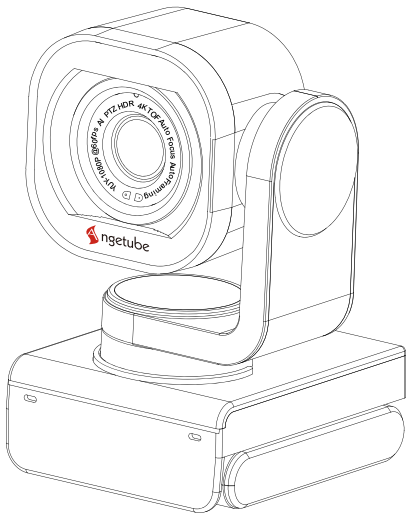




TrackCam



Quick Start Guide

Contact Information

Register to get EXTRA 1 YEAR warranty. Only valid in registering within 14 days of product delivery.

Website: www.angetube.com

E-mail: support@angetube.com



Facebook:

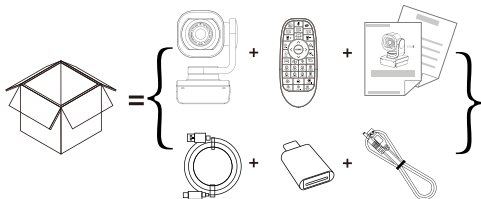
<https://www.facebook.com/profile.php?id=100066756854918>



Download:

Scan the QR code or visit our link to download the latest manual here.

Package Contents:



Thank you very much for purchasing our webcam. Please use this guide to set up and start using your webcam. This user guide will provide you with most of the information you need for your webcam purchase. If you encounter any issues during the installation of your webcam, please contact your webcam retailer for assistance.

The 871AI Smart Tracking Camera is a dual-axis gimbal intelligent network camera. It connects to the computer via the USB 3.1 Gen 1 port and USB 3.X port, and features plug-and-play, no driver installation required.

⚠ Precautions:

- 1).Operating Voltage: DC5V 1A
- 2).Maximum Operating Current: 900mA
- 3).Storage Temperature: -30°C to 85°C
- 4).Operating Temperature: 0°C to 60°C
- 5).Before use, please ensure that the video app or camera application has been downloaded and installed.
- 6).Safety Warning: Keep batteries out of reach of children to avoid accidental ingestion.

⚠ System Requirements:

Windows 10 (64-bit) or later; macOS 11.0 or later.

⚠ Recommended:

Use YUY-1080P@30fps (connect to a USB 3.X port on the computer) or select 4K resolution for the best performance.

⚠ Recommended Apple Computer Configurations:

- 1).MacBook Pro (2018, 8th generation Intel Core i5 processor or later);
- 2).MacBook Air (2018, 8th generation Intel Core i5 processor or later);
- 3).iMac Retina (2019, 8th generation Intel Core i5 processor or later).

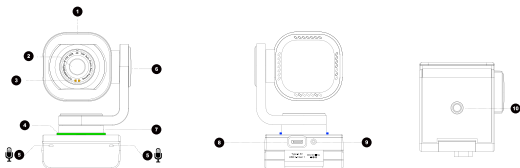
⚠ Recommended Windows PC Configurations:

- 1).CPU: 8th generation Intel Core i5 processor or later
- 2).Memory: 16GB or higher
- 3).Graphics Card: Independent graphics card with 128-bit memory bandwidth

Key Features:

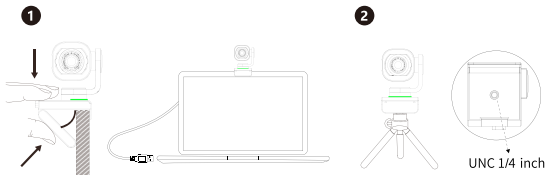
- 1).Ultra HD Video Quality: Supports 4K@30fps (JPEG/H.26X encoding) and 1080p@30fps (YUY lossless compression), delivering unparalleled high-definition video.
- 2).High-Speed Video Transmission: Supports HRF@60fps (JPEG encoding) for smooth and seamless video playback.
- 3).Far-Field Audio Pickup: Equipped with AI noise reduction technology, supports stereo sound pickup from up to 5 meters, ensuring clearer and more natural audio.
- 4).Smart AI Features: Offers gesture recognition and subject tracking to accurately capture your movements.
- 5).Multi-Scene Modes: Comes with 4 preset modes: Standard Video Mode, Live Streaming Mode, Green Screen Mode, and Entertainment Mode.
- 6).HDR Technology: High Dynamic Range support ensures clearer contrast between light and dark, making images more detailed and vivid.
- 7).Memory Function: Remembers your parameter adjustments, eliminating the need for repeated settings. Easily reset to factory defaults using the remote control or the settings option in the app.

