HUNTVISION E3-E3Z

HUNTVISION E3-Z Security Camera User Manual

Model: E3-Z (E3-E3Z)

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1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your HUNTVISION E3-Z Security Camera. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent damage to the device or injury to yourself:

- Ensure the power source matches the camera's requirements.
- Do not expose the camera to extreme temperatures or direct sunlight for prolonged periods.
- Avoid placing the camera near strong magnetic fields.
- Do not attempt to disassemble or modify the camera. Refer all servicing to qualified personnel.
- Keep the camera and its accessories out of reach of children.
- Ensure proper mounting to prevent the camera from falling.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HUNTVISION E3-Z Security Camera (1)
- Power Adapter (1)
- Data Line (1)
- Auxiliary Package (1)
- User Guide (This manual)

Note: If any items are missing or damaged, please contact customer support.

4. PRODUCT OVERVIEW

The HUNTVISION E3-Z is a 3MP PTZ (Pan-Tilt-Zoom) outdoor security camera designed for comprehensive surveillance. It features AI motion tracking, full-color night vision, and two-way audio communication.

Figure 4.1: Front view of the HUNTVISION E3-Z Security Camera, showing the lens, IR LEDs, and dual antennas.

Figure 4.2: The HUNTVISION E3-Z camera alongside a smartphone displaying the companion mobile application interface, illustrating remote control capabilities.
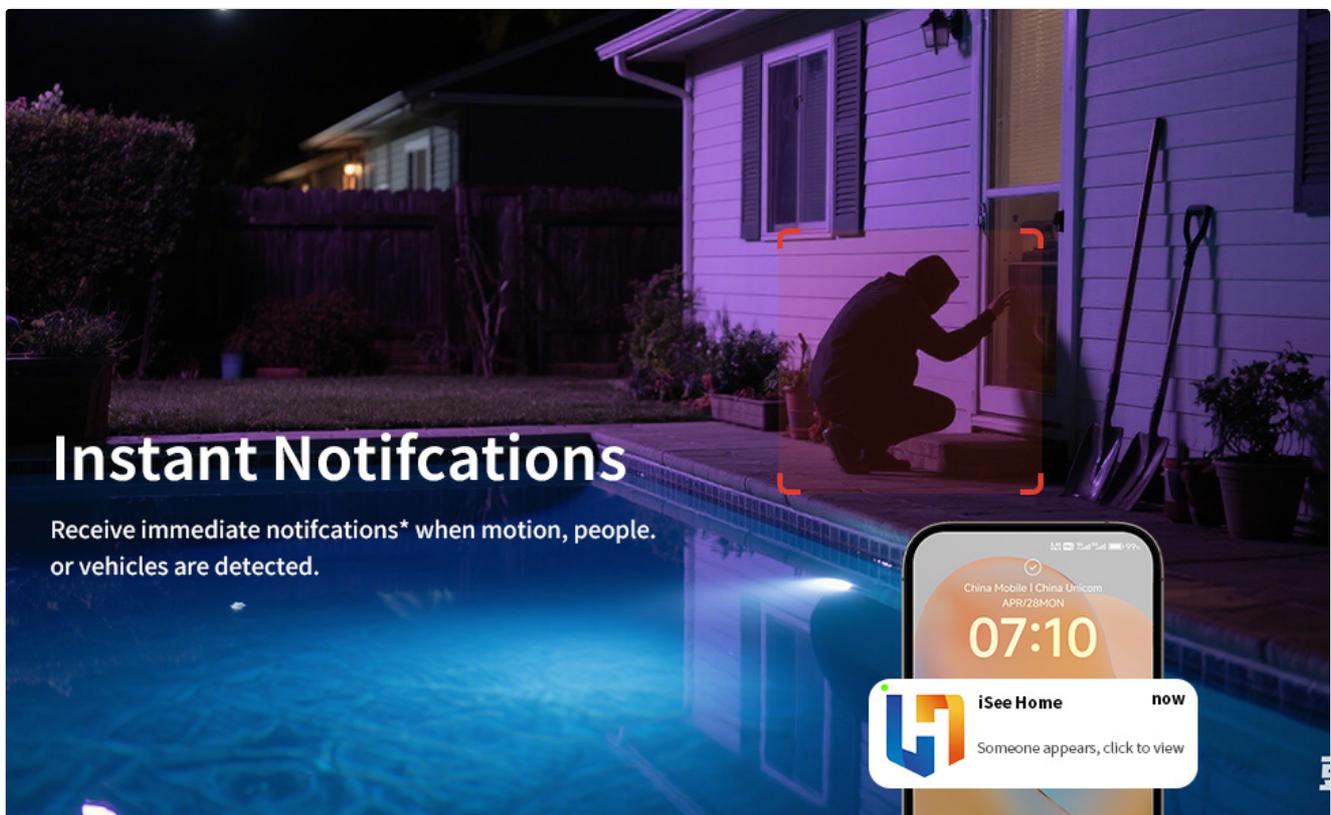
Key Features:

- **3MP Full HD Resolution:** Captures clear 2304×1296 footage.

