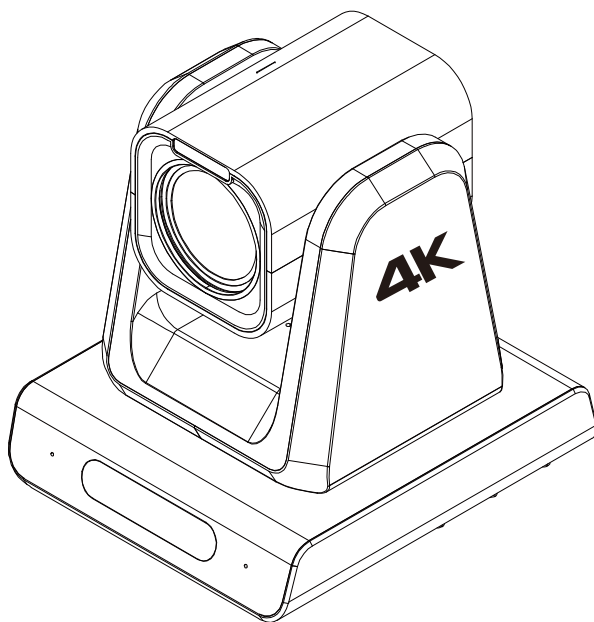# zowieTek

Quick Start Guide

4K PTZ Camera

Instructions for Use

Before operating the unit, please read this manual thoroughly
and retain it for future reference

NDI is a registered trademark of the Vizrt Group

1. Packing list

Item	Unit	Quantity
4K PTZ Camera	PCS	1
Power Adapter	PCS	1
Quick Start Guide	PCS	1
RS232 Cable	PCS	1
Ceiling Mount	PCS	1
Wall Mount	PCS	1
Remote Control	PCS	1

2. Device Interface Description
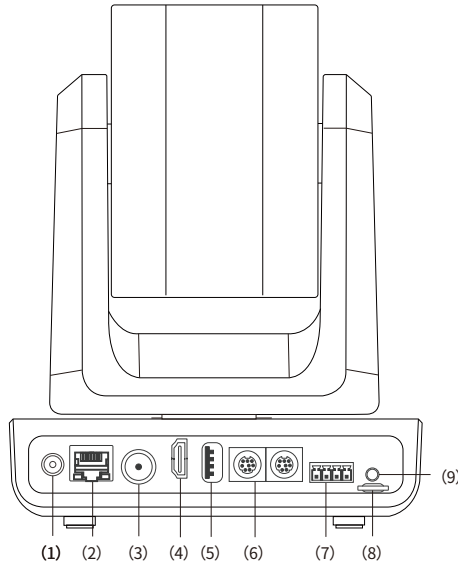
1	DC 12V	6	RS232 Connector
2	LAN/PoE+/ NDI®HX3	7	RS485/422 Connector
3	SDI Output	8	TF Card
4	HDMI Output	9	3.5mm Line In
5	USB Connector		

3. Dimensions

216mm

183.2mm

128.7mm

160.7mm

85.7mm

89.7mm
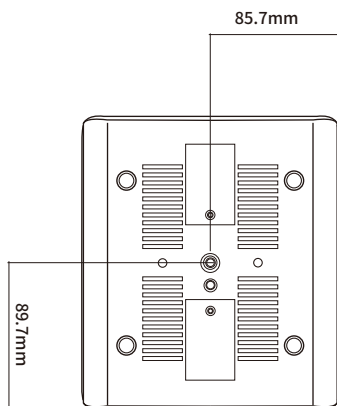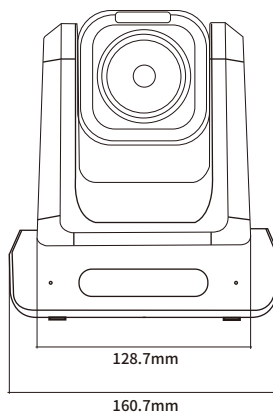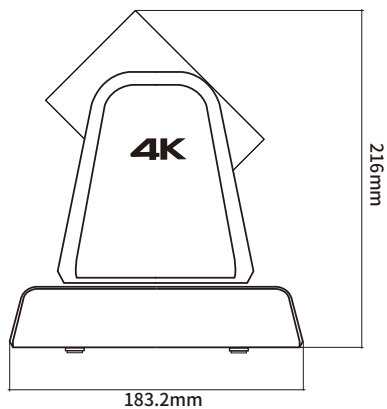
Note:
Please read the label on the bottom carefully and take photos to document before installation.

