

A-ZONE AZ-1080440

A-ZONE 5 Megapixel Security Camera System User Manual

Model: AZ-1080440

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your A-ZONE 5 Megapixel Security Camera System (Model: AZ-1080440). Please read this manual thoroughly before using the product to ensure proper setup and functionality. This system is designed for reliable security surveillance, offering high-resolution video and advanced features for both indoor and outdoor environments.

2. PRODUCT OVERVIEW

The A-ZONE AZ-1080440 is a high-definition security camera system featuring 5-megapixel cameras and a Digital Video Recorder (DVR). It is equipped with advanced features such as IR-CUT night vision, built-in audio pickup for two-way communication, AI human detection, and H.265+ video compression for efficient storage. The cameras are IP67 rated for outdoor use, ensuring durability against various weather conditions.



Figure 2.1: A-ZONE 5 Megapixel Security Camera System components.

Key Features:

- **5 Megapixel Resolution:** Provides clear and detailed video footage.
- **IR-CUT Night Vision:** Automatic switching for clear images in low-light conditions.
- **Built-in Audio Pickup:** Enables audio recording and two-way communication without additional devices.
- **AI Human Detection:** Advanced detection capabilities to identify human figures.
- **Alarm Notifications:** Sends alerts to your smartphone in case of detected incidents.
- **H.265+ Video Compression:** Efficiently compresses video to save storage space while maintaining quality.
- **IP67 Waterproof:** Cameras are designed for outdoor use and are resistant to dust and water.
- **Remote Access:** Monitor your property from anywhere using a smartphone or PC.



Figure 2.2: Image quality comparison (1MP vs 3MP).



Figure 2.3: H.265+ compression technology benefits.

昼夜対応・IP67防水防塵



Figure 2.4: Day/Night vision and IP67 waterproof features.

3. PACKAGE CONTENTS

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

- A-ZONE 5 Megapixel Security Cameras (Quantity may vary based on kit)
- Digital Video Recorder (DVR) Unit
- Power Adapter for DVR
- Power Adapters for Cameras (if applicable)
- Ethernet Cables (for wired connection)
- Mounting Screws and Plugs
- USB Mouse
- User Manual (this document)
- *Note: Hard Disk Drive (HDD) is NOT included. Please prepare a 1-8TB HDD for recording.*

4. SETUP

Follow these steps to set up your A-ZONE security camera system:

1. Install HDD (if not pre-installed):

Open the DVR casing, connect the SATA power and data cables to your 1-8TB HDD, and secure the HDD inside the DVR. Close the casing.

2. Connect Cameras:

Connect each camera to the DVR using the provided Ethernet cables. Ensure a secure connection for both power and video transmission.

3. Connect DVR to Monitor:

Connect the DVR to a monitor or TV using an HDMI or VGA cable to view the live feed and access settings.

4. Connect DVR to Power:

Plug the DVR's power adapter into a power outlet and connect it to the DVR. The system will power on.

5. Connect Mouse:

Connect the USB mouse to the DVR for navigation and configuration.

6. Network Connection (Optional but Recommended):

For remote access and notifications, connect the DVR to your router using an Ethernet cable. This enables internet connectivity for the system.

7. Initial Configuration:

Follow the on-screen prompts to complete the initial setup, including setting up a password, time zone, and recording preferences. Format the newly installed HDD if prompted.

5. OPERATING INSTRUCTIONS

This section details the basic operation of your A-ZONE security system.

5.1 Live View and Recording

- Live View:** Once powered on and configured, the DVR will display live feeds from all connected cameras on the monitor.
- Recording:** The system is typically set to continuous recording by default. You can configure motion detection recording, scheduled recording, or manual recording via the DVR's menu.

5.2 Two-Way Audio

The cameras feature built-in microphones and speakers, allowing for two-way audio communication through the system's mobile application.



流暢な 双方向音声

カメラ本体にはマイクやスピーカーを内蔵して、電話をかけなくてもすぐに対話出来ます。音声の転送は流暢だけでなく、はっきり聞こえます。



Figure 5.1: Two-way audio functionality.

5.3 AI Human Detection and Alerts

The system can detect human figures and send instant alerts to your smartphone.

- **Configuration:** Access the DVR's menu to enable and configure AI human detection zones and sensitivity for each camera.
- **Notifications:** Ensure the mobile application is installed and configured to receive push notifications for detected events.



Figure 5.2: AI human detection and alarm notification.

5.4 Remote Access

Monitor your security system from anywhere using the dedicated mobile app or PC software.

- **Mobile App:** Download the official A-ZONE app from your smartphone's app store. Register an account and add your DVR device by scanning the QR code or entering the device ID.
- **PC Software:** Install the A-ZONE client software on your computer. Add your DVR device using its IP address or cloud ID.
- **Features:** Remote access allows you to view live feeds, playback recorded footage, receive alerts, and configure certain settings.