Main Product Configurations:



- ① Gyroscope
- ③ TOF Auto Focus (AF)
- ⑤ AI Noise-Canceling Microphone
- ⑦ Horizontal Brushless Motor
- ⑨ DC 5V-1A Power Port
- ② 4K HD Lens
- ④ Status Indicator Light
- ⑥ Vertical Brushless Motor
- ⑧ Type-C (USB 3.1 Gen 1) Port
- ⑩ UNC 1/4-inch Screw Thread (Imperial)

Installation Instructions:



1).Place on the Monitor:

Figure 1: Open the adjustable base and place the device on the monitor or laptop.

2).Place on the UNC 1/4-inch Screw Camera Stand:

Figure 2: Secure the device onto the adjustable camera stand.

Connecting to the Computer:

The camera is compatible with both Windows and macOS systems. Use the included USB data cable to connect the camera to a USB 3.X port on your computer, and insert the Type-C end of the cable into the camera's Type-C port. Once connected, the camera will automatically power on and perform a self-test. After the self-test is complete, the status indicator light will turn yellow, signaling that you can open installed video conferencing or live streaming applications, such as Zoom, Microsoft Teams, Skype, or Google Meet, and begin using the camera for video streaming.

1.Windows:

- 1).Open **"Settings" > "Privacy" > "Camera"** and enable **"Allow apps to access my camera."**
- 2).Enable the apps that require camera access. After opening the **"Camera"** app, you may need to switch to the Full HD camera.

2.macOS:

- 1).Open **"Apple Menu" > "System Preferences" > "Security & Privacy,"** then select **"Camera"** from the left panel.
- 2).Find the application that needs camera access and check the box next to its name to allow camera usage.

3.Software (Zoom or others):

Open **"Settings" > "Video" > "Camera"** and select this camera.

Important Notes:

1.Heat Generation:

The camera may generate some heat after prolonged use, which is normal.

2.Power Requirements:

To avoid power insufficiency, connect the camera directly to your computer or to a docking station with independent power. We recommend using a DC 5V 1A power cable and a power adapter to provide dedicated power to the camera for optimal performance.

3.Power Adapter:

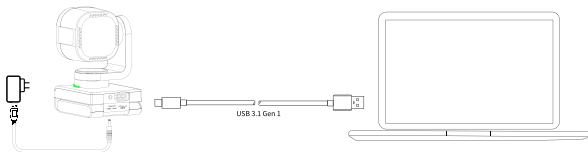
The power adapter is not included. Please purchase one based on your needs.

4.4K Video Streaming:

4K video streaming requires compatible third-party software. Please download and install it as needed.

5.Data Cable and Port:

If you encounter the following issues during use: video lag, stuttering, screen flickering, automatic device reboot, crashes, or AI tracking failure, it may be due to the camera being connected to a USB 2.0 port, using a USB hub or extension cable, or insufficient power supply from the computer's USB port. To ensure proper functionality, please use the included USB 3.1 cable to connect directly to a USB 3.X port on the computer.



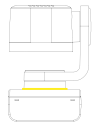
Manual Gimbal Self-Test:

If an issue occurs during the device's self-test, you can manually trigger the camera's self-test by pressing the Gimbal Self-Test button on the remote control. The device will perform the self-test until it returns to normal operation.



Privacy/Sleep Mode:

When the camera's status light is yellow, it indicates that the self-test has completed successfully or the video conferencing app has been closed. At this point, the camera is about to enter sleep mode. Once the video conferencing app is reopened, the status light will turn blue, and the camera will resume operation.



Gesture:

1.Enter Tracking Mode:

As shown in the image, make an "OK" gesture. The status light will blink twice and then remain solid green, indicating that the camera has successfully entered the human (subject) tracking mode.



2.Exit Tracking Mode (Factory Default):

As shown in the image, make a palm gesture. The status light will blink twice and then remain solid blue, indicating that the camera has successfully exited the human (subject) tracking mode.



3.Enter Zoom In Mode:

As shown in the image, make a zoom-in gesture. The status light will blink continuously in blue, indicating that the camera has successfully entered the zoom mode.



