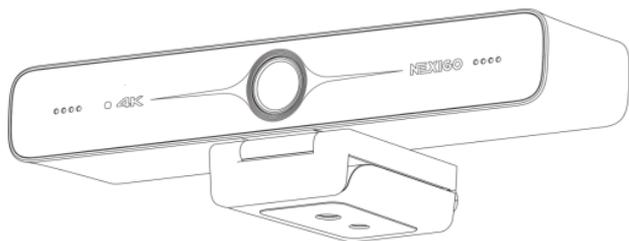




4K AI-Powered Webcam User Manual-N970P



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www.nexigo.com

Thanks for Choosing NexiGo!

Welcome to the NexiGo Family!

Thank you for choosing the NexiGo N970P 4K AI-Powered Webcam! You are now part of an exclusive club: the NexiGo family! It's our job to make sure you enjoy your membership. If you have any problems please contact us at cs@nexigo.com at any time for further assistance. This product is covered by our industry leading 1-year manufacturers warranty. Make sure to register your purchase at nexigo.com/warranty within 14 days of the delivery date to extend your warranty coverage to TWO Years!

From all of us here at NexiGo, we want to welcome you again to the family. We thank you deeply for your trust and for your business. We know you'll love it here. We look forward to serving you again in the near future.

Yours Sincerely,
The NexiGo Team

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NexiGo Webcam Settings Software

NexiGo is proud to introduce the new NexiGo Webcam Settings software! Free of charge to all our loyal NexiGo customers, use it to enhance your experience with your webcam. Just head on over to nexigo.com/software to download it. The NexiGo Webcam Settings software allows you to change almost every setting for your webcam. From brightness to focus, from saturation to hue, find the look that highlights the best you!

Download the **NexiGo Webcam Setting Software** from

nexigo.com/software



Safety Notes

This manual contains detailed instructions on the operation and installation of the NexiGo N970P. Please read the manual in its entirety before installation and use.

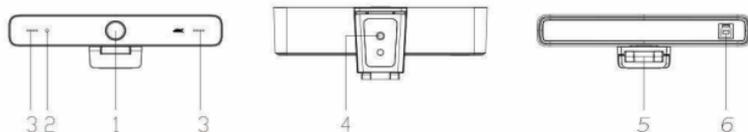
- Avoid damage to products caused by heavy pressure, strong vibration or immersion during transportation, storage and installation.
- Do not expose it to any liquid, gas or solids which may corrode the shell.
- Do not expose this product to rain, moisture, high humidity, or any adverse weather conditions. This item is intended to be used at room temperature and in a controlled environment.
- Do not exceed the power requirements of this product.
- Clean the camera lens with a dry, soft microfiber cloth only. Use only a mild detergent if necessary. Avoid any strong or corrosive detergents to avoid damaging the lens.
- Do not charge the light using a frayed or damaged USB cable.
- Do not touch the device, power adaptor, or USB cable with wet hands. Keep this product dry.
- Do not attempt to repair, disassemble, or modify the light under any circumstance.
- Only use the remote to move the camera head. Attempting to physically move the camera may lead to damage and mechanical failure.
- Ensure that there are no obstacles to block or hamper the rotational range of the camera.
- Do not power the camera before completing the installation. This may cause unintended damage.

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1. Product Installation

1.1 Product Diagram



1. UHD Lens

2. Activity Indicator

3. Noise Reduction Microphones

4. 1/4" Tripod Screw Hole

5. Flexible Clip/Base

6. USB-B 3.0 Port

1.2 Installing Your Webcam

Option 1: Place on a flat surface

Option 2: Mount on a laptop or monitor

Option 3: Install with a 1/4" thread tripod

1.3 Connect the Webcam to Your Computer

Windows Setup

1) Go to **Settings > Privacy > Camera** and turn on "Let apps use my camera".

2) Select the apps on the list where you want the camera to be used. When the app is open, ensure that you have selected the **NexiGo N970P 4K Webcam** as the active camera and microphone from the list of available options.