4. Device Installation and connection

1) Installation
(1) Celling mounting
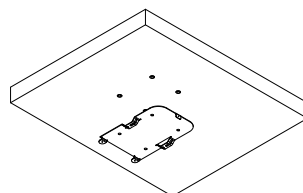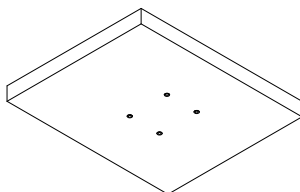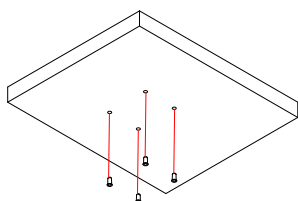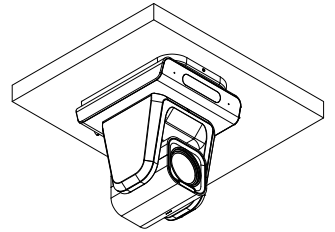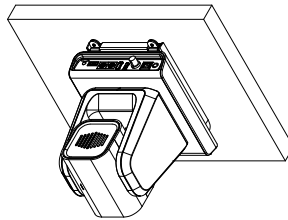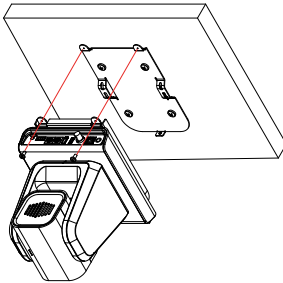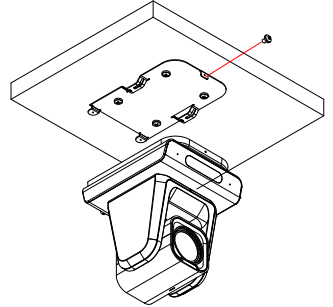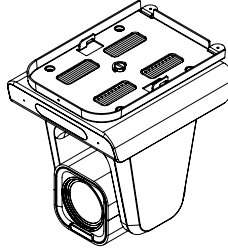