4. Enter Zoom Out Mode:

As shown in the image, make a "1" gesture. The status light will blink continuously in blue, indicating that the camera has successfully entered the zoom-out mode.



Status Indicator Description

1	Standby Mode	Yellow light On
2	Non-Tracking Mode	Blue light On
3	Tracking Mode	Green light On
4	Gesture Recognition Success	Blue light flashes twice
5	Zoom Mode	Blue light flashes (continuous flashing)
6	Firmware Update	Green light flashes (0.5 seconds/1 time)
7	Fault	Red light On
8	Privacy Mode	Light Off

Human Tracking Mode:

Make an "OK" gesture. The status light will blink twice and then stay solid green, indicating that the camera has successfully entered human (subject) tracking mode. If another person enters in front of the subject, the camera will automatically switch and track the new target.



Preset 4 Scene Effect Modes:

Press the "WB setting" button on the remote control to switch between the following modes: WB Standard Video Mode, WB Live Streaming Mode, Green Screen Live Streaming Mode, and Entertainment Live Streaming Mode.



1. Standard Video Mode:

Color and brightness are balanced, making it suitable for various scenarios such as family video chats, video conferences, and office settings.



Standard

2. Live Streaming Sales Mode:

Optimizes color and brightness for indoor live streaming sales scenarios. When used with live streaming lighting, it delivers vibrant and true-to-life color effects, making it especially suitable for e-commerce live streaming sales.



Live Streaming

3. Green Screen Live Streaming Mode:

Optimizes color and brightness for green screen keying, suitable for live streaming sales and other scenarios with a green screen background.



Green Screen

4. Entertainment Live Streaming Mode:

Optimizes color and brightness to make the subject brighter and skin tone fairer, ideal for various entertainment scenarios.



Entertainment

Supports Parameter Adjustment Memory:

The camera can remember the adjusted settings. To restore to factory settings, press the "Factory Default" button on the remote control or use the "Restore Defaults" option in the app.



Supports Multi-Camera Remote Control:

Up to 3 camera positions can be set simultaneously. Please refer to the remote control definition guide for detailed instructions.



Remote Control User Guide

Button Description



Represents
Camera Position 1



Represents
Camera Position 2



Represents
Camera Position 3



Represents P1



Represents P2



Represents P3



Represents P4



Represents P5



Represents P6

1. Battery Installation:

Insert two 1.5V AAA batteries, ensuring the correct +/- polarity. When you briefly press Camera Position 1, 2, or 3, the corresponding indicator light will flash red once, confirming the remote is working properly.

2. Factory Default State:

The remote control is unpaired by default. In this state, any Camera Position button (1, 2, or 3) or unpaired remotes of the same model can control multiple cameras.

3. Force Pairing Mode (Set Camera Position):

To use one remote to control multiple cameras (up to 3):

- 1). Assign numbers to the cameras to avoid confusion. Power on one camera and set it to preview mode.
- 2). Press and hold the desired Camera Position button (1, 2, or 3) on the remote for 3 seconds.
- 3). When the "PAIRED" message appears on the computer screen, pairing is successful. The indicator light will flash red once. You can now control the camera using the assigned button.
- 4). To pair additional cameras, turn off the already paired camera and repeat the above steps.

4.Camera Position Lock:

Once a Camera Position button (1, 2, or 3) is successfully paired, the camera will only accept commands from its assigned button.

5.Controlling Paired Cameras:

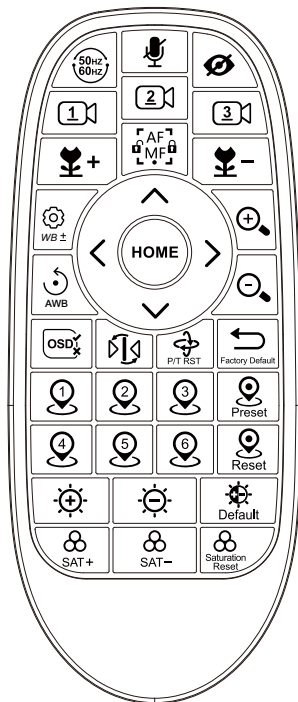
To operate a paired camera:

- 1).Briefly press the paired Camera Position button (1, 2, or 3). The indicator light will flash red once.
- 2).Press any function button to control the camera.

