BOAVISION HX-HD50M28AS

BOAVISION 5MP PTZ WiFi Camera User Manual

Model: HX-HD50M28AS

Product Overview

The BOAVISION 5MP PTZ WiFi Camera is an advanced outdoor wireless IP camera designed for comprehensive surveillance. It features high-definition video, pan-tilt-zoom capabilities, two-way audio, and enhanced night vision for reliable monitoring in various environments.



Image: Front view of the BOAVISION 5MP PTZ WiFi Camera, showing the lens, IR LEDs, and antenna.

Packing List

Please verify that all items listed below are included in your package:

- BOAVISION WiFi PTZ IP Camera
- Network Cable
- Quick Start Manual
- Power Supply

- Screws Bag (for mounting)
- Waterproof Port (for cable connections)
- CD (containing software/drivers)

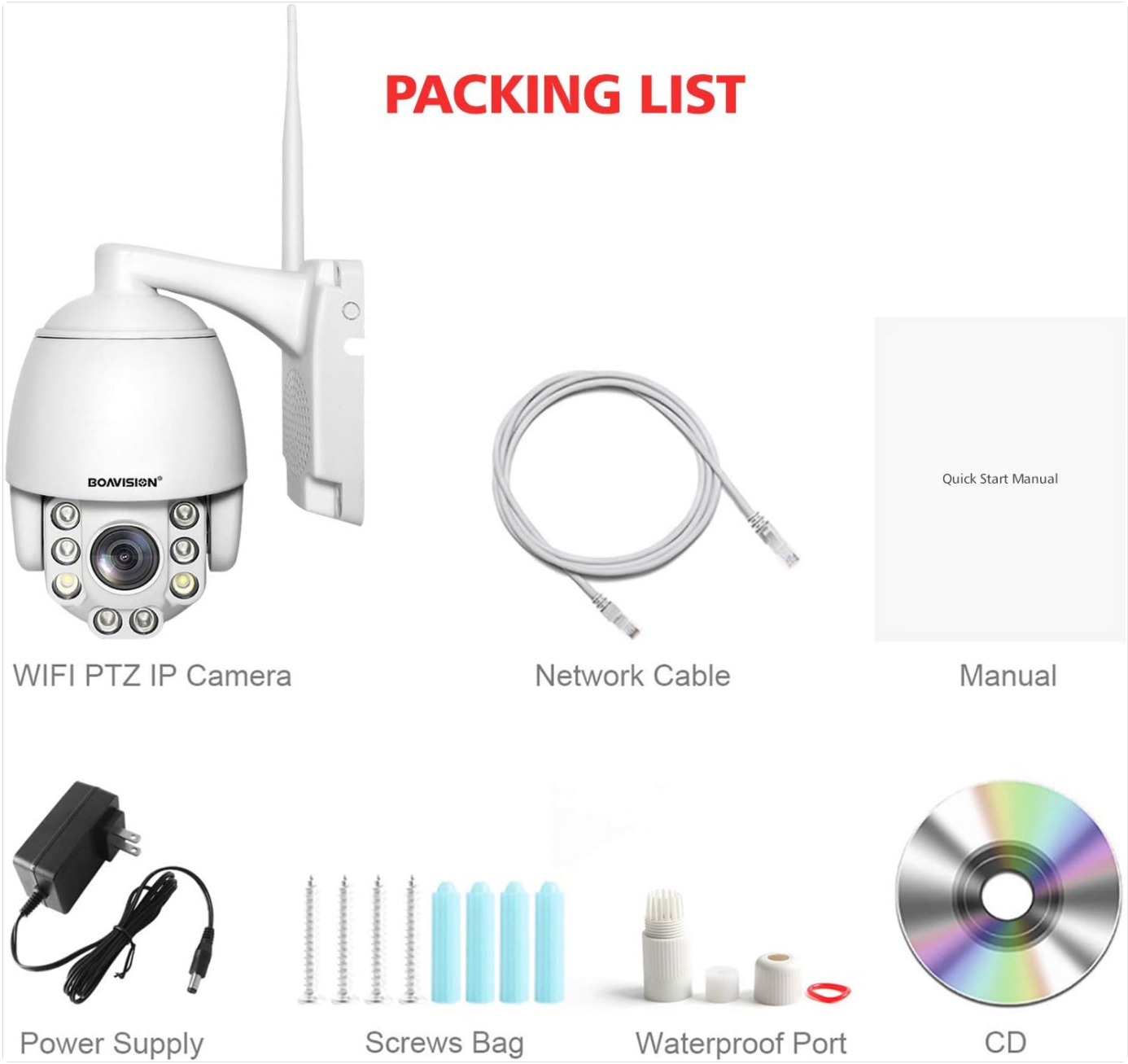


Image: Contents of the BOAVISION camera package, including the camera, cables, power supply, mounting hardware, and manual.

