

A-ZONE AZJ-015

A-ZONE POE Security Camera Kit AZJ-015 User Manual

Model: AZJ-015

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your A-ZONE POE Security Camera Kit, model AZJ-015. This system is designed to provide reliable surveillance with high-resolution imaging and advanced features for enhanced security.

Key features include 5MP ultra-high-definition cameras, integrated audio recording, efficient H.265 video compression, and IP67 weather resistance for outdoor use. The kit includes an NVR (Network Video Recorder) with a 2TB hard disk drive for continuous recording.

2. PRODUCT OVERVIEW

The A-ZONE POE Security Camera Kit AZJ-015 consists of multiple 5MP POE cameras and a central Network Video Recorder (NVR) with a pre-installed 2TB hard drive. The Power over Ethernet (POE) technology simplifies installation by allowing both power and data transmission over a single Ethernet cable.



Figure 2.1: A-ZONE POE Security Camera Kit showing 8 cameras, NVR, and 2TB HDD.

3. SETUP GUIDE

Follow these steps to set up your A-ZONE POE Security Camera Kit:

1. **Unpack Components:** Carefully remove all cameras, the NVR, power adapter, and accessories from the packaging.
2. **Connect Cameras:** Connect each POE camera to the POE ports on the back of the NVR using standard Ethernet (LAN) cables. The POE technology will provide both power and video signal.
3. **Connect NVR to Monitor:** Connect the NVR to a monitor using an HDMI or VGA cable.
4. **Connect NVR to Network (Optional):** For remote viewing, connect the NVR to your router using an Ethernet cable.
5. **Power On:** Connect the NVR power adapter to the NVR and then to a power outlet. The system will boot up automatically.
6. **Initial Configuration:** Follow the on-screen prompts to complete the initial setup, including setting a password and configuring network settings if connected to the internet.

4. OPERATING INSTRUCTIONS

4.1 High-Resolution Recording

The cameras in this kit feature 5-megapixel (5MP) resolution, providing images that surpass Full HD quality. The F=3.6MM lens ensures a wide field of view and captures clear, detailed footage.

フルハイビジョンを超えた 500万画素の高解像度を実現!



Figure 4.1: Close-up view of an A-ZONE 5MP camera, highlighting its high-resolution capability.

4.2 Audio Recording and Two-Way Audio

Each camera is equipped with a built-in audio pickup, eliminating the need for separate audio recording devices. This allows for simultaneous video and audio recording within a 10-meter range. When connected to a monitor via HDMI or VGA, you can experience real-time audio and playback recorded footage with sound, providing comprehensive surveillance evidence.



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 4.2: Illustration of the two-way audio function, enabling communication through the camera system.

4.3 Motion Detection and Alerts

The system features smart AI human detection. When motion is detected within the surveillance area, the device triggers an alarm and simultaneously begins audio recording. This function helps in monitoring your property and can send alert notifications to your mobile application, allowing you to check the status of your home even when you are away. The AI detection minimizes false alarms from non-human movements like rain, snow, light changes, or swaying curtains.

