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› Hiseeu 2K 3MP Wireless Pro Outdoor Security Camera TZ-HB312 User Manual

Hiseeu TZ-HB312

Hiseeu 2K 3MP Wireless Pro Outdoor Security Camera TZ-HB312 User Manual

Model: TZ-HB312

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hiseeu 2K 3MP Wireless Pro Outdoor Security Camera (Model TZ-HB312). Please read this manual thoroughly before using the product to ensure proper functionality and safety. This camera is designed for outdoor surveillance, offering high-definition video, motion detection, two-way audio, and compatibility with both 2.4GHz and 5GHz Wi-Fi networks.



Figure 1.1: Hiseeu 2K 3MP Wireless Pro Outdoor Security Camera

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact Hiseeu customer support.

- 1x Hiseeu 2K 3MP Wireless Pro Outdoor Security Camera (Model TZ-HB312)
- 1x Power Adapter (DC12V)
- Mounting Screws and Wall Plugs
- User Manual

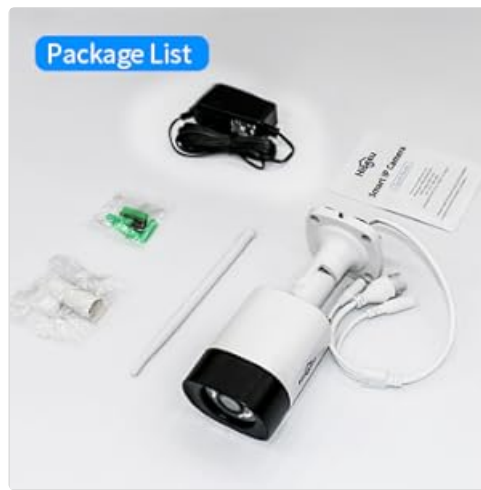


Figure 2.1: Package List

3. PRODUCT OVERVIEW

The Hiseeu TZ-HB312 camera is engineered for robust outdoor surveillance, featuring a durable IP66 waterproof metal shell and advanced imaging capabilities.

Key Features:

- **2K HD Resolution (3MP, 2304*1296):** Provides clear and detailed video footage.
- **Dual-Band Wi-Fi (2.4GHz & 5GHz):** Offers flexible connectivity options for direct router connection.
- **IP66 Waterproof Rating:** Ensures reliable operation in various outdoor weather conditions, from -25°C to 50°C (-13°F to 122°F).
- **Advanced Night Vision:** Supports infrared, full-color, and auto (smart) night vision modes with bright floodlights and 3 array IR-LEDs (850nm) for clear images up to 65ft in darkness.
- **Motion Detection & Humanoid Detection:** Reduces false alarms by distinguishing human shapes.
- **Two-Way Audio:** Built-in microphone and speaker for communication.
- **Multiple Storage Options:** Supports SD card storage and cloud storage (subscription required).
- **System Compatibility:** Can work standalone via Wi-Fi or integrate with Hiseeu wireless NVR systems.
- **Alexa Compatibility:** Supports voice control via Amazon Alexa (requires EseeCloud skill).

