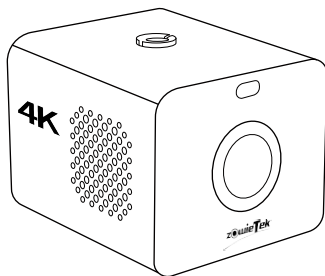




Quick Start Guide

4K POV Zoom Camera



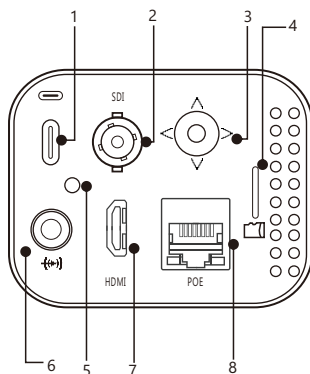
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It is recommended that you read this product's instruction manual carefully before using it. To avoid physical or electrical damage to your personal safety and the equipment, please install and use this product in strict accordance with this manual or the instructions of a professional. Incorrect electrical connections or physical installation may cause permanent damage to the equipment or even threaten your personal safety.

1. Packing List

Item	Unit	Quantity
4K POV Zoom Camera	PCS	1
USB-C Power Adapter	PCS	1
USB-C Cable	PCS	1
Hot Shoe Mount Adapter to 1/4" -20 UNC Thread Hole	PCS	1
Quick Start	PCS	1

2. Device Interface Description

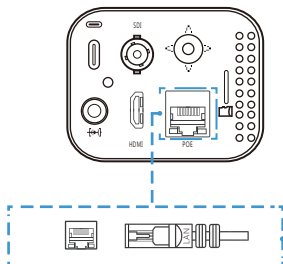


1	USB-C Power Input	5	Power Indicator Light
2	SDI Output	6	3.5mm Audio Inputs
3	4-Direction Center Push Menu Button	7	HDMI output
4	TF Card	8	LAN/PoE+/NDI® HX3

3. Installation and connection

1) Connect Network

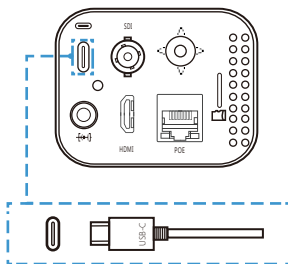
Connect the POVZoom to a network router or with DHCP functionality using an Ethernet cable.



2) Power Connection

Option 1: USB-C Power

After powering the POVZoom with the power adapter, the status indicator light will illuminate.



Option 2: PoE Power

The POVZoom can also be powered through Ethernet (PoE/PoE+), eliminating the need for a power adapter. When using PoE, connect the Ethernet cable to a PoE Network Switch; the cable should be at least a CAT5e ethernet cable.

3) Network Control of the Camera

The POVZoom offers seven convenient and quick methods to access the web-based control interface.

(1) Login to POVZoom via mDNS

Please enter <http://povzoom-xxxxx.local> in your computer or mobile phone browser

4K POV Zoom Camera

Model: POVZoom P/N: 30651-003

Input: USB TYPE C 25W



CZ4123800001

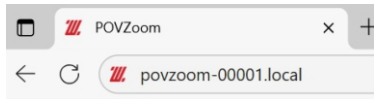
Hotspot(SSID): povzoom-00001 Password: 12345678

Hotspot IP Addr: 170.128.88.1

URL: <http://povzoom-00001.local>

Fail-safe IP Addr: 192.168.5.168

User Name: admin Password: admin

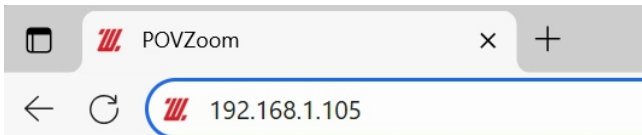


Notes:

The label locates at the bottom of POVZoom, and the URL address can be found in the label. It is best to take a photo of the label and save it so that you can quickly find URL the next time.

(2) IP Address

POVZoom's DHCP is on by default. Please connect the HDMI/SDI output to the monitor, the IP address will be automatically displayed at the upper left corner at anytime after POVZoom is turned on; or press the MENU button to call out the OSD menu instantly to check the IP address. Input the IP address in the browser of mobile phones or computers in the same LAN to login the web control interface.



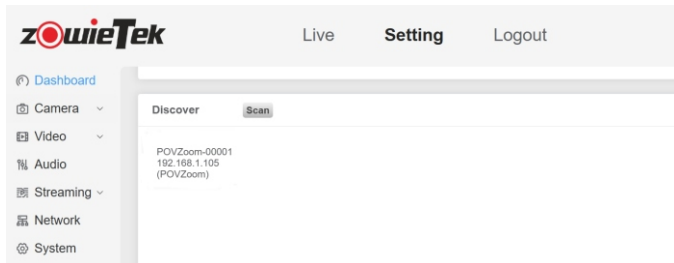
(3) Login POVZoom by Hotspot

You can connect to POVZoom directly without the need of a network cable or WiFi network.