スマートなAI人体検知



人体の形を検知されて、即時に携帯アプリに警報通知が送信しながら録画します。撮影範囲内の動物が動いても、反応しません。

AI人体検知のおかげで、雨、雪、犬、光変化、枝やカーテンの揺れ、虫動きなどの動体によって引き起こされる99%誤警報を回避します。

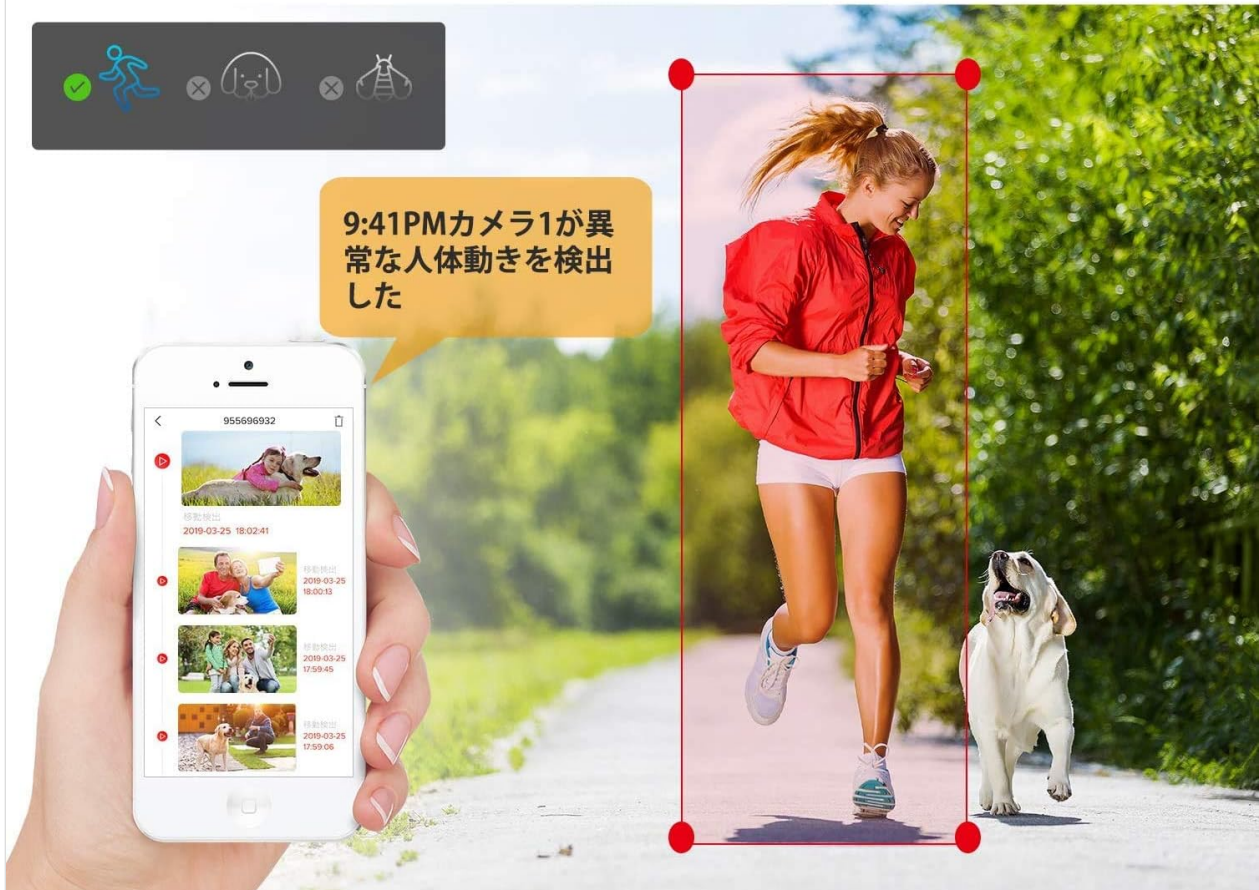


Figure 4.3: Smart AI human detection feature, identifying human movement and sending alerts to a connected smartphone.

4.4 Day and Night Vision

Equipped with IR-CUT technology and infrared LEDs, the cameras automatically switch between day and night modes based on ambient light conditions. This ensures clear imaging even in complete darkness, with an effective night vision range of approximately 30 meters. This feature provides reliable security monitoring around the clock.



Figure 4.4: Day and night vision comparison, demonstrating the camera's ability to capture clear images in varying light conditions.

4.5 Remote Access

The system supports remote operation and viewing via smartphone or PC. By installing the dedicated application and logging in with your account, you can monitor live feeds and playback recorded footage from anywhere, allowing for shared access among family members or colleagues.

