

HXVIEW BU-E580

HXVIEW PTZ Outdoor Security Camera User Manual

Model: BU-E580

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HXVIEW PTZ Outdoor Security Camera, Model BU-E580. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

2. PRODUCT OVERVIEW AND FEATURES

The HXVIEW PTZ Outdoor Security Camera is designed for comprehensive outdoor surveillance, offering advanced features for enhanced security.



Figure 2.1: HXVIEW PTZ Outdoor Security Camera. This image shows the camera mounted on a wall bracket, with a smartphone displaying its live feed, highlighting its remote viewing capability.

Key Features:

- **30X Optical Zoom PTZ:** Features a 30x optical zoom and autofocus lens, capable of clearly observing fine details such as faces and license plates.
- **5MP Resolution & 1000FT Night Vision:** Equipped with an IMX335 CMOS sensor, providing 5 megapixels (2560x1920) resolution and up to 1000ft night vision distance with laser infrared light for clear color reproduction and

starlight night vision.

- **Pan 355° & Tilt 90°:** Offers wide area coverage by supporting 355° horizontal pan and 90° vertical tilt movements, minimizing blind spots.
- **Automatic Tracking & Sound and Light Alarm:** Includes professional humanoid detection and motion detection with adjustable sensitivity. The camera automatically tracks detected persons, sends real-time video/snapshots to your mobile, and activates red/blue indicator lights and a sound warning to deter intruders.
- **Remote Access & Two-Way Audio:** Transmits audio/video via Wi-Fi, allowing remote viewing and two-way communication through the free "CamHipro" APP. (Supports 2.4GHZ WiFi only).
- **Multiple Storage Methods:** Supports Micro SD card (MAX 128GB), FTP, local storage, NVR storage, and cloud storage (subscription required). Compatible with CamHipro, CamHi, HiP2P, iSpy, Blue Iris, and Internet Explorer browser.
- **Durable & Weatherproof Design:** Features a steady aluminum case and IP66 waterproof rating, ensuring reliable performance in extreme weather conditions (-14°F to 115°F / -10°C to 50°C).

3. PACKAGE CONTENTS

Please check the package contents upon opening. If any items are missing or damaged, contact customer support.

- HXVIEW PTZ Outdoor Security Camera (Model: BU-E580)
- Power Adapter
- Mounting Screws and Wall Plugs
- Waterproof Kit for Network Cable
- Quick Start Guide

4. SETUP AND INSTALLATION

4.1 Site Selection

Choose a location that provides the desired viewing angle and is within range of your 2.4GHz Wi-Fi network. Ensure the mounting surface is sturdy enough to support the camera's weight.

4.2 Mounting the Camera

1. Drill pilot holes in the chosen mounting surface using the provided mounting template (if applicable).
2. Insert wall plugs into the drilled holes.
3. Align the camera's mounting bracket with the holes and secure it using the provided screws.
4. Attach the camera body to the mounted bracket.

4.3 Power Connection

Connect the power adapter to the camera's power input port and then plug it into a standard electrical outlet. The camera will power on and initiate its self-test sequence.

4.4 Network Connection (Wi-Fi Setup)

1. Download the "CamHipro" app from your smartphone's app store (iOS or Android).
2. Register an account and log in.
3. Tap the "+" icon to add a new device.
4. Follow the on-screen instructions to connect the camera to your 2.4GHz Wi-Fi network. This typically involves

scanning a QR code on the camera or entering network details manually.

5. Once connected, the camera's status indicator will change (refer to app for specific indicator behavior).

Note: This camera only supports 2.4GHz Wi-Fi networks. It is not compatible with 5GHz Wi-Fi.

5. OPERATING THE CAMERA

5.1 Live View and PTZ Control

Open the CamHipro app and select your camera from the device list to access the live view. Use the on-screen controls to pan (horizontal rotation up to 355°) and tilt (vertical rotation up to 90°) the camera. Pinch to zoom in or out using the 30X optical zoom.



Figure 5.1: 30X Optical Zoom Capability. This image illustrates the camera's 30X optical zoom, showing a wide view and a zoomed-in view of a person and dog, demonstrating its ability to capture fine details from a distance.