- **24/7 Color Night Vision:** Advanced starlight technology for full-color monitoring in low light.
- **Smart AI Detection:** Distinguishes people, vehicles, and animals with AI-powered motion tracking.
- **360° PTZ Control:** Remote pan, tilt, and zoom via the Huntvision app.
- **Two-Way Audio:** Built-in microphone and speaker for communication.
- **IP65 Weatherproof:** Designed to withstand outdoor conditions (rain, snow, dust).
- **Dual Storage:** Supports up to 128GB TF card and cloud storage options.
- **Easy Setup:** 2.4G WiFi and Bluetooth 4.2 for quick installation.

5. SETUP AND INSTALLATION

5.1 Choosing a Location

Select a suitable outdoor location that provides the desired viewing angle and is within range of your 2.4G WiFi network. The camera is IP65 weatherproof, making it suitable for various outdoor environments.

Figure 5.1: Examples of suitable installation environments, including residential homes, farms, construction sites, and commercial properties.

5.2 Mounting the Camera

The camera supports wall mounting. Use the provided auxiliary package for secure installation.

1. Mark the drilling points on the wall using the mounting bracket as a template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the mounting bracket to the wall using screws.
4. Attach the camera to the mounting bracket, ensuring it is firmly in place.

5.3 Powering On and Initial Setup

1. Connect the power adapter to the camera and plug it into a power outlet.

2. Download the "Huntvision" app from your mobile app store (available for iOS).

3. Open the app and follow the on-screen instructions to add your camera. The camera uses Bluetooth 4.2 for initial configuration, simplifying the WiFi connection process.

4. Ensure your mobile device is connected to a 2.4G WiFi network during setup.

6. OPERATING THE CAMERA

6.1 Live View and PTZ Control

Once connected, access the live view through the Huntvision app. You can remotely control the camera's pan (355°) and tilt (85°) functions to adjust the viewing angle.

Figure 6.1: Illustration of the camera's remote pan (355°) and tilt (85°) capabilities, controlled via the mobile application, along with 6X digital zoom.

6.2 Motion Detection and Alerts

The camera features smart AI detection to distinguish between people, vehicles, and animals. Configure alert settings in the app to receive instant notifications on your mobile device when motion is detected.
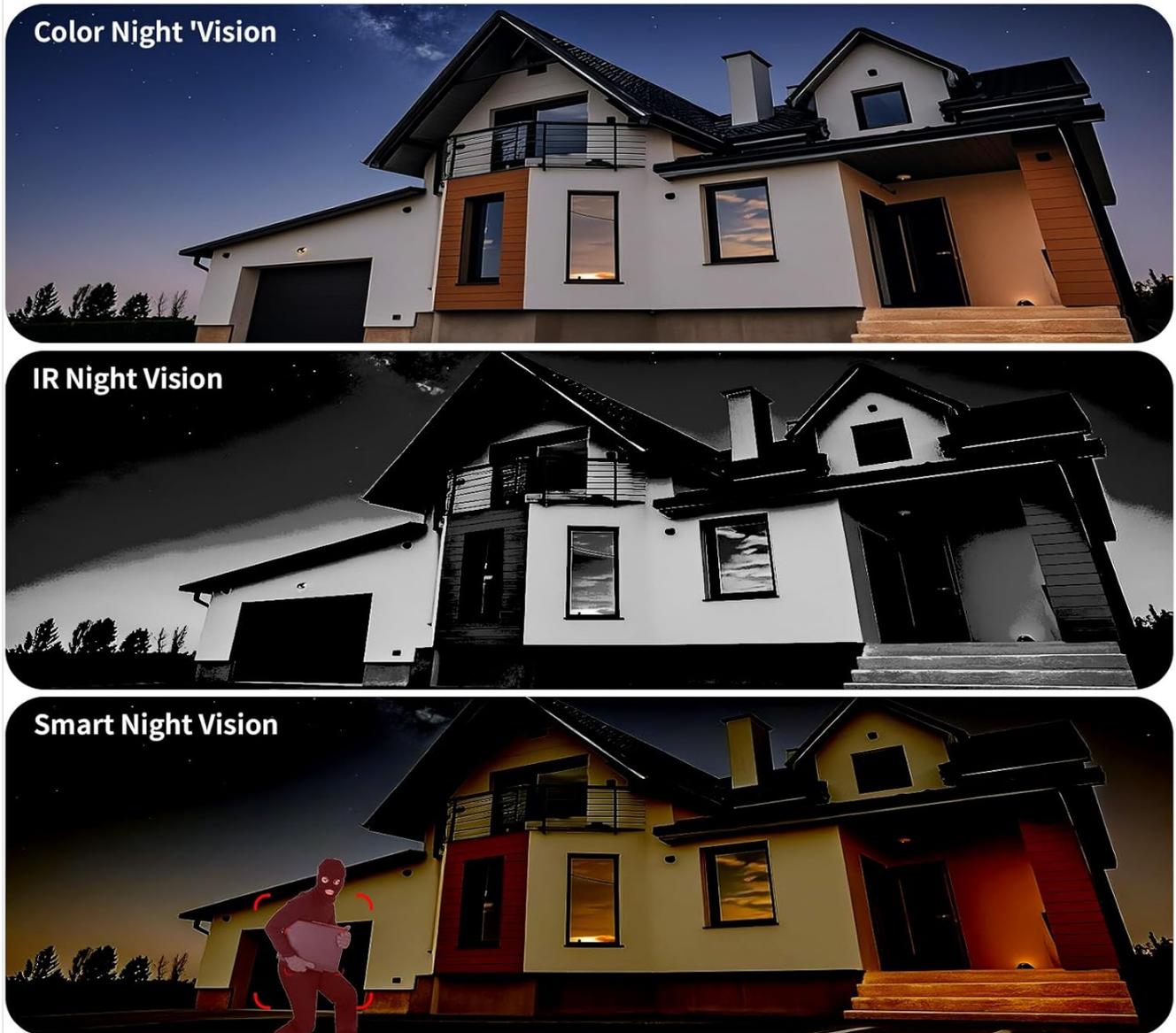
Figure 6.2: Depiction of motion detection triggering a siren alert, spotlight alarm, and app notification push, alongside the two-way audio function.