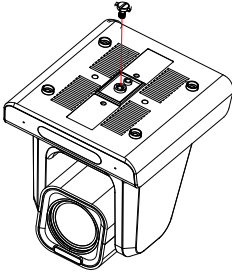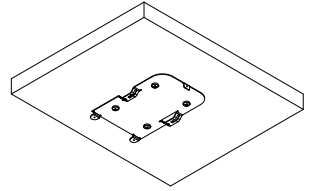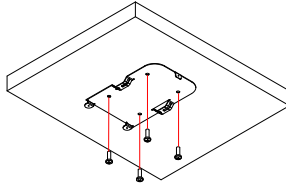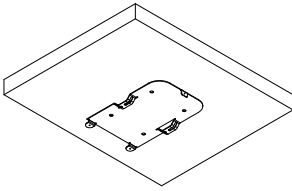
(2) Wall mounting
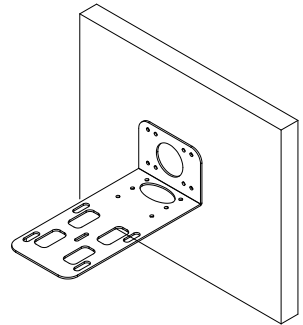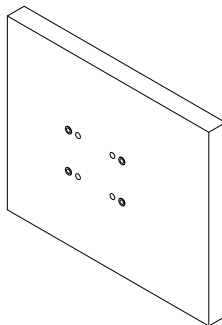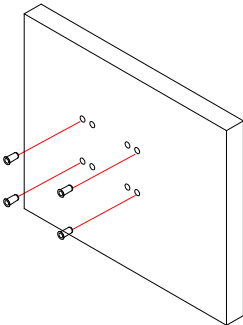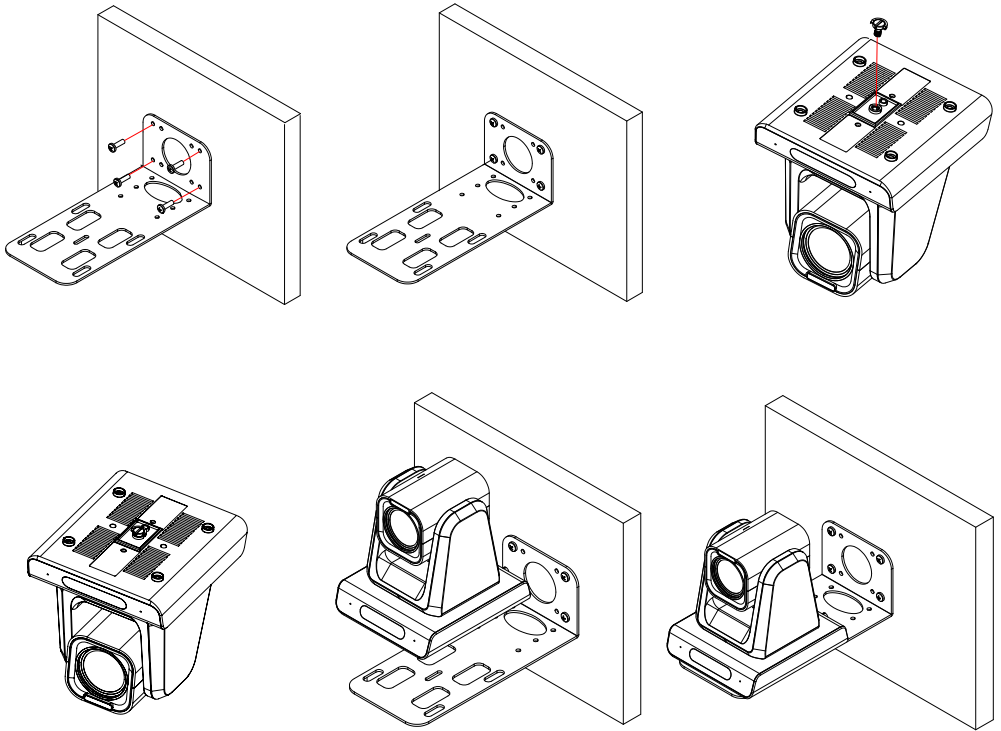
2) System configuration diagram