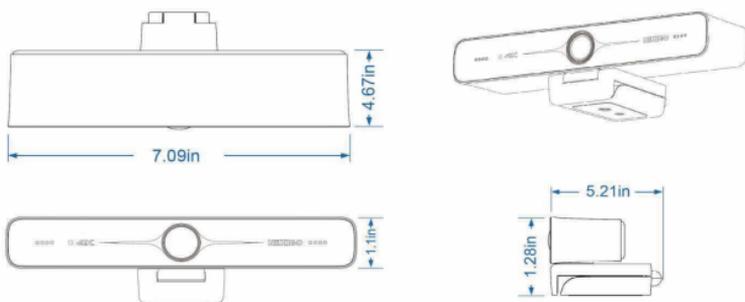
MacOS Setup

1) Go to the **Apple menu > System Preferences > Security & Privacy**, select the **Privacy** tab. Select **Camera** from the list of options on the left side of the page.

2) Locate the apps you want to enable camera access for. Click the box next to the app's name to enable camera access for that application.

2. Product Overview

2.1 Dimension



2.2 What's in the Box?

- 1 x 4K ePTZ Camera
- 1 x USB-B to USB-A Cable
- 1 x User Manual
- 1 x Remote (Requires 2 AAA batteries, not included)

2.3 Main Features

N970P is a 4K ultra-high-definition ePTZ camera with AI intelligence. It will intelligently and automatically frame individuals in the center of its image. The N970P uses advanced ISP processing algorithms to produce vivid images with clear, even brightness, high resolution, and strong colors.

- **UHD 4K Resolution:** Displays resolutions up to 4K at 30fps (MJPG) or 30fps (H.264). Compatible at 1080P and 720P.
- **Auto Framing:** Employs superior detection algorithms to intelligently capture and frame speakers in the center of the image.
- **ePTZ:** Electronic Pan-Tilt-Zoom, with up to 10X zooming, allows for easy adjustments from a distance.
- **Built-in Mics:** Two built-in omni-directional microphones equipped with noise suppression technology to reduce background noise but remain highly effective up to 6 meters (19.7 ft).
- **Multiple Installation Options:** Can be installed in multiple ways. Comes equipped with a standard mount clamp for use on laptops, computers, and larger screens.

Can also be installed on tripods.

- **Easy to Use:** Plug-and-play with no additional drivers or installation required.

2.4 Specifications

Model	N970P
Camera Parameter	
Sensor	1/2.8-inch SONY low illumination 8.28MP sensor
Effective Pixels	8.28MP, 16: 9
Video Interface	1 x USB Type-B 3.0 port; Supports audio signal output
Audio input	2 x Built-in microphones pickup
Video Format	MJPEG: 3840*2160@30/2560*1440@30/1920*1080@30 etc. H264: 3840*2160@30 /2560*1440@30/1920*1080@30 etc. YUY2: 1920*1080@30/1280*720@30/800*448@30 etc. NV12: 1920*1080@15/1280*720@30/800*448@30 etc.
Field of View	D=91°/H=83°/V=54°
Focal Length	F=3.24mm
Aperture	F2.1
Digital Zoom	10X
Minimum Illumination	0.1Lux (F1.8, AGC ON)
White Balance	Auto/Manual
Focus	Fixed focus
Exposure	Auto/Manual
BLC	On/Off
SNR	≥50dB

USB Feature	
Operation Systems	Windows 7 (1080p or lower), Windows 8.1, Windows 10; macOS 10.10 or higher; Android; Linux (UVC support)
Video Compression Format	MJPEG, H264, YUY2, NV12
USB Audio	Supported
USB Communication Protocol	UVC, UAC
PTZ Control	Supported ePTZ
Hardware Requirement	2.4 GHz Intel@ Core 2 Duo or higher, 2GB or higher, USB 3.0 port (USB 3.0 for 4K)

Other Parameter	
Input Voltage	5V
Input Current	1A (max)
Power Consumption	5W (max)
Stored Temperature	-10℃~+60℃
Stored Humidity	20%~90%
Working Temperature	-10℃~+50℃
Working Humidity	20%~80%
Dimension	7.09 × 1.6 × 4.82 inches
Weight	~ 0.66 lb
Working Environment	Indoor

9.Menu Key: Press to enter/exit the On Screen Display (OSD) menu or return to the previous menu.