6.3 Night Vision Modes

The E3-Z offers multiple night vision modes:

- **Full-Color Night Vision:** Utilizes advanced starlight technology to provide color images in low-light conditions.
- **IR Night Vision:** Standard black and white infrared vision for complete darkness.
- **Smart Night Vision:** Automatically switches between IR and color night vision based on detected motion or light conditions.

Figure 6.3: Visual comparison of Color Night Vision, IR Night Vision, and Smart Night Vision modes, demonstrating clear visibility in various nighttime scenarios.

6.4 Two-Way Audio

Use the two-way audio feature to communicate with individuals near the camera. This is useful for deterring intruders or speaking with delivery personnel.

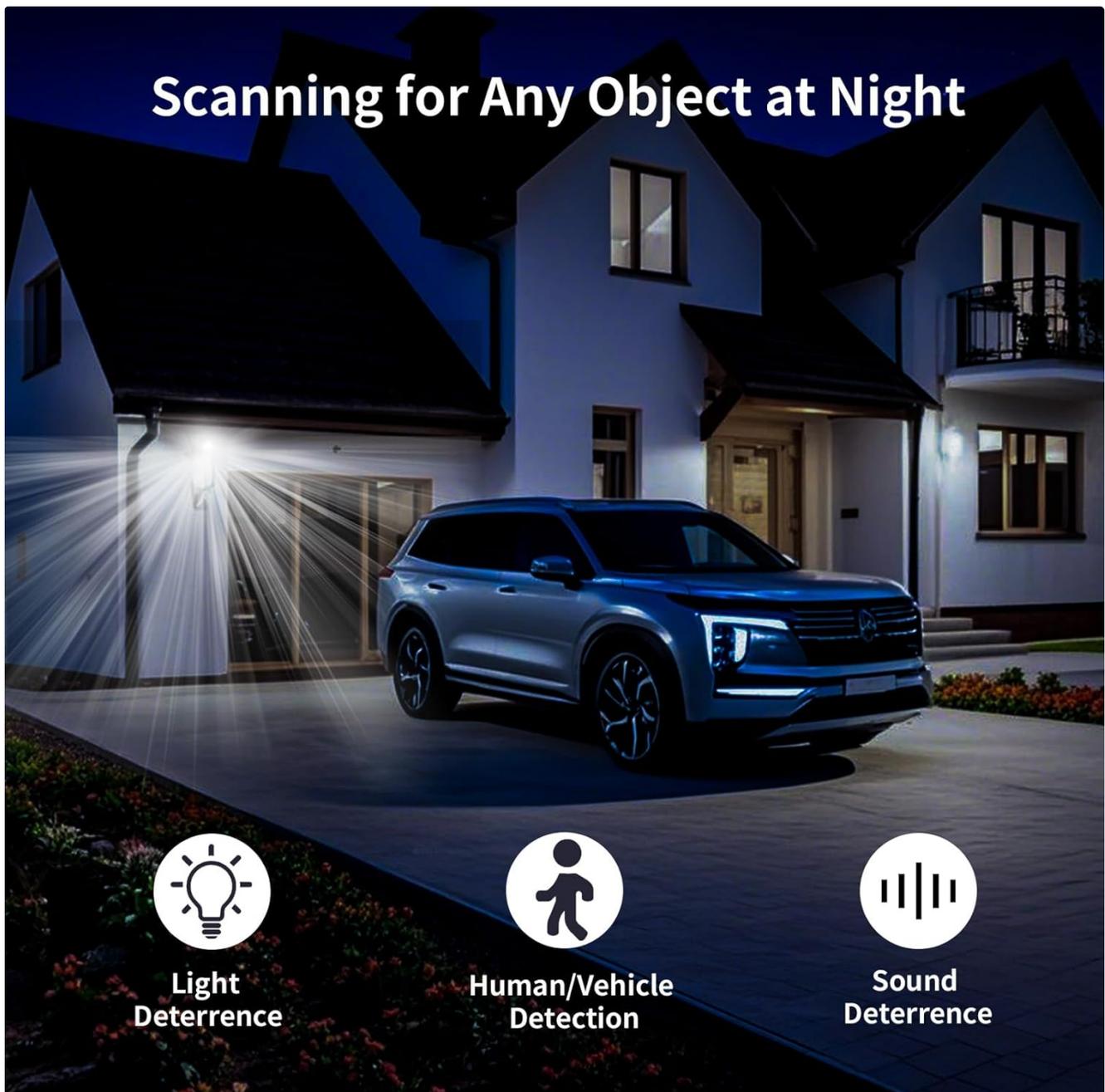**Figure 6.4:** An example of two-way audio in use, showing a user communicating with a delivery person through the camera.

