LEGEND NX

PTZ Camera

Quick Start Guide

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Inside the box

- PTZ Camera
- Drill Pattern
- RJ45 Sealing Cap
- Quick Start Guide

- Installation Screws, Expansion Anchors
- Allen Key
- Power Supply Unit, Energy Cable
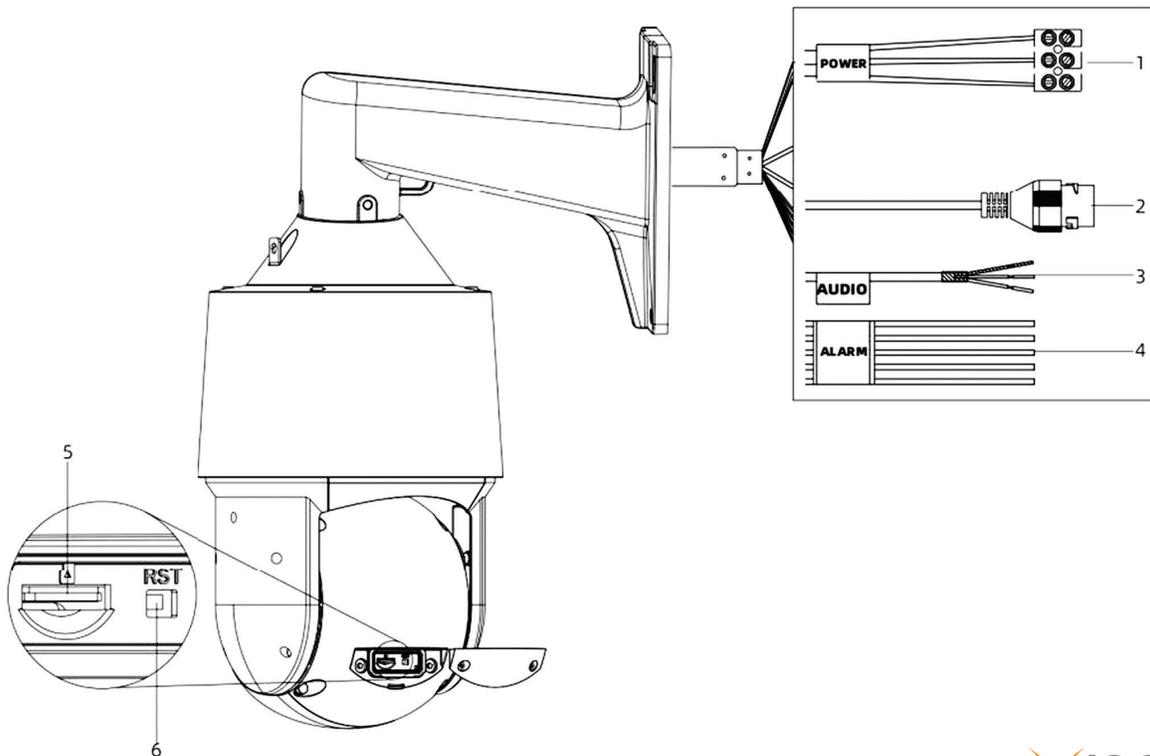- Wall Installation Bracket

Legend NX: PTZ Camera

PTZ (pan-tilt-zoom) cameras deliver excellent video clarity for both wide views and detailed captures. These cameras boast a high IQ, which translates to advanced AI analytics and active deterrence capabilities. Equipped with red and blue light features, they effectively deter intruders while leveraging the latest deep learning algorithms to support intelligent functions.

- Intelligent Tracking
- Lens Zoom, offers detailed close-range visuals
- Focus on precise threat identification by detecting humans/vehicles only, and filter out other moving objects.
- Detects intrusion threats in real time and triggers alerts to users' mobile phones for faster response.