Setup Instructions

1. Physical Installation

1. **Choose a Location:** Select an outdoor location that provides the desired viewing angle and is within range of your 2.4GHz Wi-Fi network. Ensure the power outlet is accessible and protected from elements.
2. **Mount the Camera:** Use the provided screws and mounting template (if applicable) to securely attach the camera to a wall or ceiling.
3. **Connect Power:** Connect the power adapter to the camera and plug it into a power outlet.
4. **Network Connection (Optional Wired):** For a wired connection, connect one end of the network cable to the camera's Ethernet port and the other end to your router. Use the waterproof port cover for outdoor installations.

2. Network Configuration

The camera supports 2.4GHz Wi-Fi. 5GHz Wi-Fi is not supported.

1. **Download the App:** Download the "CamHipro" app from the App Store (iOS) or Google Play (Android). The camera also supports PC viewing (Mac OS, Windows).



Image: Devices showing the CamHipro app interface, illustrating multi-platform compatibility across smartphones, tablets, and PCs.

2. **Register/Login:** Open the app and create an account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID.
4. **Connect to Wi-Fi:** If setting up wirelessly, select your 2.4GHz Wi-Fi network and enter the password when prompted by the app.
5. **Initial Setup:** Complete any remaining setup steps within the app, such as setting a device password and time zone.

Operating Instructions

Pan, Tilt, and Zoom (PTZ) Control

The camera offers a 355-degree horizontal pan rotation and a 90-degree vertical tilt angle, providing extensive coverage. The 5x optical zoom allows for detailed viewing of distant objects.

- **Pan/Tilt:** In the CamHipro app's live view, use the on-screen controls to move the camera horizontally (pan) and vertically (tilt).
- **Optical Zoom:** Use the zoom controls within the app to adjust the 5x optical zoom. This feature allows you to zoom in without compromising image quality.



Image: Diagram illustrating the 355-degree pan and 90-degree tilt rotation of the camera, along with icons representing key features like HD 5MP, Waterproof IP66, TF card slot, Mobile Phone View, CamHipro, Pan Tilt Rotation, Full Color Night Vision, 5X Optical Zoom, Two Way Audio, and Motion Detection.



Image: A street scene demonstrating the 5X optical zoom capability, showing a wide view and a zoomed-in view of a distant car.

Night Vision Modes

The camera features 6pcs Array infrared LEDs and 2pcs white supplement lights, providing up to 196ft of night vision. It supports three night vision modes:

- **Normal Night Vision:** Standard black and white infrared view.
- **Full Color Night Vision:** Utilizes white lights to provide a color image even in low light conditions.
- **Smart Night Vision:** Automatically switches between IR and white light based on detected motion or light conditions.



Image: Three panels demonstrating different night vision modes: Normal Night Vision (black and white), Full Color Night Vision (color with white lights), and Smart Night Vision (color with white lights activated by motion).

Two-Way Audio

The integrated microphone and speaker allow for two-way communication. You can listen to the camera's surroundings and speak through the camera using the CamHipro app.

- **Activate Audio:** In the live view, tap the microphone icon to speak and the speaker icon to listen.



Image: A person at a door interacting with someone via the camera's two-way audio feature, with text bubbles indicating conversation.

Motion Detection and Alerts

Configure motion detection settings within the CamHipro app to receive alerts on your smartphone when motion is detected. You can adjust sensitivity and set detection zones.

Maintenance

- **Lens Cleaning:** Gently wipe the camera lens with a soft, dry cloth to remove dust or smudges. Avoid abrasive cleaners.
- **Firmware Updates:** Regularly check the CamHipro app for available firmware updates to ensure optimal performance and security.
- **Power Supply:** Ensure the power supply is protected from direct exposure to water or extreme weather conditions.
- **Cable Connections:** Periodically check all cable connections for tightness and signs of wear, especially the waterproof port cover for outdoor installations.

Troubleshooting

Problem	Possible Solution
Camera offline/Cannot connect to Wi-Fi	Ensure the camera is powered on. Verify your Wi-Fi network is 2.4GHz. Check Wi-Fi signal strength at the camera's location. Restart your router and the camera. Re-add the camera in the CamHipro app.
Poor image quality	Clean the camera lens. Ensure sufficient lighting for optimal image clarity. Check your internet connection speed. Verify the camera's resolution settings in the app.
Night vision not working	Check night vision settings in the app (Normal, Full Color, Smart). Ensure there are no obstructions blocking the IR or white lights.
Two-way audio issues	Ensure microphone and speaker permissions are granted to the app on your device. Check volume settings on your device and within the app. Verify network stability.