6.5 Storage Options

The camera supports local storage via a TF (microSD) card up to 128GB and cloud storage services. Insert the TF card into the designated slot on the camera.

Figure 6.5: Close-up view of the TF card slot on the camera and a list of compatible memory card brands (Kingston, SanDisk, PNY) with supported capacities.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your security camera:

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Check the Huntvision app regularly for firmware updates. Keeping your camera's firmware up-to-date ensures access to the latest features and security enhancements.
- **Power Cycle:** If the camera becomes unresponsive, try unplugging it from the power source for a few seconds and then plugging it back in.
- **Storage Management:** Periodically review and manage your recorded footage. If using a TF card, ensure it has sufficient space or consider setting up automatic overwriting.

8. TROUBLESHOOTING

If you encounter issues with your HUNTVISION E3-Z camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera offline in app	No power; WiFi disconnected; Router issues	Check power connection; Verify WiFi signal strength; Restart router and camera; Re-add camera to app if necessary.
Poor image quality	Dirty lens; Low light; Network bandwidth issues	Clean the lens; Ensure adequate lighting or proper night vision mode; Check network speed.
Motion alerts not received	App notifications disabled; Detection sensitivity too low; Incorrect detection zone settings	Enable app notifications; Adjust detection sensitivity; Configure detection zones in the app.
Two-way audio not working	Microphone/speaker muted in app; Network latency	Check audio settings in the app; Ensure stable network connection.
TF card not recording	Card full; Card not formatted; Incompatible card	Format the TF card via the app; Replace with a compatible card (up to 128GB); Check recording settings.

For further assistance, please contact HUNTVISION customer support.

9. SPECIFICATIONS

Feature	Detail
Model Name	3MP Outdoor PTZ Camera (E3-Z)
Resolution	3MP (2304 x 1296p)
Connectivity Technology	Wireless (2.4G WiFi, Bluetooth 4.2 for setup)
Pan/Tilt Range	Pan 355°, Tilt 85°
Night Vision	Full-Color Night Vision, IR Night Vision, Smart Night Vision
Audio	2-Way Audio
Storage Options	TF Card (up to 128GB), Cloud Storage
Weatherproof Rating	IP65
Power Source	Corded Electric
Mounting Type	Wall Mount
Dimensions (L x W x H)	6.36 x 5.31 x 3.62 inches
Item Weight	1 pound
Included Components	Camera, Power adapter, Data line, Auxiliary package, User guide

10. WARRANTY AND SUPPORT

HUNTVISION products come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official HUNTVISION website for detailed warranty terms and conditions.

Customer Support:

If you require technical assistance or have questions regarding your HUNTVISION E3-Z Security Camera, please contact our customer support team. For the most up-to-date contact information, please visit the official HUNTVISION website or refer to the contact details provided in your product packaging.

Please have your model number (E3-Z) and purchase information ready when contacting support.