NDAA Compliant

AD Active Deterrence

iQ High AI Intelligence Quotient

1. Hardware Identification
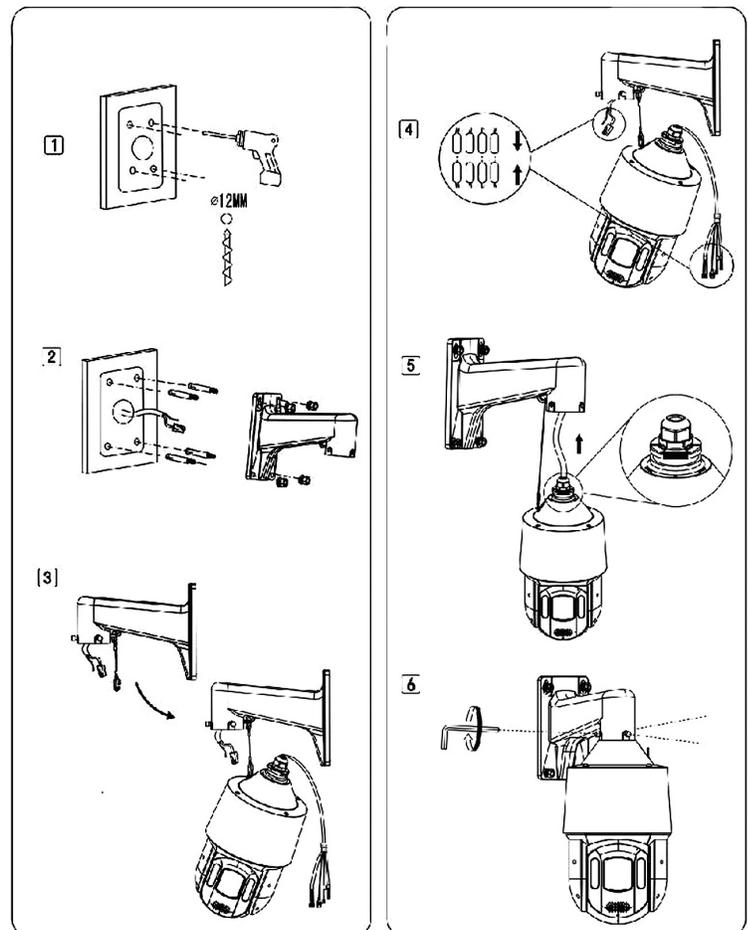
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#	NAME	DETAIL
1	36DCV IN	The red wire represents DC 36V (+), the black wire indicates DC 36V (-), and the yellow and green wire is GND.
2	RJ45	Connects to a standard Ethernet port and provides Power over Ethernet (PoE) functionality.
3	Audio	The red wire is for audio output, the white wire is for audio input, and the black wire is for audio ground (GND)
4	Alarm	The blue wire is for alarm output, the green wire is for alarm COM1, the yellow and green wire is for alarm ground (GND), the red wire is for alarm IN1, and the brown wire is for alarm IN2.
5	SD Card Slot	Designed for connecting an SD card to enable storage.
6	Reset Button	After powering on, press and hold the reset button for 10 seconds. This will reboot the PTZ camera and restore all configurations to their default settings.

[NOTE] This diagram and list are for reference only and may not cover all PTZ camera models.

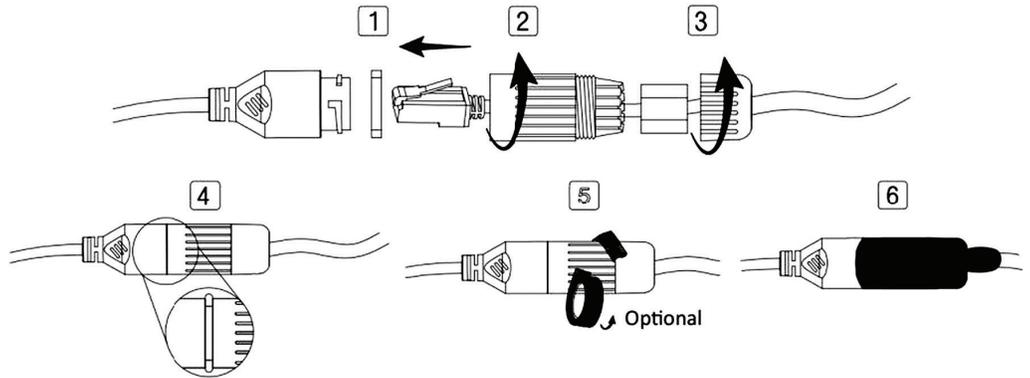## 2. How to Mount the Camera

PTZ Camera Installation Steps:

1. Attach the Drill Template to the wall at the desired installation location for the PTZ camera, then drill the holes as marked on the template.