10.Key Combination

Note: When pressing key combinations for any of the commands below, please perform them in sequence. As an example, **【*】>【#】>【3】** would mean you press **【*】** first, then press **【#】**, then press **【3】**.

【#】>【#】>【#】 : Remove all preset settings.

【*】>【#】>【6】 : Restore factory defaults.

【*】>【#】>【9】: Flip the image vertically.

【*】>【#】>【4】: Set the OSD menu language to English.

3.2 Applications

1)Camera Selection



These buttons do not currently have any necessary function. Can be used to set the webcam to a different channel, but as of now this function is not supported.

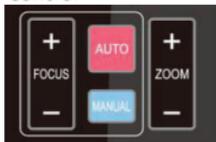
2)Pan/Tilt Control



Up: Press ▲ Down: Press ▼
Left: Press ◀ Right: Press ▶
Back to Default: Press **【HOME】**

Press and hold the up/down/left/right key to adjust the pan/tilt movement faster; stop as soon as the key is released.

3)Zoom Control



ZOOM +: Press **【ZOOM +】** key to zoom in
ZOOM -: Press **【ZOOM -】** key to zoom out
Press and hold the keys to adjust zoom in/out faster.

4)Set and Clear Presets



Save Preset: Press 【SET PRESET】 button, and then press the number key 0-9 to set preset positions.

Note: 10 presets via remote control.

Call Preset: Press a number key 0-9 directly to call a preset position.

Note: The number keys will serve no function until a preset has been programmed.

Clear Preset: Press 【CLEAR PRESET】 button, and then press the number key 0-9 to clear preset positions.

Note: Press the # button three times in quick succession to clear all presets.

5)Focus Control



Designed for autofocus webcam to adjust the focus. N970P is a fixed focus webcam, so these buttons have no function.

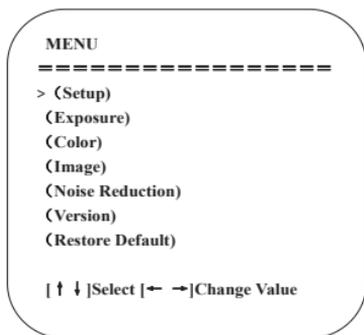
6)Camera Remote Control Address Setting



These buttons do not currently have any function.

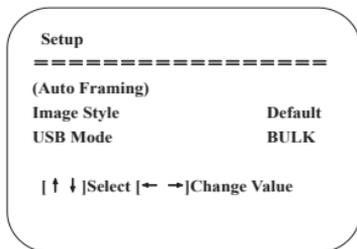
3.3 Main Menu

Press **MENU** to display the OSD menu. Use the arrows on your remote to navigate the menu. Your selection will be displayed with an ">" arrow. Use the **HOME** button to select the highlighted item.



1. System Setting

Move the pointer to the (Setup) in the Main menu, click the **HOME** key and enter into the (Setup menu) as shown below:



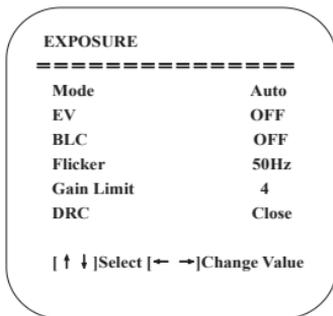
Auto Framing: Enable/disable the auto framing feature. You can also adjust the auto framing sensitivity.

Image Style: Switch to Default, Normal, Clarity, Bright, and Soft modes.

USB Mode: Switch to BULK, and ISOC modes.