HDMI Cable

SDI Cable

Vedio Monitor

Lan Cable

Router

iPhone/Pad
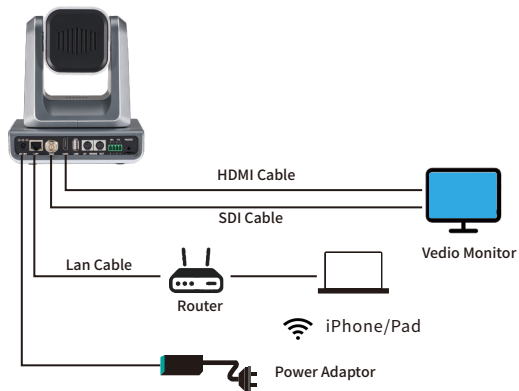
Power Adaptor

3) Connect network

Connect the ZowiePTZ to a network with router or DHCP capability using a network cable.
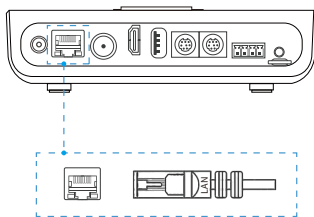
4) Connect power supply

(1) DC

After the DC power adapter supplies power to the ZowiePTZ, the status indicator will light up.
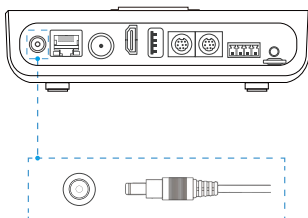
(2) PoE

The ZowiePTZ can also be powered over Ethernet (PoE/PoE+) without a power adapter. If powered by PoE, a network cable must be connected to a PoE network switch with at least CAT5e cable.

5) Login the web console

ZowiePTZ provides five quick ways to login to the web control interface.

(1) Login ZowiePTZ by mDNS

Please enter http://zowieptz-xxxxxx.local in your computer or cell phone browser.

4K PTZ Camera

Model: ZowiePTZ   P/N: 30511-102
Input: DC 12V 2A

Hotspot(SSID): ZowiePTZ-15058   Password: 12345678
Hotspot IP Addr: 170.128.88.1
URL: http://ZowiePTZ-15058.local
Fail-safe IP Addr: 192.168.5.168
User Name: admin   Password: admin

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III ZowiePTZ   ×   +

←   C   *III*   zowieptz-12050.local
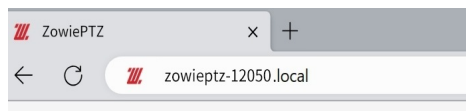
(2) IP Address

The DHCP of ZowiePTZ is on by default. Please connect the HDMI/SDI output to the monitor, the IP address will be automatically displayed in the upper left corner for five seconds after ZowiePTZ is turned on; or click the MENU button on the remote to call up the OSD menu to check the IP address. Enter the IP address in the browser of the cell phone or computer in the same LAN to log in the web control interface.
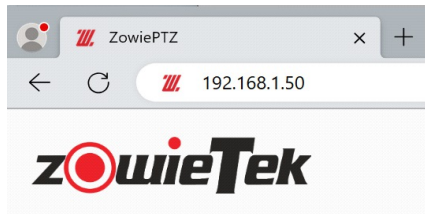
(3) Login ZowiePTZ by Hotspot

You can connect to ZowiePTZ directly without the need of a network cable or WiFi network. Connect your mobile device to the hotspot of ZowiePTZ, and it is on by default. The initial password and name of the hotspot are on the back of ZowiePTZ. After connecting to the hotspot, enter http://170.128.88.1 in the browser to log into the wbe console, when connecting to the hotspot, your cell phone may indicate that there is no network, this is normal, please continue to connect.

ZowiePTZ

4K PTZ Camera
Model: ZowiePTZ   P/N: 30511-102
Input: DC 12V 2A

Hotspot(SSID): ZowiePTZ-15058 Password: 12345678
Hotspot IP Addr: 170.128.88.1
URL: http://ZowiePTZ-15058.local
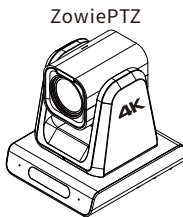Fail-safe IP Addr: 192.168.5.168
User Name: admin   Password: admin

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(4) Login ZowiePTZ by the device discover

If you already have ZowiePTZ or ZowieBox, you can also log in to the new ZowiePTZ by the device discover , logining to the web control page and, click "**Settings->Dashboard**" to use the discovery feature. After clicking "**Scan**", find the serial number of the device that matches the one on the new ZowiePTZ label and click it to the web control of the device.
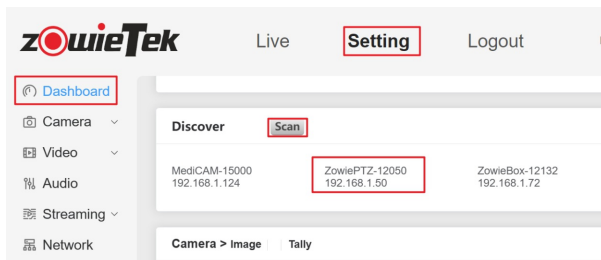
(5) Failsafe IP

When the connected network does not have DHCP function or when ZowiePTZ is directly connected to the computer via a network cable, or other unknown errors occur, the IP of ZowiePTZ will change to a failsafe IP (192.168.5.168). Please add 192.168.5.x network segment to your computer to log in the web control interface. For detailed configuration, please refer to the user manual.