Specifications

Feature	Detail
Model Number	HX-HD50M28AS
Video Capture Resolution	5 MP (2560x1920)
Connectivity Technology	Wireless (Wi-Fi 2.4GHz)
Pan Rotation	355 degrees
Tilt Angle	90 degrees
Optical Zoom	5x (2.7 - 13.5 mm lens)
Night Vision Range	Up to 196 feet (60 meters)
Audio	Two-Way Audio
Storage	Supports Micro SD card (not included)
Power	12 Volts
Dimensions (L x W x H)	6.89 x 4.53 x 4.33 inches
Weight	2.38 pounds
IP Rating	IP67 (Waterproof)
Supported Platforms	iOS, Android, Mac OS, Windows

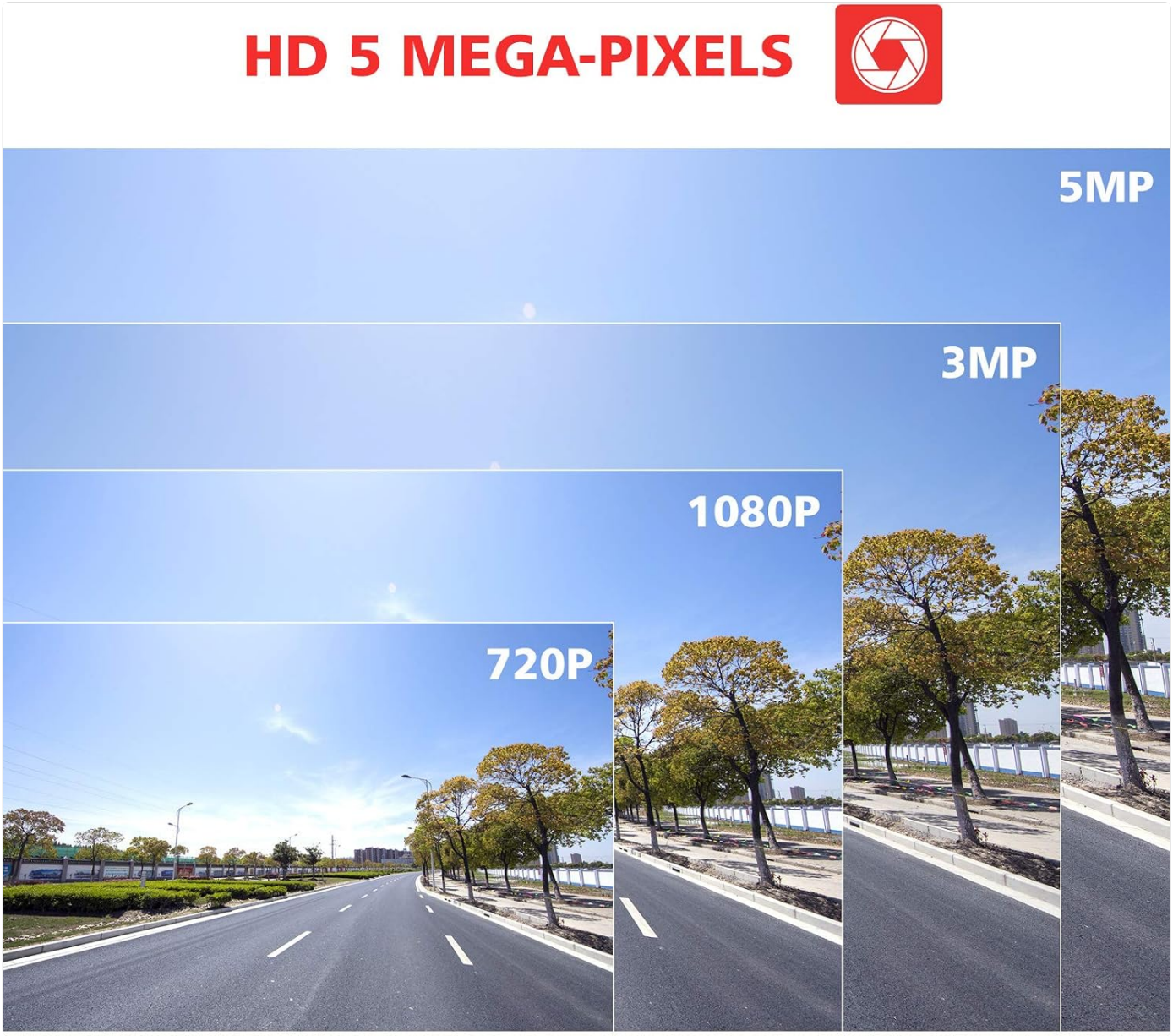


Image: Visual comparison of video resolutions, showing the clarity difference between 720P, 1080P, 3MP, and 5MP.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question