スマホ・パソコンで遠隔操作

泥棒を防止するだけでなく、どこでもスマホ・iPad・パソコンを通じて、お宅と仕事場など色々な状況が把握出来ます。そして、同じアカウントを入力して、家族皆共用でき、悦楽も共用出来ます。

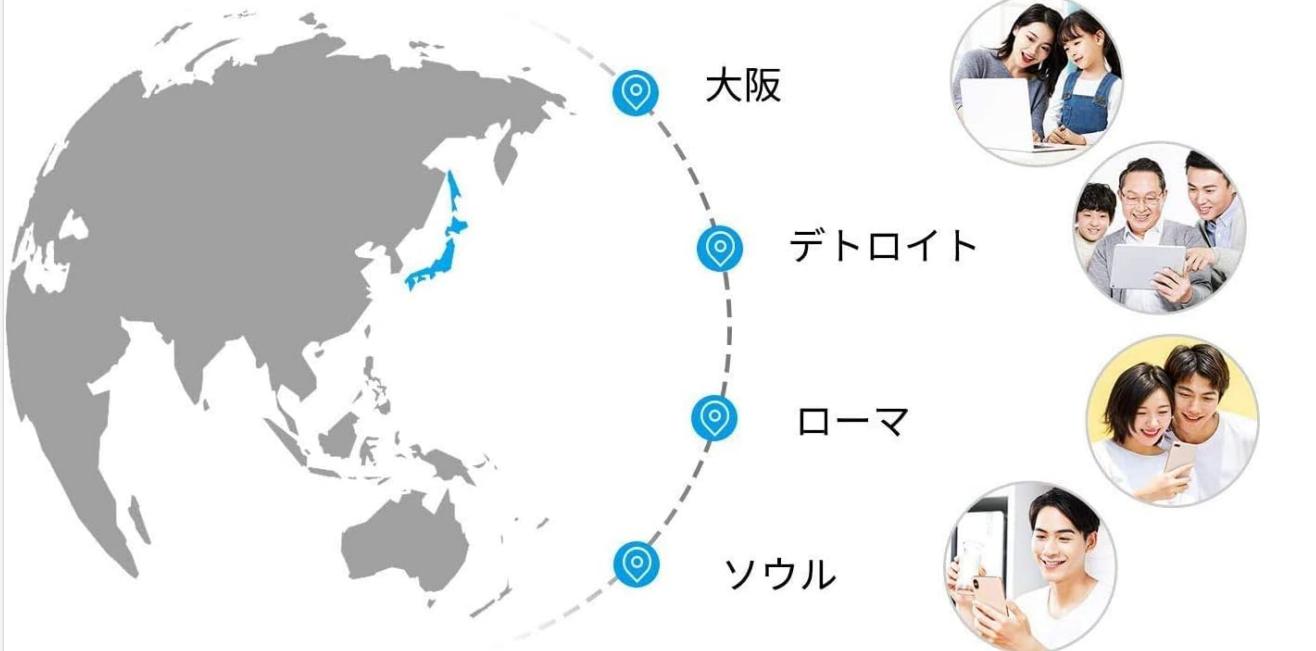


Figure 5.3: Remote operation via smartphone or PC.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your security system.

- Camera Lens Cleaning:** Periodically clean camera lenses with a soft, damp cloth to remove dust and smudges. Avoid abrasive cleaners.
- Cable Inspection:** Check all cables (power, Ethernet) for any signs of wear, damage, or loose connections. Replace damaged cables promptly.
- Software Updates:** Check for firmware updates for your DVR and camera system regularly through the DVR's menu or the manufacturer's website. Updates can improve performance and add new features.
- HDD Health Check:** Monitor the health of your HDD through the DVR's system settings. Replace the HDD if it shows signs of failure to prevent data loss.
- Environmental Considerations:** Ensure cameras are not obstructed by foliage or other objects. For outdoor cameras, periodically check for debris accumulation around the lens or housing.

7. TROUBLESHOOTING

This section addresses common issues you might encounter and their solutions.

Problem	Possible Cause	Solution
No image on monitor	Loose cable connection, power issue, incorrect input source on monitor.	Check HDMI/VGA cable connection. Ensure DVR is powered on. Select correct input source on monitor.
Camera not displaying video	Loose camera cable, camera power issue, faulty camera/cable.	Check camera's Ethernet cable connection to DVR. Ensure camera is receiving power. Try connecting camera to a different port or using a different cable.
Cannot access remotely	DVR not connected to network, incorrect network settings, firewall issues, app configuration.	Ensure DVR is connected to router. Check network settings on DVR. Verify app configuration (device ID, password). Check router firewall settings.
No recording or short recording time	No HDD installed, HDD full, HDD not formatted, recording schedule incorrect.	Install and format an HDD (1-8TB). Check recording settings and schedule. If HDD is full, configure overwrite or backup data.
Poor night vision quality	Obstruction in front of camera, IR-CUT not switching, dirty lens.	Clear any obstructions. Clean the camera lens. Ensure IR-CUT function is enabled in settings.

8. SPECIFICATIONS

Feature	Detail
Brand	A-ZONE
Model Number	AZ-1080440
Video Capture Resolution	3 MP (5 Megapixel Camera System)
Connectivity Technology	Wired (Ethernet)
Special Features	HD Resolution, Night Vision (IR-CUT), AI Human Detection, Two-Way Audio, Waterproof (IP67)
Indoor/Outdoor Use	Outdoor Use
Compatible Devices	Smartphone, PC
Power Source	Corded Electric
Mounting Type	Wall Mount
Product Dimensions (LxWxH)	12 x 14 x 13 cm

Feature	Detail
Item Weight	7 Kilograms
Included Components	Charger (Power Adapters)
Wireless Communication Technology	Wi-Fi (for remote access, not camera connection)
Recommended Uses	Security, Surveillance

9. WARRANTY AND SUPPORT

A-ZONE provides customer support for its products. For warranty information, technical assistance, or any inquiries not covered in this manual, please refer to the contact information provided with your product packaging or visit the official A-ZONE website.

When contacting support, please have your product model number (AZ-1080440) and purchase details ready.

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