2.Exposure Setting

Move the pointer to (EXPOSURE) in the Main menu, click the **【HOME】** and enter the (EXPOSURE menu) as shown below:



Mode: Switch to Auto, Manual, SAE and Bright modes.

EV: Toggle to On/Off (only available in Auto mode).

BLC: Toggle to On/Off (only available in Auto mode).

Flicker: Switch to Off/50Hz/60Hz for (only available in Auto/Manual/SAE modes).

Gain Limit: Adjust from 0~15(only available in Auto/Bright modes).

DRC: Adjust the Dynamic Range Control between 1-8 or disable it (only available in Auto/Bright mode).

Shutter: Switch to 1/30, 1/50, 1/60, 1/90, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/1000, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000 (only available in Manual/SAE mode).

Again: Switch to 0-15 for (only available in Manual/SAE modes).

Bright: Switch the brightness from 0-23 (only available in Bright mode).

3.Color

Move the pointer to the (COLOR) in the Main menu, click the **【HOME】** and enter the (COLOR menu) as shown below:

COLOR	
=====	
WB Mode	Auto
RG Turning	0
BG Turning	0
Saturation	36
Hue	4
AWB Sensitivity	High
↑ ↓ Select ← → Change Value	

WB Mode: Switches to Auto, Manual, OnePush, VAR modes.

RG Tuning: Adjust from -10~10 (only available when in Auto/Manual mode).

BG Tuning: Adjust from -10~10 (only available when in Auto/Manual mode).

Saturation: Adjust from 0~50.

Hue: Adjust from 0~8.

AWB Sensitivity: Switch among High, Middle, and Low (only available when in Auto mode).

Color Temp: Switch from 2400K~7100K (only available when in VAR mode).

4. Image

Move the pointer to the (IMAGE) in the Main menu, click the **【HOME】** and enter into the (IMAGE menu) as shown below:

IMAGE	
=====	
Brightness	50
Contrast	50
Sharpness	5
Flip-H	OFF
Flip-V	OFF
B&W-Mode	Color
Gamma	Default
Low-Light Mode	Close
↑ ↓ Select ← → Change Value	

Brightness: Adjust from 0~100.

Contrast: Adjust from 0~100.

Sharpness: Adjust from 0~15.

Flip-H: Switch to On to flip the image horizontally, switch to Off to restore to normal

Flip-V: Switch to On to flip the image vertically, switch to Off to restore to normal.

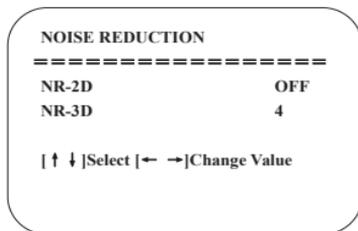
B&W Mode: Switch to Color, Black, White Mode.

Gamma: Switch to Default, 0.34, 0.39, 0.47, 0.5.

Low-Light Mode: Switch to On/Off.

5.Noise Reduction

Move the pointer to the (NOISE REDUCTION) in the Main menu, click the **【HOME】** and enter the (NOISE REDUCTION menu) as shown below:

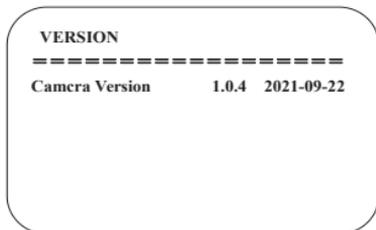


NR-2D: Toggle the 2D Noise Reduction On/Off or adjust it between 1-7.

NR-3D: Toggle the 3D Noise Reduction On/Off or adjust it between 1-8.

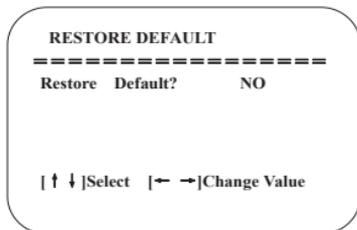
6.Version

Move the pointer to the (VERSION) in the Main menu, click the **【HOME】** and enter the (VERSION menu) as shown below to check the current firmware version.