See The World In High Definition

3.6mm lens, 3MP full HD resolution



1080P



3MP

Figure 3.1: High Definition 3MP Resolution

Double Signal Enhancement



Minimize Lag



Greater Stability



25% Faster
Transmission Speed

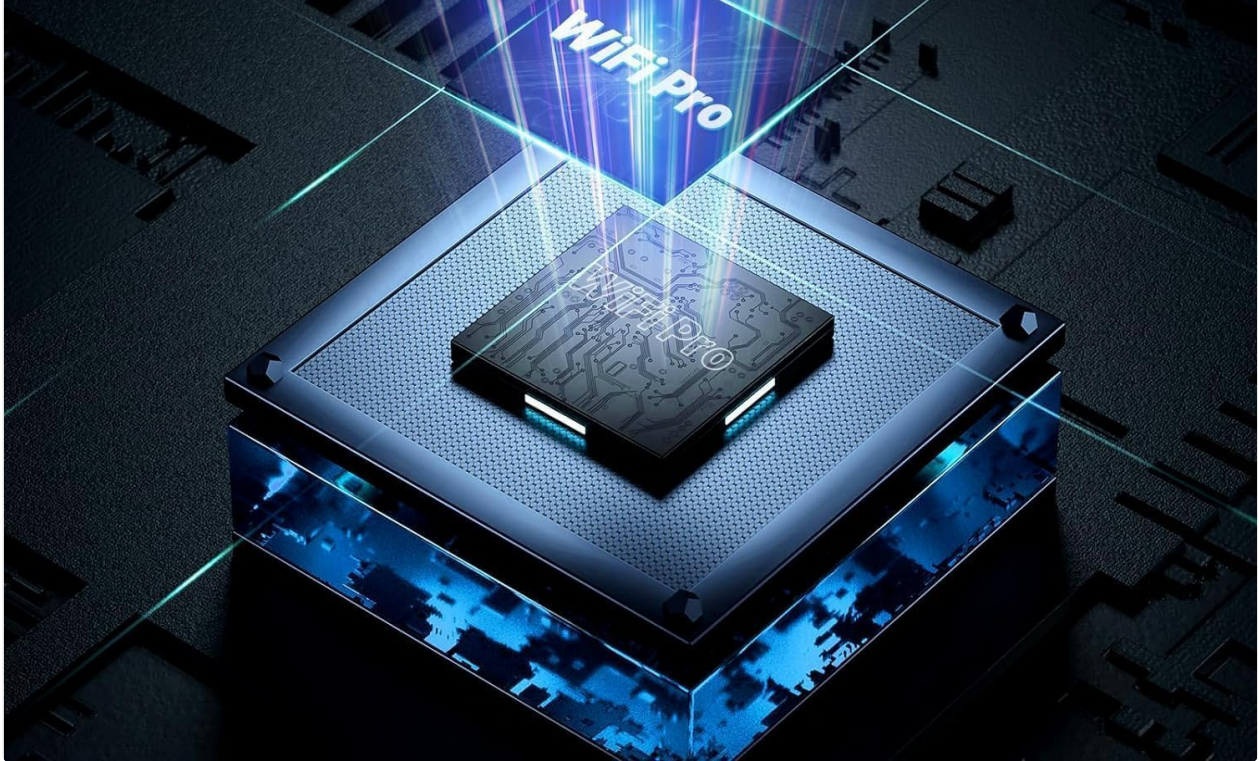


Figure 3.2: Double Signal Enhancement



Figure 3.3: IP66 Waterproof Design

4. SETUP

4.1 Initial Power-Up and App Download

1. Connect the camera to the provided DC12V power adapter and plug it into an electrical outlet.
2. Download the "EseeCloud" app from your smartphone's app store (iOS or Android).
3. Register for an account and log in.

4.2 Connecting to Wi-Fi (Standalone Mode)

This camera supports both 2.4GHz and 5GHz Wi-Fi networks when connected directly to a router.

1. In the EseeCloud app, select "Add device".
2. Scan the QR code located on the camera.
3. Follow the on-screen prompts to add the camera.
4. When prompted, find the camera's hotspot on your phone's Wi-Fi settings and connect to it. The default password is **11111111**.
5. Return to the EseeCloud app, select "Remote review", choose your home Wi-Fi network name, and enter

its password.

6. Confirm the connection to begin remote viewing.



Figure 4.1: 2.4GHz Wi-Fi Connection

4.3 Connecting to Hiseeu Wireless Camera System (NVR)

If you have an existing Hiseeu wireless NVR system, you can add this camera to it. Note that when connected to an NVR, the camera only supports 2.4GHz Wi-Fi.

1. Place the camera close to the NVR and plug it into a power socket.
2. Ensure the camera antenna and NVR Wi-Fi antenna are parallel.
3. Press and hold the camera's reset button for approximately 6-10 seconds until you hear a sound from the camera.
4. On the NVR system, right-click the mouse and select "Wireless Add" or navigate to "Camera" and click "+".
5. Wait for a new IP address (e.g., 172.20.14.xx) to appear.
6. Confirm the connection to view the camera image on the NVR.

Compatible with Hiseeu Wireless Camera System



Figure 4.2: Compatible with Hiseeu Wireless Camera System

5. OPERATING INSTRUCTIONS

5.1 Live View

Once connected, open the EseeCloud app or NVR system to view the live feed from your camera anytime, anywhere.

5.2 Two-Way Audio

The camera features a built-in microphone and speaker for two-way communication.

- **Talk:** Use the EseeCloud app on your phone to speak through the camera's speaker.
- **Listen:** Audio from the camera's microphone can be heard through the EseeCloud app or via an HD TV connected to your NVR system.

Smooth Two-way Audio

Hear and talk with person, who is in surveillance area.



Figure 5.1: Smooth Two-Way Audio

5.3 Motion Detection & Alerts

The camera is equipped with motion detection and advanced humanoid detection to minimize false alarms.

- When motion or a human shape is detected, the camera can trigger a sound alarm and send app notifications to your smartphone.
- Customize detection zones and sensitivity settings within the EseeCloud app to suit your needs.



Figure 5.2: Humanoid/Motion Detection Alarm

5.4 Night Vision Modes

The camera offers versatile night vision capabilities:

- **Infrared Night Vision:** Standard black and white night vision using IR-LEDs.
- **Full-Color Night Vision:** Utilizes built-in floodlights to display color images even in low-light conditions.
- **Auto (Smart) Night Vision:** Automatically switches between infrared and full-color modes based on detected light levels or motion.



