

HXVIEW HXVIEW 4K PTZ Security Camera (30X Optical Zoom)

User Manual

HXVIEW 4K PTZ SECURITY CAMERA

Model: 30X Optical Zoom

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your HXVIEW 4K PTZ Security Camera. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

Product Overview and Features

The HXVIEW 4K PTZ Security Camera is an advanced outdoor surveillance solution designed for comprehensive monitoring. It features high-resolution imaging, extensive zoom capabilities, and intelligent detection functions.

Key Features:

- **4K Ultra HD and 30X Optical Zoom:** Equipped with a 1/2.8-inch IMX415 CMOS sensor and wide-angle lens, this camera captures stunning 4K Ultra HD images. The 30X optical zoom and autofocus lens allow for clear viewing of distant details without compromising image quality.
- **Advanced Night Vision and Motion Tracking:** Super IR lights provide clear color night vision up to 1,000 feet. Auto cruise and human tracking features enable the camera to automatically follow detected motion and adjust its position.
- **Intelligent Detection and Alerts:** Features smart person/vehicle detection and real-time alerts. Users can customize detection areas, sensitivities, and schedules to minimize false alarms.
- **Continuous Recording and Weatherproof Design:** Supports up to 128GB microSD card storage for 24/7 continuous recording without additional cloud fees. The rugged aluminum casing and IP66

waterproof rating ensure reliable performance in various weather conditions.

- **Seamless Connectivity and Control:** Offers 2.4/5GHz dual-band Wi-Fi connectivity and remote viewing via the CamHipro app. The camera feed can be shared with multiple users for comprehensive monitoring.



Figure 1: HXVIEW 4K PTZ Security Camera, showcasing its robust design and dual antenna setup.

4K
Super HD

Pan 355°

Tilt 90°

30x

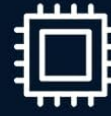
30X
Optical Zoom
Auto Focus Lens

Figure 2: Illustration of 4K Super HD resolution, 30X optical zoom, and the camera's 355° pan and 90° tilt range.

4K 8MP Ultra HD Resolution



Wide-Angle Lens



IMX415 CMOS



Figure 3: Visual comparison demonstrating the clarity of 4K 8MP Ultra HD resolution compared to 5MP, highlighting the IMX415 CMOS sensor.

Setup Guide

1. Unboxing and Initial Inspection:

- Carefully remove all components from the packaging.
- Verify that all listed accessories are present.
- Inspect the camera and accessories for any signs of damage. Do not proceed with installation if damage is found.

2. Choosing an Installation Location:

- Select a location that provides a clear, unobstructed view of the area you wish to monitor.
- Ensure the location is within range of your Wi-Fi network (2.4GHz or 5GHz).
- The camera is IP66 weatherproof, but installing it under an overhang or sheltered area can provide additional protection and extend its lifespan.
- Ensure access to a power outlet for the camera's power adapter.

3. Mounting the Camera:

1. Use the provided mounting template (if included) or mark the drill holes on the wall/surface.
2. Drill pilot holes using an appropriate drill bit for your surface type.
3. Insert wall anchors (if necessary) into the drilled holes.
4. Secure the camera mounting bracket to the surface using the provided screws.
5. Attach the camera securely to the mounting bracket.

4. Powering On and Initial Configuration:

1. Connect the power adapter to the camera and plug it into a power outlet.
2. The camera will power on and perform a self-test, indicated by movement and LED lights.
3. Download the "CamHipro" app from your smartphone's app store (iOS or Android).
4. Open the app and follow the on-screen instructions to add your new camera. This typically involves scanning a QR code on the camera or manually entering its ID.
5. Connect the camera to your Wi-Fi network within the app. Ensure you select the correct 2.4GHz or 5GHz network and enter the password accurately.
6. Once connected, you can view the live feed and adjust initial settings.

Operating Instructions

1. Live View and PTZ Control:

- Open the CamHipro app and select your camera from the device list.
- The live video feed will appear.
- Use the on-screen controls to pan (horizontal movement), tilt (vertical movement), and zoom (optical zoom) the camera.
- Tap to focus or use the autofocus feature.

Auto Cruise & Cover Every Corner



Figure 4: Depiction of the camera's auto cruise function, covering a 360° viewing angle with up to 30 preset guard points.