Figure 5.2: Pan and Tilt Functionality. This image demonstrates the camera's 355° horizontal rotation and 90° vertical rotation, showing how it can cover a wide area and track subjects across multiple preset positions.

5.2 Automatic Tracking and Alarms

The camera features intelligent human detection and motion tracking. When a person is detected, the camera will automatically follow their movement. You can configure alarm settings within the app:

- **Motion Detection:** Set detection zones and sensitivity levels.
- **Humanoid Detection:** Specifically detects human shapes to reduce false alarms.
- **Sound and Light Alarm:** When an intruder is detected, the camera can activate flashing red and blue lights and emit an audible warning.
- **App Notifications:** Receive instant alerts, real-time video, or snapshots on your mobile device.



Figure 5.3: Emergency Strobe Light & Siren Alarm. This image illustrates the camera activating its red and blue strobe lights and siren, along with a mobile app notification, upon detecting an intruder, demonstrating its active deterrence features.

5.3 Two-Way Audio

The built-in microphone and speaker allow for two-way communication. From the live view in the CamHipro app, tap the microphone icon to speak through the camera's speaker, and listen to audio from the camera's vicinity.



Figure 5.4: Two-Way Audio. This image illustrates the two-way audio function, showing a user speaking through the app to a person near the camera, enabling real-time communication.

5.4 Recording and Storage

The camera supports various recording and storage options:

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the designated slot on the camera for local storage of recordings.
- **NVR Storage:** Connect the camera to a compatible Network Video Recorder (NVR) for continuous recording and centralized management.
- **FTP/Local Storage:** Configure FTP settings in the app to upload recordings to an FTP server or save them directly to your local device.
- **Cloud Storage:** Optional cloud storage services are available through the app (may require a subscription fee).

6. MAINTENANCE

6.1 Cleaning the Camera

Regularly clean the camera lens and housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the camera is powered off before cleaning.

6.2 Firmware Updates

Periodically check the CamHipro app for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.

6.3 Weather Protection

The camera is IP66 waterproof and designed for outdoor use. However, ensure all cable connections are properly sealed using the provided waterproof kit to prevent water ingress.



Figure 6.1: IP66 Waterproof and Thunder-proof Design. This image highlights the camera's robust metal housing and IP66 waterproof rating, indicating its resilience against various weather conditions including sun, rain, and snow, and its 4000V thunder-proof capability.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline/Cannot connect to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; 5GHz Wi-Fi network used; Router issues.	Verify Wi-Fi password; Move camera closer to router or use a Wi-Fi extender; Ensure you are connecting to a 2.4GHz network; Restart your router and camera.
Poor image quality/Blurry video	Dirty lens; Insufficient lighting; Network bandwidth issues.	Clean the camera lens; Ensure adequate lighting for optimal performance; Check your internet speed and reduce other network usage.
Motion detection false alarms	Sensitivity too high; Environmental factors (e.g., moving branches, shadows).	Adjust motion detection sensitivity in the app; Define specific detection zones to exclude irrelevant areas.
Two-way audio not working	Microphone/speaker muted in app; Network latency.	Ensure microphone and speaker icons are enabled in the app; Check network connection stability.

8. SPECIFICATIONS

Feature	Detail
Model Name	BU-E580
Brand	HXVIEW
Resolution	5 Megapixels (2560x1920)
Optical Zoom	30X
Pan/Tilt Range	Pan 355°, Tilt 90°
Night Vision Distance	Up to 1000ft (with laser infrared light)
Connectivity	2.4GHz Wi-Fi (IEEE 802.11b/g/n), Powerline
Storage Options	Micro SD (Max 128GB), FTP, NVR, Cloud
Weather Resistance	IP66 Waterproof
Operating Temperature	-14°F to 115°F (-10°C to 50°C)
App Compatibility	CamHipro, CamHi, HiP2P, iSpy, Blue Iris

9. WARRANTY AND SUPPORT

HXVIEW is committed to providing high-quality products and customer satisfaction. For warranty information and technical support, please refer to the contact details provided with your product packaging or visit the official HXVIEW website. If you encounter any problems, please feel free to contact our technical team. We are very happy to help you within 24 hours.

Online Support: [Visit the HXVIEW Store on Amazon](#)