Connect your mobile device to the hotspot of POVZoom, and it is on by default. The initial password and name of the hotspot are on the back of POVZoom. After connecting to the hotspot, enter `http://170.128.88.1` in the browser to log into the web console, when connecting to the hotspot, your cell phone may indicate that there is no network, this is normal, please continue to connect.

(4) Login to POVZoom by Device Discover

If you already have POVZoom, you can also login to the new POVZoom by device discover, log into the web control page, and click "Setting->Dashboard" to use the discovery function. After clicking "Scan", find the serial number of the device that matches with the new POVZoom label and click it to the web control interface of the device.



(5) Fail-Safe IP

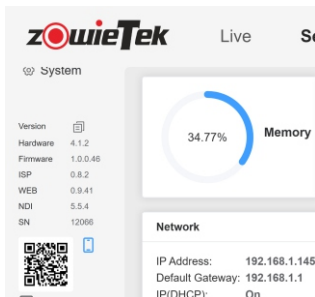
When the connected network does not have DHCP function, when POVZoom is directly connected to the computer via a network cable, or other unknown errors occur, the IP of POVZoom will change to a fail-safe IP (192.168.5.168). To access the web-based control interface, you need to add the 192.168.5.x network segment on your computer.

Notes:

Username: admin; Password: admin

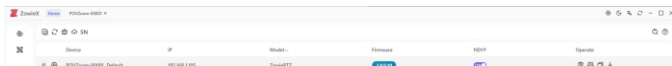
(6) Control From Your Pad or Phone

If users need to use mobile phone to log in the web control interface after logging in the web control interface on the computer side, please make sure that the mobile phone and POVZoom are in the same LAN, and scan the QR code at the bottom left corner of the web page to log in the web control interface.



(6) Login POVZoom by ZowieX

Download and install ZowieX, and you can search for all Zowietek series devices in the same LAN. Users can quickly log into the POVZoom web console, or use ZowieX to manage and upgrade multiple POVZoom.



4. MENU Control of Camera

The POVZoom button is a four directional buttons with a center and four directions: up, down, left, right, and it locates at the back panel.

1) OSD Menu Controls

Press the center button to access or return to the OSD menu. When the OSD menu is active, use the up and down directional button to navigate; use the left and right directional button to enter submenus or adjust numerical values.

2) Standby

Press and hold the button in the center direction for 3 seconds to toggle POVZoom between standby mode and normal operation.

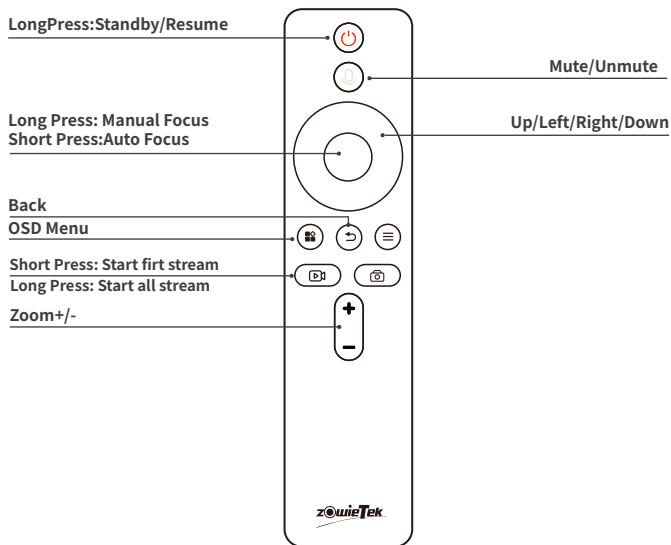
3) Shortcut Buttons

When the OSD menu is inactive, use the up, down, left, and right buttons to modify parameters .

The shortcut buttons are related to the device model, exposure mode and focus mode. The corresponding table is as follows.

Focus Mode	Exposure Mode	Up(+)Down (-)	Left(+)Right(-)
Auto	Auto	Zoom In/Out	EV+/-
	Manual		Shutter+/-
Manual	Auto/One Push	Zoom In/Out	Focus Far/Near

4) Remote Control



When the menu is off, use the up, down, left, and right buttons on the remoter for quick operations

Exposure Mode	Exposure Mode	Up(+)Down(-)	Left(+)Right(-)
Auto	Auto/One push	EV+/-	Switch to Manual Focus
	Manual	EV+/-	Focus Far/Near
Manual	Auto/One push	Shutter+/-	Switch to Manual Focus
	Manual	Shutter+/-	Focus Far/Near
SAE	Auto/One push	Shutter+/-	Switch to Manual Focus
	Manual	Shutter+/-	Focus Far/Near

5. Front Panel Indicator Lights

When the device is powered on, the front panel light will turn yellow as an indicator until it is completed.

After POVZoom completes its startup, the front panel lights will function as Tally lights. When the Tally light is set to automatic mode and the encoding mode is NDI, if the NDI-encoded output is sent to other NDI receivers (such as vMix, OBS, etc.), POVZoom will modify the Tally light color based on whether the receiver switches to Program (PGM) or Preview (PVM) mode.