2. Recording and Storage:

- **MicroSD Card:** Insert a microSD card (up to 128GB, not included) into the designated slot on the camera. The camera will automatically begin 24/7 continuous recording or motion-triggered recording based on your settings.
- **App Recording:** You can manually record video clips directly to your phone via the app during live view.
- **Playback:** Access recorded footage through the app's playback feature, selecting specific dates and times.

3. Motion Detection and Alerts:

- Navigate to the "Detection Settings" or "Alarm Settings" within the CamHipro app.
- Enable Person/Vehicle Detection for intelligent filtering of alerts.
- Adjust sensitivity levels to reduce false alarms.
- Set up detection zones to monitor specific areas of interest.
- Configure push notifications to receive real-time alerts on your smartphone.
- Enable siren and police light functions for deterrence, if desired.

Smart Detection & Automatic Tracking

Automatically track moving people/cars/dogs/cats to keep up to date with their latest developments.



Figure 5: Illustration of the camera's smart detection capabilities, including automatic tracking of people, vehicles, and animals.

Real-Time Alarm & Defense

Alert messages will be sent to your phone in real time, while bright lights and sirens can deter unwanted guests.



APP Push



Siren



Police Lights



Figure 6: Overview of real-time alarm and defense features, including app push notifications, siren, and police lights for deterring intruders.

4. Two-Way Audio:

- During live view, tap the microphone icon in the app to speak through the camera's speaker.
- The camera's built-in microphone will pick up audio from the monitored area.

Maintenance

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Firmware Updates:** Check the CamHipro app regularly for firmware updates. Keeping your camera's

firmware up-to-date ensures optimal performance, security, and access to new features.

- **Power Cycle:** If the camera becomes unresponsive, try power cycling it by unplugging and re-plugging the power adapter.
- **Environmental Protection:** While IP66 rated, extreme weather conditions (e.g., prolonged heavy rain, snow, or direct sunlight) can still impact performance over time. Consider additional physical shielding if installed in highly exposed areas.

Metal Housing & IP66 Waterproof

The camera can work perfectly in severe weather such as heavy rainstorm and sun exposure.



Figure 7: The camera's durable metal housing and IP66 waterproof rating, ensuring reliable operation in severe weather conditions from -14°F to 115°F (-10°C to 50°C).

Troubleshooting

Problem	Possible Cause	Solution
Camera offline/Cannot connect to Wi-Fi	Weak Wi-Fi signal; Incorrect Wi-Fi password; Router issues; Camera too far from router.	Ensure camera is within Wi-Fi range. Verify Wi-Fi password. Restart your router and the camera. Try connecting to a 2.4GHz network if using 5GHz, or vice-versa.
No recording to SD card	SD card full or faulty; Incorrect recording settings; SD card not formatted.	Check SD card status in app. Format the SD card via the app. Ensure continuous recording or motion detection recording is enabled. Replace SD card if faulty.
Frequent false alarms	Motion sensitivity too high; Unwanted detection zones.	Lower motion detection sensitivity in app settings. Define specific detection zones to exclude busy areas (e.g., public roads). Ensure Person/Vehicle Detection is enabled.
Poor image quality at night	IR lights obstructed; Lens dirty; Insufficient ambient light.	Clean the camera lens and IR lights. Ensure no obstructions are blocking the IR lights. Check night vision settings in the app.

Specifications

Feature	Detail
Resolution	4K Ultra HD (8MP)
Image Sensor	1/2.8-inch IMX415 CMOS
Optical Zoom	30X
Pan Range	355°
Tilt Range	90°
Night Vision Range	Up to 1,000 feet (IR lights)
Connectivity	2.4/5GHz Dual-Band Wi-Fi, Wireless

Feature	Detail
Storage	MicroSD card (up to 128GB, not included)
Weatherproof Rating	IP66
Audio	2-Way Audio
Detection	Person/Vehicle Detection, Auto Tracking
Recommended Use	Outdoor Security
Power Source	Wired (Power Adapter)

Warranty and Support

HXVIEW products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official HXVIEW website. In most regions, a standard limited warranty covers manufacturing defects for a specified period from the date of purchase.

For technical support, troubleshooting assistance, or warranty claims, please contact HXVIEW customer service through the following channels:

- **Email:** Refer to your product packaging or the HXVIEW official website for the most current support email address.
- **Online Support:** Visit the HXVIEW support page on their official website for FAQs, guides, and contact forms.
- **App Support:** Some support features may be available directly within the CamHipro app.

When contacting support, please have your product model and purchase information ready to expedite assistance.