2. Insert the Expansion Bolts into the drilled holes and secure the bracket to the wall.

3. Connect the Safety Rope to both the bracket and the PTZ camera.

4. Connect the cables. For detailed instructions, refer to Pages 3 & 4.

5. Tuck the camera's tail wire neatly into the bracket.
   [NOTE] Ensure the PTZ camera's flat section does not align with the location of the three screw holes. Rotate the flat section toward the wall if needed.

6. Secure the PTZ camera onto the bracket.

[NOTE] PTZ cameras come in various types, the images provided are for reference only.
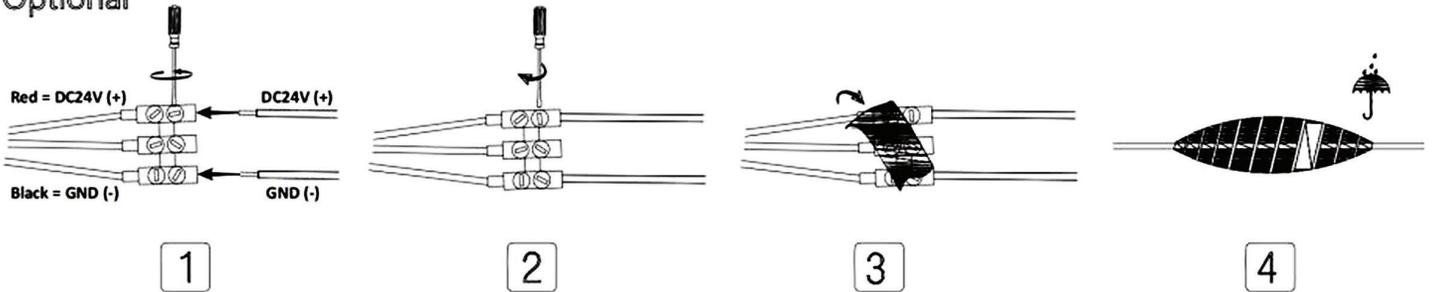
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Setting up Network Cable

1. Attach the seal ring to the copper interface and insert the cable into the Ethernet copper interface.

2. Secure the waterproof bolt by screwing it in.

3. Screw on the waterproof bolt lid.

4. Tighten until the seal ring is pushed outward.

5. **Optional:** Wrap the RJ45 Waterproof Cover with waterproof tape.

6. Complete the installation.

Note: Tighten until the sealing is pushed out

Setting up Power Cable

1. Loosen the screws on the terminal block using a screwdriver and insert the wires into the terminals.

2. Tighten the screws to secure the wires firmly in place.

3. Cover the connection between the wires and terminals with waterproof tape.
   [NOTE] To use the supplied waterproof tape, peel off the white backing paper, stretch the tape to the appropriate width for the wires, and wrap it around the sealing area with 3 to 5 layers using a half-overlapping method.
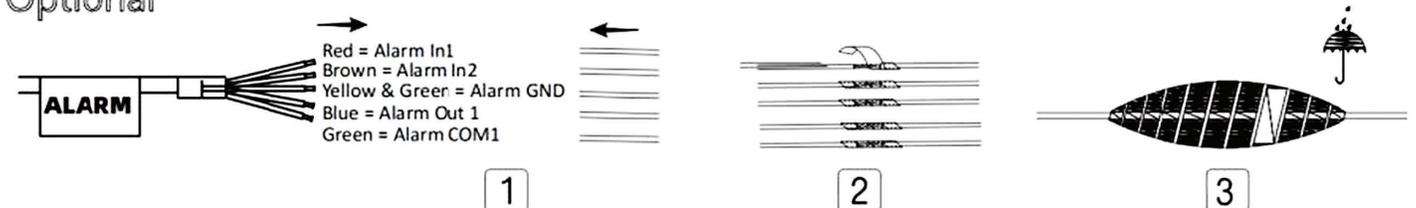
4. Ensure the waterproof wiring is complete.