Figure 5.3: Full Color Night Vision

5.5 Recording & Storage

The camera supports continuous 24/7 recording and smart playback.

- **SD Card Storage:** Insert a microSD card (not included) into the camera for local storage.
- **Cloud Storage:** Cloud storage is available as a separate subscription service for each camera.
- **NVR Storage:** If connected to a Hiseeu wireless NVR, recordings are stored on the NVR's hard drive.

24/7 Recording, Smart Playback

SD card, Cloud and Hiseeu wireless NVR can save your video

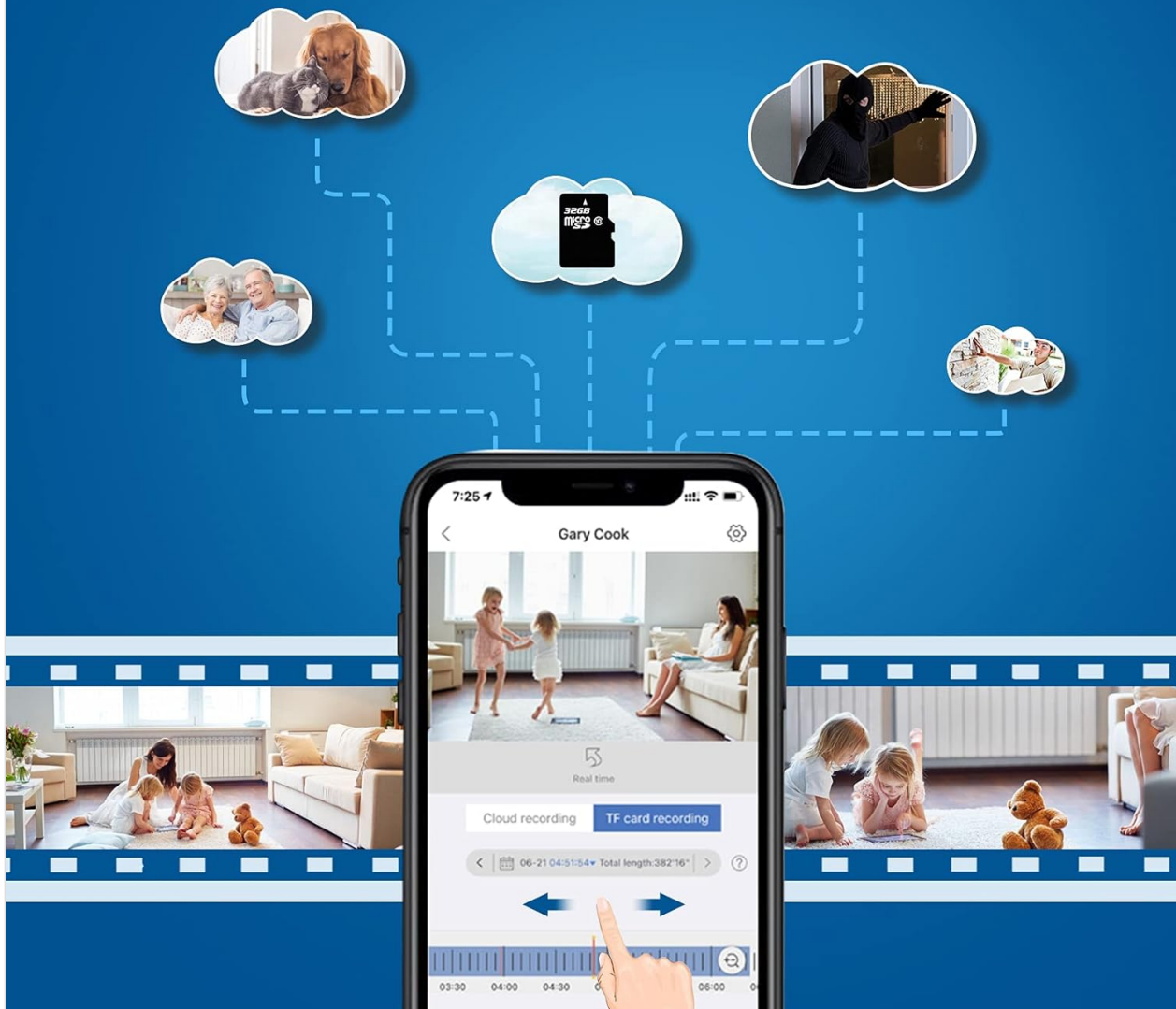


Figure 5.4: Recording and Smart Playback

5.6 Alexa Integration

The Hiseeu TZ-HB312 camera supports Amazon Alexa for voice control and viewing live feeds on compatible devices.