Color	Description
Red	PGM
Green	PVM

6.Encoding Mode

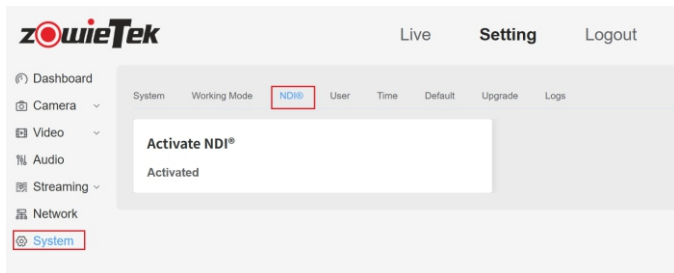
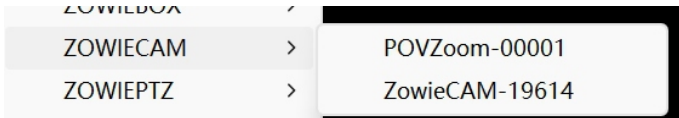
1)Encoding Mode Switching

POVZoom has two working modes, normal encoding mode, and NDI encoding mode. It supports up to 4k30 output and encoding; supports encoding RTSP, RTMP(S), SRT and NDI (HX/HX2/HX3) .

If you want to switch the code stream to NDI encoding mode, please login the web control interface and click

"Setting->System->NDI" to make sure NDI is activated.

After POVZoom is switched to NDI encoding mode, it supports most of NDI software to discover POVZoom automatically in the same LAN, for example, selecting the device you need to play directly in NDI 5Tool.



After logging into the web control interface, click "**Setting->Streaming->NDI**" to open the NDI button and reboot to enable NDI encoding mode.



[Live](#)
[Setting](#)
[Logout](#)

Dashboard

Camera

Video

Audio

Streaming

Local

Live

Record

NDI

Network

System

Version

Hardware

Firmware

ISP

WEB

22.1.1.22

2.0.0.10

0.9.3

4.0.4

NDI

Enable

Quality

Device Name

Group

Multicast

Multicast IP

Subnet Mask

TTL

NDI Discovery

Save

NDI | HX3

POVZoom-00001

Public

239.255.0.0

255.255.0.0

1

NDI Discovery

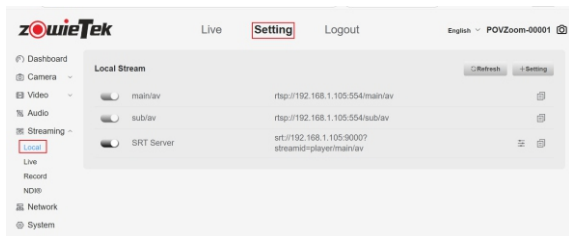
2) NDI Connection
Compatible software:



7. Local Stream

Through local streaming, users can view the consequence of encoding settings in real time on the same LAN by rtsp stream.

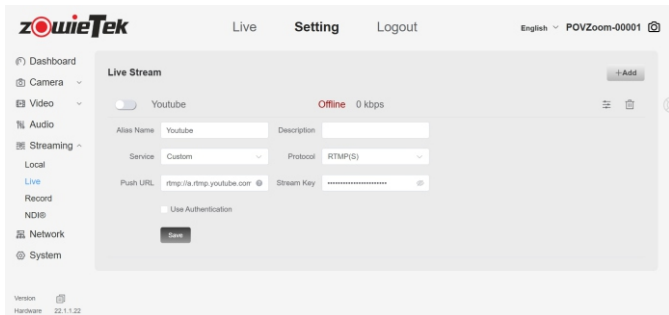
- 1) Click "**Streaming->Local**" in the web control interface.
- 2) Click the icon on the right to copy the URL of the primary or secondary stream.



8. Internet Stream

Add tasks in this interface to streaming to public CDN (Content Delivery Network) .

- 1) Click "**Streaming->Live**" on the web page.
- 2) Click "+Add" to create a new network streaming task.
- 3) Select the same protocol as the streaming address and enter the streaming address and key, if you don't have the streaming key, you can skip it.
- 4) Enter the name of the network flow task and click "**Save**", the name will be displayed in the preview interface for operation.
- 5) Turn on "YouTube" to start pushing stream.



9. Restore Factory Settings and Reboot

1) Restart POVZoom

Click "**System->Default->Restart**" in the web control interface.

2) Restore POVZoom to factory settings:

(1) Click "**System->Default->Restore factory default settings**"

(2) Click the panel button MENU to bring up the OSD and select Restore Factory Settings.

10. Firmware Upgrading

1) Click "**System->Default->Upgrade**" in the web control interface.

2) Click to select the file to upload the correct firmware.

3) Click to upgrade.

Notes:

After clicking Upgrade, POVZoom will be automatically upgraded and reboot. This process will take a few minutes. During this period, please keep the network of POVZoom smooth and stable power supply, otherwise it will lead to upgrade failure.

11. Warranty

We offer your 4K POV Zoom Camera

one-year hardware warranty
Lifetime software maintenance

For answers to **FAQs** and information, please visit:



<https://www.zowietek.com/knowledge-base>



<https://www.zowietek.com/>

Or contact us:



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Since 2004**

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Pudong, Shanghai, China

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