Optional

Red = DC24V (+)   DC24V (+)

Black = GND (-)   GND (-)

Setting up Alarm Cable

1. Connect the Alarm In and GND terminals of the PTZ camera to infrared countermeasures, switches, or other alarm input devices. Connect the Alarm Out and COM terminals of the PTZ camera to alarm output devices.

2. Cover the connection between the wires and terminals with waterproof tape.

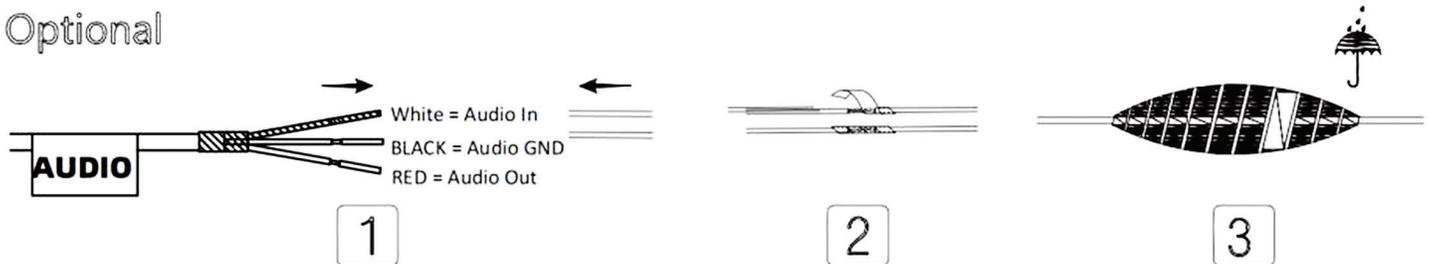3. Ensure the waterproof wiring is properly completed.

Optional

ALARM
Red = Alarm In1
Brown = Alarm In2
Yellow & Green = Alarm GND
Blue = Alarm Out 1
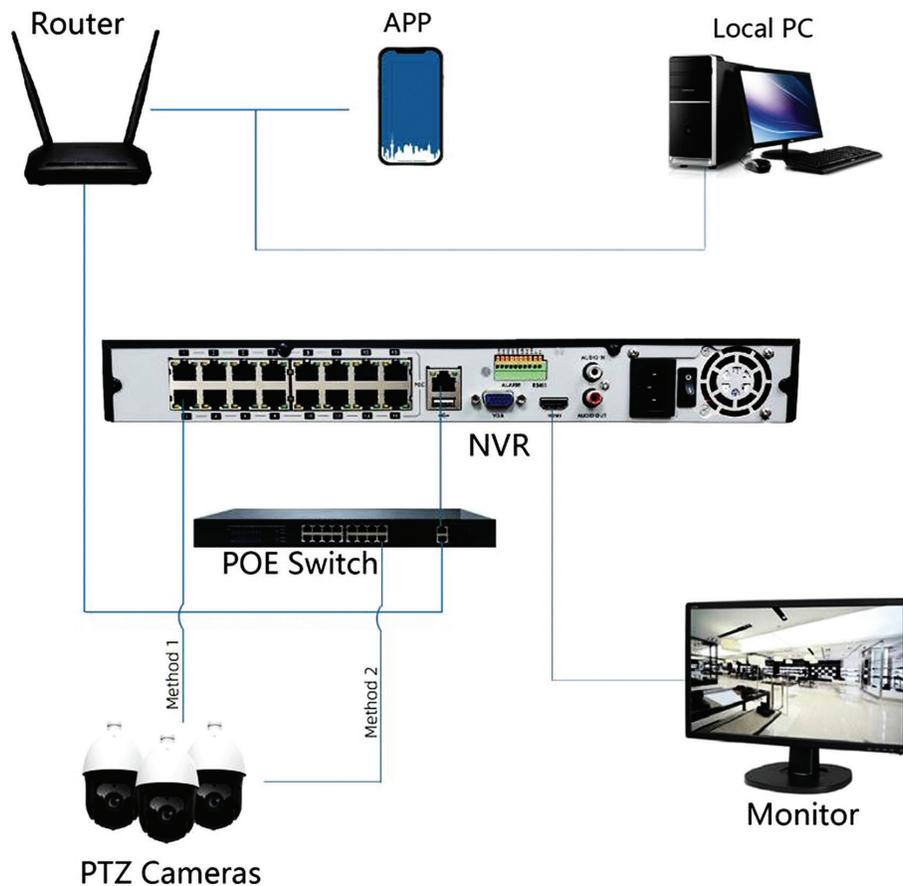Green = Alarm COM1

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Setting up Audio Cable

1. Connect the Alarm In and GND terminals of the PTZ camera to infrared countermeasures, switches, or other alarm input devices. Connect the Alarm Out and COM terminals of the PTZ camera to alarm output devices.