1. Open the Amazon Alexa app.
2. Enable the "EseeCloud" skill.
3. Bind your EseeCloud account with your Alexa account.
4. Discover devices to find your camera.

6. MAINTENANCE

- **Cleaning:** Periodically clean the camera lens with a soft, dry cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the EseeCloud app regularly for firmware updates to ensure optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are free from damage and securely connected.

- **Antenna Position:** Maintain the antenna in an upright position for optimal Wi-Fi signal reception.

7. TROUBLESHOOTING

Q: How to add TZ-HB312 to the Hiseeu wireless camera system?

A: There are two main methods depending on your NVR interface:

1. **Method 1:** Go to the NVR system, right-click the NVR mouse, choose "Wireless Add". Press the camera reset button for about 6 seconds until you hear a sound from the camera. Wait for a new IP address (e.g., 172.20.14.xx) to appear, then exit to see the camera image.
2. **Method 2:** Place the camera close to the NVR and plug it into a socket. Ensure the camera antenna and the NVR Wi-Fi antenna are parallel. Press the reset button for 10 seconds. Right-click the NVR mouse, select "Camera", click "+", then "Continue". When a new camera IP address (e.g., 172.20.14.xx) appears, click "Continue" to complete the connection.

Q: Does TZ-HB312 support Alexa?

A: Yes, it supports Alexa. Go to the Amazon Alexa App, enable the skill "EseeCloud", and bind it with your EseeCloud account. The device should then be discoverable.

Q: Does TZ-HB312 support 5GHz Wi-Fi network?

A: Yes, if you connect directly to a router, it supports both 2.4GHz and 5GHz Wi-Fi. If you connect to an NVR system, it only supports 2.4GHz Wi-Fi.

Q: How to use the camera's two-way audio function?

A: You can talk through the EseeCloud APP on your phone. You can hear audio from the camera via the phone app or by connecting to the system through an HD TV.

Q: Is cloud storage free?

A: Cloud storage is not free, and each camera requires a separate subscription.

8. SPECIFICATIONS

Feature	Specification
Model Name	TZ-HB312
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	3MP (2304*1296), 1296p
Lens	3.6mm fixed lens
Viewing Angle	78 Degrees
Night Vision	Infrared, Full-Color, Auto (Smart) with 3 array IR-LED (850nm)
Connectivity Technology	Wireless (Wi-Fi)
Wireless Communication Technology	Wi-Fi (2.4GHz & 5GHz for standalone, 2.4GHz for NVR)
Power Source	Corded Electric (DC12V)

Feature	Specification
International Protection Rating	IP66
Alert Type	Motion Only (with Humanoid Detection)
Compatible Devices	Smartphone, Hiseeu NVR System, Amazon Alexa
Controller Type	ESEECLOUD App
Mounting Type	Wall Mount
Product Dimensions	9.05 x 4.33 x 3.15 inches
Item Weight	1.32 pounds
Operating Temperature	-25°C to 50°C (-13°F to 122°F)

9. WARRANTY AND SUPPORT

Hiseeu offers lifetime support for its products. If you encounter any issues or have questions regarding your TZ-HB312 camera, please refer to the contact information provided in your product packaging or visit the official Hiseeu website for assistance via email, phone, or online chat.

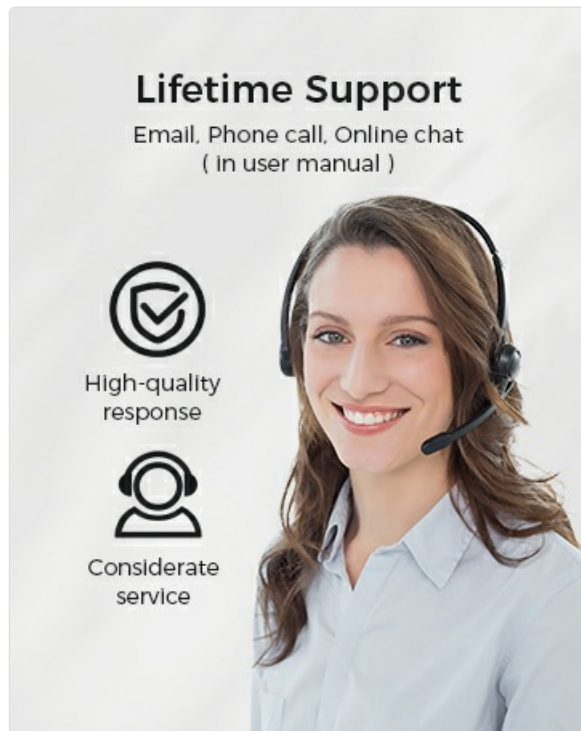


Figure 9.1: Lifetime Support