Note:
User name: admin; Password: admin

6) Control device by mobile phone

If users need to use their cell phone to login the web control interface after logining the web control interface on the computer side, there are two ways.

(1) Please make sure your cell phone is in the same LAN as ZowiePTZ, and then scan the first QR code to login the web control interface of cell phone.
(2) Click the hotspot icon and scan the QR code that appears to connect to the hotspot. Then, scan the first QR code to log in the web control interface of your cell phone.
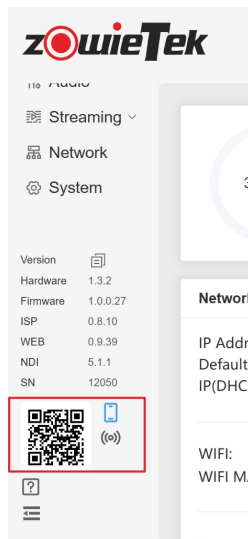
5. Device Operation

1) Tally Indicator

When the ZowiePTZ's Tally light is set in Auto mode and the encoding mode is NDI encoding, if the NDI encoding is outputing to other NDI receivers (e.g. vMix, OBS, etc.)
ZowiePTZ modifies the color of the Tally light according to whether the receiver switches to Program Mode (PGM) or Preview Mode (PVM).

Colors	Meaning
Yellow	Powering ON
Green	PVM
Red	PGM

2)LED

The working status of ZowiePTZ can be obtained according to different colors.

POWER	STATUS	Description
Red	Off	Powering ON
Green	Off	Standby
Yellow	Off	Lens Self-Checking
Green	Green Flash	Short Press the Remote
Green	Green Flashing	Long Press the Remote
Green	Red Flash	Wrong Camera Address
Off	Yellow	Sleeping
Green	Yellow Flashing	Uppgrading
Green	Red	Recoverable Failure
Red	Off	Fatal Failure

3) Remote control

Name	Description
Power	Turn ZowiePTZ On/Standby
P/T Fast/Slow	Set Pan/Tilt Speed
Zoom Fast/Slow	Set Zoom Speed
Focus Far/Near	Focus Far/Near
Auto	Auto Focus
Manual	Manual Focus
Zoom T/W	Zoom Tele/Wide
Reset	Press Preset+Number (0~9) to Set the Preset Position
Preset	Press Reset+Number (0~9) to Clear the Preset Position
∨ ∧ < >	Pan/Tilt the Camera
Home	Move the Camera to Home Position
BLC	Turn on/off Backlight Compensation
Menu	Open and Exit the OSD Menu
Numeric Pad	Move the Camera to Pre-configured Preset Position 0~9
CAM SELECT	Select the Camera Address to Control
Camera Address	*+#+F1~F4:Set the Camera Address
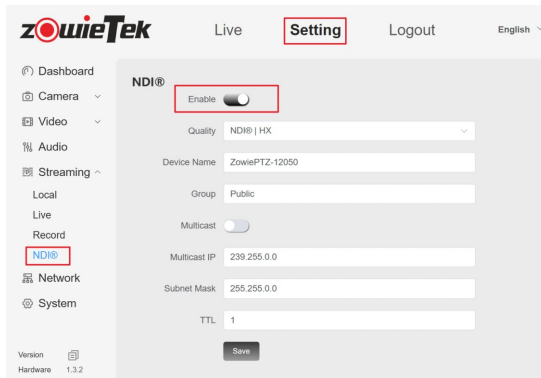
(2) NDI connection
Compatible software:

After ZowiePTZ switches to NDI encoding mode, it supports most of the NDI software to auto-discover ZowiePTZ in the same LAN. e.g. directly select the device you need to play in NDI 5 Tool.