2. Cover the connection between the wires and terminals with waterproof tape.

3. Ensure the waterproof wiring is properly completed.

Optional

White = Audio In
BLACK = Audio GND
RED = Audio Out

AUDIO

1   2   3

3. Setting up a PTZ Camera to NVR or PoE Switch

Connect the PTZ camera to the NVR or the PoE switch.

Router   APP   Local PC

NVR

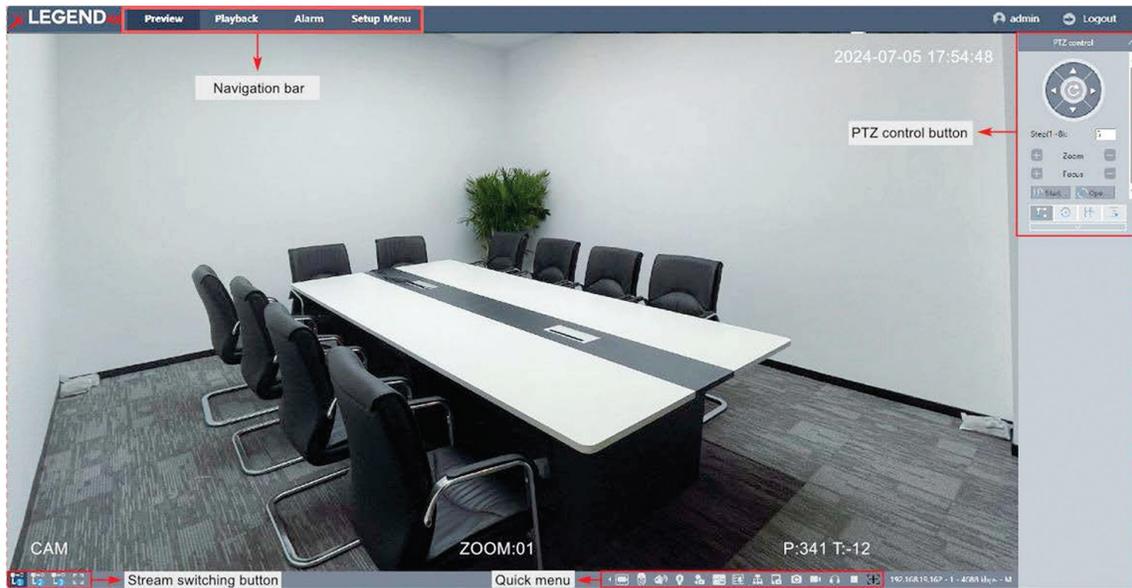POE Switch

Method 1   Method 2

Monitor

PTZ Cameras

[NOTE] The images are for reference purposes only and may not depict the actual PTZ cameras or devices.
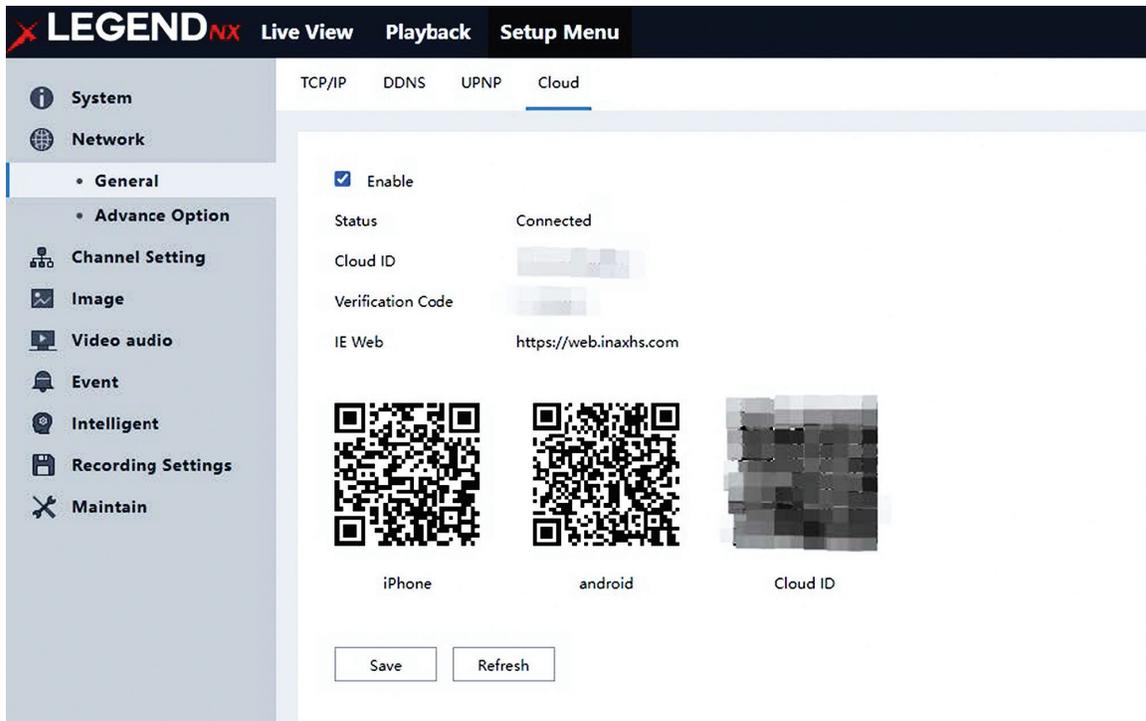**[NOTE]** It is recommended to use individual power supplies for PTZ cameras.