Troubleshooting:

A paired camera only responds to its corresponding Camera Position button. Ensure you select the correct position.

If the camera has been forcibly paired and locked by another remote, re-pair it following Step 3.



No.	Remote Control Button	Function	Operation	OSD Display
1		Power Frequency	Short press: Switch voltage frequency between 50Hz/60Hz	50Hz 60Hz
2		MIC Control	Short press: Turn MIC On/Off	
3		Privacy Cover	Short press: Open/Close electronic privacy cover	
4		Pair Camera 1	Long press (3 sec): Lock control to Camera 1	PAIRED
5		Pair Camera 2	Long press (3 sec): Lock control to Camera 2	PAIRED
6		Pair Camera 3	Long press (3 sec): Lock control to Camera 3	PAIRED
7		Unpair Camera 1	Press "Reset" + Camera 1 (3 sec): Unlock all paired cameras for Position 1	UNPAIRED
8		Unpair Camera 2	Press "Reset" + Camera 2 (3 sec): Unlock all paired cameras for Position 2	UNPAIRED
9		Unpair Camera 3	Press "Reset" + Camera 3 (3 sec): Unlock all paired cameras for Position 3	UNPAIRED
10		AF/MF Mode	Short press: Switch AF (Auto Focus) / MF (Manual Focus) mode	
11		Focus Near	Short press: Adjust focus near step-by-step; Long press: Adjust focus near quickly.	
12		Focus Far	Short press: Adjust focus far step-by-step; Long press: Adjust focus far quickly.	
13		Mode Switching	Long press (2 sec): Switch between 4 modes (Standard, Streaming, Green Screen, Entertainment)	
14		Auto White Balance	Long press (2 sec): Restore default Auto White Balance (AWB)	
15		Zoom In	Short press: Step-by-step zoom in Long press: Fast zoom in	
16		Zoom Out	Short press: Step-by-step zoom out Long press: Fast zoom out	
17		Tilt Up	Short press: Exit tracking mode, move camera up one step Long press: Continuously move up	
18		Tilt Down	Short press: Exit tracking mode, move camera down one step Long press: Continuously move down	
19		Pan Left	Short press: Exit tracking mode, move camera left one step Long press: Continuously move left	
20		Pan Right	Short press: Exit tracking mode, move camera right one step Long press: Continuously move right	
21	HOME	PTZ Reset	Short press: Exit tracking mode, reset gimbal to center position	HOME
22		On-Screen Display Toggle	Short press: Turn the on-screen display menu On/Off	OSD OSD
23		Mirror Image	Short press: Switch between left/right mirror image	
24		Self-Test	Long press (2 sec): Start gimbal self-test Note: If a self-check error occurs during startup, press the button to restart the self-check. Once completed, the PTZ will reset to the center position. If an axis error occurs during use, press the button to perform a self-check. After completion, the PTZ will reset to the center position.	

No.	Remote Control Button	Function	Operation	OSD Display
25	 Factory Default	Factory Reset	Long press (2 sec): Restore factory settings	Factory Default
26		Brightness Up	Short press: Gradually increase brightness. Long press: Continuously increase brightness.	
27		Brightness Down	Short press: Gradually decrease brightness. Long press: Continuously decrease brightness.	
28	 Default	Brightness Reset	Short press: Restore default brightness	 Default
29	 SAT +	Saturation Up	Short press: Gradually increase saturation. Long press: Continuously increase saturation.	 SAT +
30	 SAT -	Saturation Down	Short press: Gradually decrease saturation. Long press: Continuously decrease saturation.	 SAT -
31	 Saturation Reset	Saturation Reset	Short press: Restore default saturation	 Saturation Reset
32	 +  Preset	Set Preset Position	Simultaneously short press "Preset" and "P1" to save the current position as Preset 1. To set other presets, repeat the same operation. Up to 6 preset positions can be set.	
33	 +  Reset	Cancel Preset Position	Simultaneously short press "Reset" and "P1" to clear the settings for Preset 1. The OSD will display "Preset 1 Cleared". Repeat the same operation to clear other preset positions.	
34	     	Recall Preset Position	Short press the preset buttons (P1, P2, P3, P4, P5, P6) to move the camera to the corresponding preset position. If the preset position is not set (e.g., Preset 1 is not configured), the OSD will display a "No Preset" icon.	
35	 Reset	Clear All Presets Position	Press and hold for 3 seconds to clear all preset position settings.	 Reset