7.Restore Default

Move the pointer to the (RESTORE DEFAULT) in the Main menu, click the **【HOME】** and enter the (RESTORE DEFAULT menu) as shown below:



Restore Factory Settings: Restore the camera to its default factory settings.

Note: Color style and video format cannot be restored to factory default.

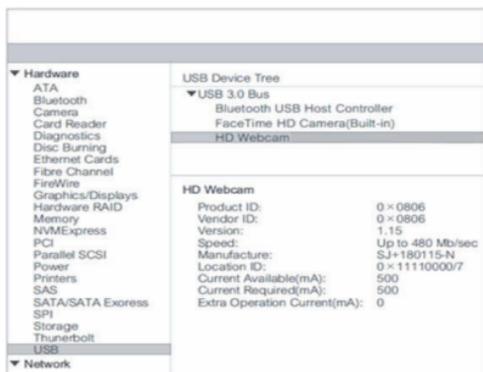
4.FAQ

Q1: How do I know if my camera is being recognized by the system?

A: Connect the camera to any USB 2.0 or USB 3.0 port. It will take a few seconds for the camera to be recognized after it is connected to the system. To ensure the camera has installed correctly on a Windows computer; check under **Control Panel>System and Security>Device Manager**.



To verify the webcam is connected on a Mac computer, click the **Apple Menu** (in the top left corner of your screen) and then click **About this Mac**. Click on **System Report** from the pop-up window that appears. The System Information window for your Mac will appear. Navigate to the **USB** section and check if the webcam is listed as a connected device (like the photo below):



Q2: What can I do if the images or video are an abnormal color? How to adjust image parameters such as brightness or contrast?

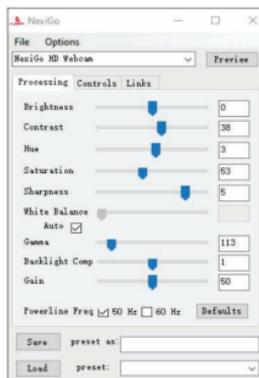
A: Please ensure that the light in your environment is free of unique tones or intense light sources. Things such as walls/floors/other large-area non-standard light sources, including areas with colored or intense light.

In such environments photographed pictures are subjected to color cast due to the lighting impact of these light sources.

For Windows & Mac:

Using the **NexiGo Webcam Settings Software**, you can adjust the image parameter you want according to your needs.

Note: Download the NexiGo Webcam Settings Software from nexigo.com/software.



Q3: Why does my screen go blank or black while trying to preview images?

A: There are several reasons this could happen:

1. There is something wrong with the USB port. Please use a different USB port or another PC and test the camera again.
2. The PC does not recognize the camera device. Please follow the steps from question seven to see if this helps fix the issue.
3. The operating system and computer configuration do not satisfy the requirements of the camera. Please check your system specifications.
4. The video preview feature of the application is not turned on, or the application has a privacy feature that prohibits access to the camera. Please try with a different application.

Q4: How do I use the preset function?

A: Preset Settings:

Step 1. Adjust the camera view to fit your needs. You can zoom in/out using the zoom buttons or pan and tilt the camera using the arrow buttons.

Step 2. Press the Set Preset button. This will cause the camera to enter Preset Setting Mode.

Step 3. Press any Preset Position Number buttons (0 to 9) to save your preset. It will be saved to this slot and will override any previously saved preset. After the setting is completed, a "**Set preset: #**" will be shown in the upper left hand corner of the image with the number of the preset that was selected. Example: Set preset: 1.

Remove Preset Settings:

Step 1. Press the Clear Preset button. This will cause the camera to enter Remove Preset Setting Mode.

Step 2. Press any Preset Position Number buttons (0 to 9) to clear the settings saved in the corresponding button. After this is done, the message "**Clean preset: #**" will be shown in the upper left hand corner of the image to indicate that the preset has been removed.



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