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4. PTZ Camera Login

You can log in successfully to view the video preview.
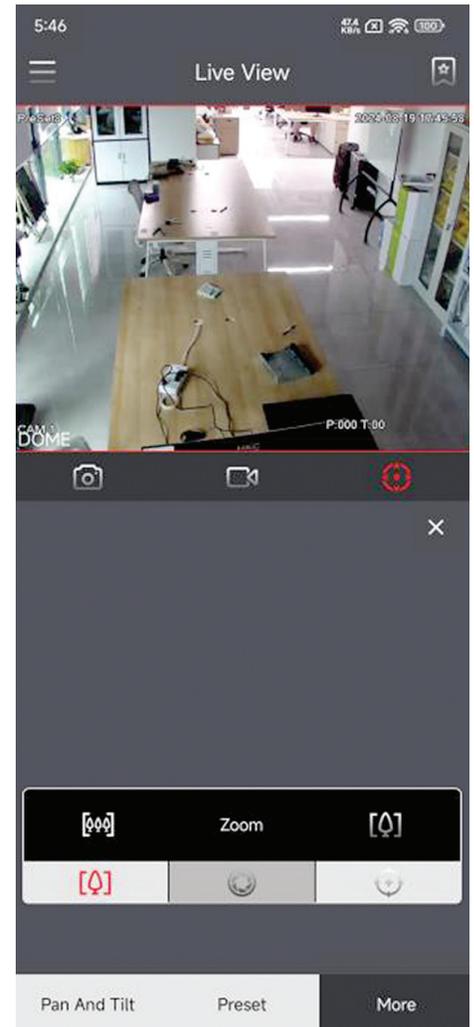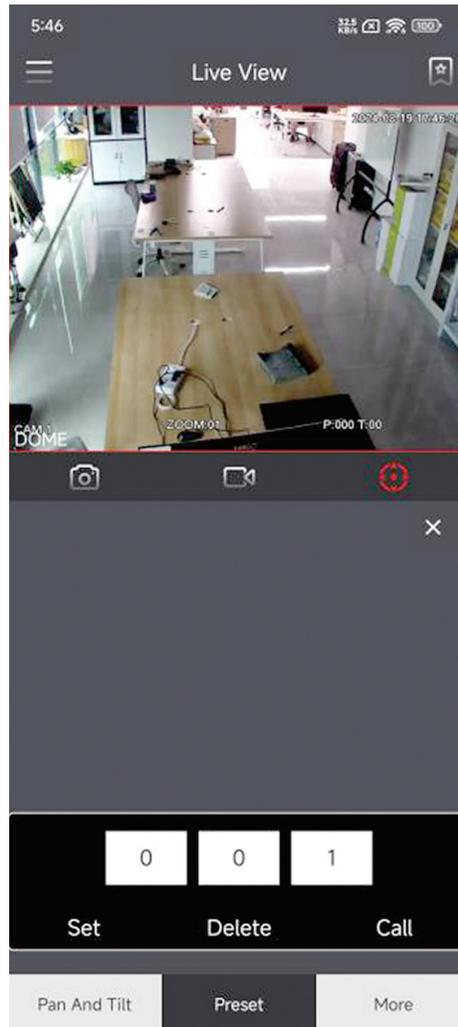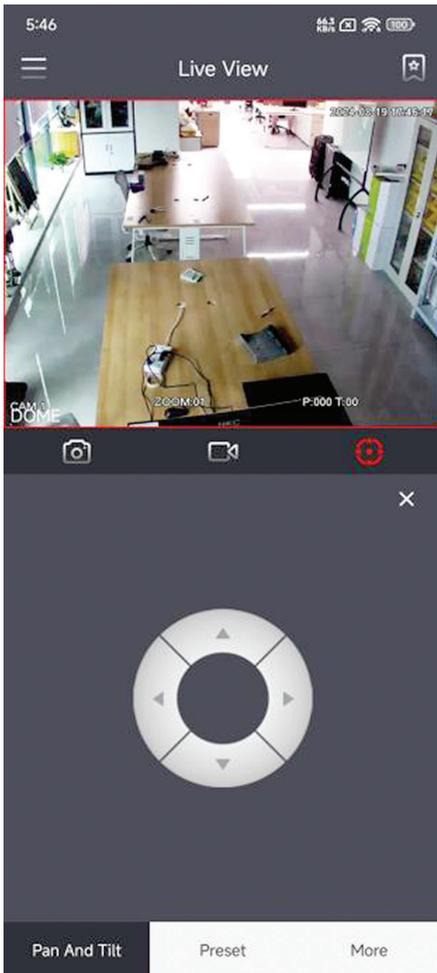

5. Integrate the Camera on the App

1. Access the web interface of the PTZ camera and navigate to Setup Menu → Network → General → Cloud.
2. Scan the QR code to download the app for Android or iOS.

[NOTE] The app is available for installation via the iOS Store or Google Play.

3. Launch the app on your smartphone and log in to your registered account.

4. Tap the icon "+" in the upper-right corner and select Scan QR Code.

5. Grant the app permission to access your phone's camera, then use it to scan the QR code to proceed.

6. Assign a name to the device for easy identification in your list, such as the installation location.

7. Tap Save to finalize, and you can begin the live view.

8. Use the app's shortcut keys to control the PTZ camera, as demonstrated below.

This symbol is meant to notify users of critical operations and maintenance instructions in the product documentation.

This symbol is meant to warn users of exposed 'dangerous voltage' within the product enclosure, which could pose an electric shock risk to untrained individuals.

Warning: RISK OF ELECTRIC SHOCK. DO NOT OPEN

CAUTION SHOCK: To minimize the risk of electric shock, do not remove the cover or rear panel. There are no parts inside that can be serviced by the user. Contact Inaxsys for product assistance.

CAUTION: To avoid electric shocks and reduce the risk of fire, do not use an unspecified power source.

CAUTIONS:

Please be mindful of the camera's operating temperature and environmental conditions. Refrain from using the camera in excessively high or low temperatures. The recommended operating range is -40°C to 60°C (-40°F to 140°F). To prevent damage to the image sensor (CMOS), avoid exposing the camera lens to direct sunlight or other intense light sources.

Avoid placing the camera near radiators or heat sources.

The power supply must meet the camera's specifications. Make sure the output voltage, current, voltage polarity, and operating temperature are within the required range for the camera's power supply.

The use of Ethernet surge protectors is highly recommended to protect against lightning and other causes of electrical surges.