Settings – 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 system update.

**Note:** Make sure your computer doesn't enter sleep mode during the system 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 NexPod Pro USB video device default setting through Web Management platform.

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

- Password
- Remote control presets
- Bluetooth settings
- Camera Tracking
- Audio 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.

## Notes & Warnings

### Please read and follow all the safety instructions carefully.

1. Use the included USB cable to connect the device, the use of unapproved third-party USB cable may damage your device.
2. Unauthorized dismantlement and strong impact may damage the device.
3. Keep the device away from high-temperature environments, heat sources, strong magnetic, or electric fields.
4. Do not immerse the device in water or any other liquid. Store the whole device in dry and cool places.
5. Constant high-volume sounds have a negative impact on human hearing.
6. Dispose the packing materials, the whole device, battery, and other electronic components properly.
7. Do not dismantle, crush, or pitch the battery into fire.
8. The package and this device contain small components that can be dangerous to children, Please keep the device out of children's reach.
9. The device can be an interference source for other electronic devices and medical equipment.

## Troubleshooting tips

Please visit [www.nexvoo.com](http://www.nexvoo.com) for troubleshooting tips, information on software tools and for a diagnostic tool to help troubleshoot any issues you may have with your NexPod Pro.

# Product Information

## Dimensions

- 275.5 x 76 x 76mm (H x W x D)  
10.9 x 3.0 x 3.0inches (H x W x D)

## Weight

- 581g  
1.28lbs / 20.5ounces

## Camera Specs

- f/1.8 Aperture
- 4K Video Output
- 120° FOV
- 4X digital zoom / EPTZ
- 3F HDR > 120dB
- Auto Framing and Speaker tracking
- Automatic White Balance
- Automatic Exposure
- Fixed focus

## Video Specs

- UHD 4K@30fps  
FHD 1080p@30fps  
HD 720p@30fps

## Speaker Specs

- Peak Power: 5W
- Speaker Frequency Response:  
100Hz~16KHz
- Speaker Volume: 90dB@0.5m

## Audio Specs

- 2-element Beamforming Microphone Array
- Frequency Response: 20Hz~15KHz

## General Specs

- Rechargeable Battery supports up to 3 hours video conferencing; 8 hours for Bluetooth audio. Battery charging time (from AC power, device idle): 3 hours.
- Battery rechargeable through AC Power or USB port.
- 6-foot detachable USB cable for PC or Mac-based video conferencing
- Works with most video conferencing applications
- Kensington Security Slot

## System Requirements

- Windows 7, Windows 8 or Windows 10
- Mac® OS X® 10.15 or higher
- Chrome OS™
- Android™ 6.0 or higher

## Connector

- USB Type-C (USB2.0)

## Power Input

- 5V=2A

\*The specifications above are subject to changes without notice.

**FC CE RoHS**

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