【*】+【#】+【3】：Set the system language to Chinese	
【*】+【#】+【4】：Set the system language to English	
【*】+【#】+【6】：Restore default settings	
【*】+【#】+【9】：Switch image flip mode	
【*】+【#】+【Auto】：Enter/exit aging cruise mode	
【*】+【#】+【Manual】：Restore default username, password and IP	
【#】+【#】+【2】：Switch the output resolution to 4K30	
【#】+【#】+【3】：Switch the output resolution to 4K25	
【#】+【#】+【4】：Switch the output resolution to 1080p60	
【#】+【#】+【5】：Switch the output resolution to 1080p50	
【#】+【#】+【6】：Switch the output resolution to 1080i60	
【#】+【#】+【7】：Switch the output resolution to 1080i50	
【#】+【#】+【8】：Switch the output resolution to 1080p30	
【#】+【#】+【9】：Switch the output resolution to 1080p25	
【#】+【#】+【#】：Clear all presets	

4) Working mode

(1) NDI mode

ZowiePTZ have to two kinds of encoding mode, 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) streams.

To switch to NDI encoding mode, please login to the web control interface and click "**Settings->System->NDI**" to make sure NDI is activated.
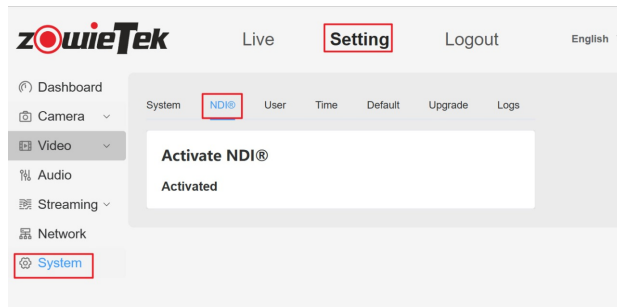

After activation, please login to the web control interface, and click "**Settings->System->NDI**" to click the NDI button and reboot to enable NDI encoding mode.

6. Local Streaming

Through local stream, users can view the effect of encoding settings in real time on the same LAN.

1) Click "**Setting->Local** " in the web control interface.

2) Click the icon on the right to copy the URL of the primary or secondary stream.
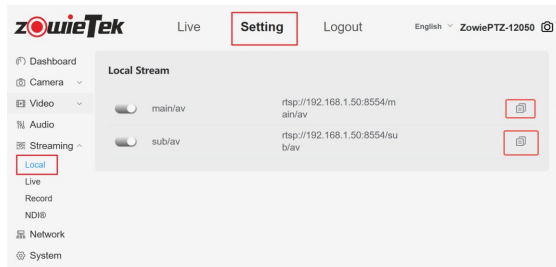
7.Network Streaming

1) Click "**Setting->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 "**Test**" to start pushing stream.
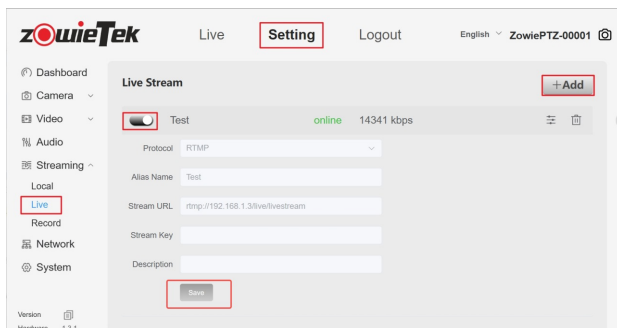
8. Warranty

We offer your PTZ 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:

✉ support@zowietek.com

**A professional
video camera, streaming, recording
solution provider
Since 2004**

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