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。

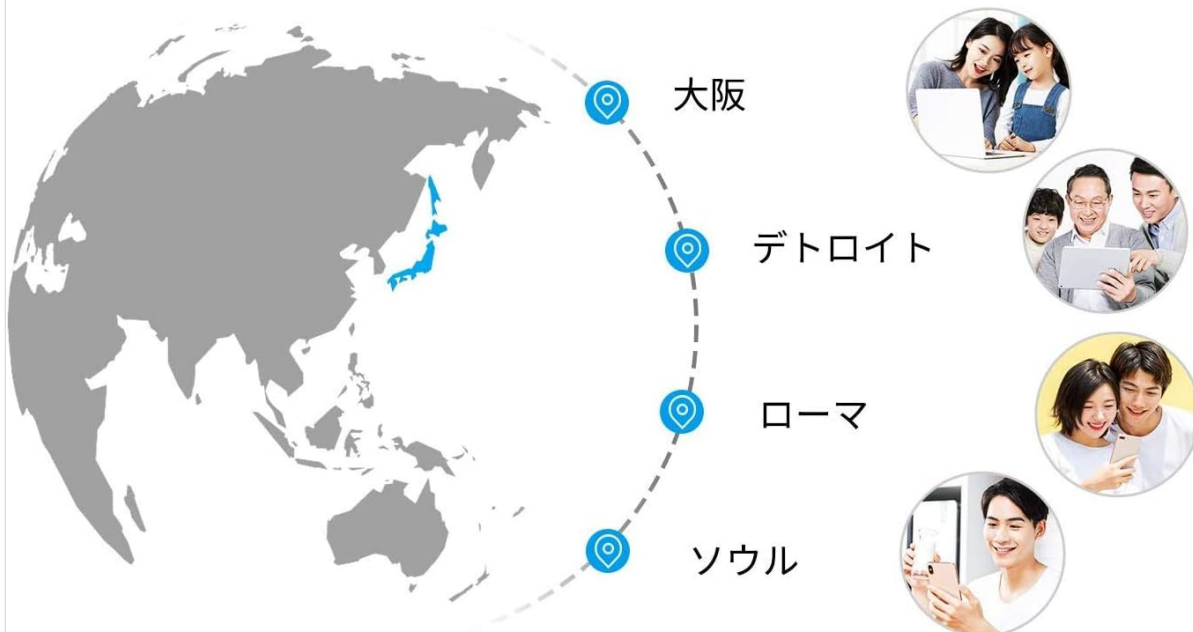


Figure 4.5: Remote access capabilities, enabling users to monitor their property from various locations using smart devices.

4.6 Video Compression (H.265)

The system utilizes advanced H.265 video compression technology, which offers approximately twice the compression performance of traditional H.264. This significantly reduces storage requirements and network bandwidth usage, allowing for stable operation even with ultra-high-resolution images. It also improves processing speed by 80%, enabling smoother viewing even with slower internet connections. The included 2TB hard drive can record approximately 20 days (480 hours) of 5MP footage from 8 cameras simultaneously, with an overwrite function for continuous 24/7 recording.

H.265って何だ？

圧縮方式H.265も対応



Figure 4.6: Explanation of H.265 video compression, demonstrating its efficiency in saving storage space compared to H.264.

5. MAINTENANCE

The cameras are designed with an IP67 waterproof and dustproof rating, making them suitable for all-weather outdoor use in temperatures ranging from -20°C to 60°C. This robust construction ensures durability and reliable performance in various environmental conditions.

昼夜対応・IP67防水防塵

5MP・暗視・IR-CUT
高感度CMOSカメラ専用レンズ、
画質が圧倒的!

昼夜

5MP昼
古型36個小さなLEDライトより画素
高く、暗視機能抜群

IP67防水防塵
高い防塵・防水性を誇り、
安心して屋外での使用ができます

IP67

最新金属製、
防水・耐久・
耐候性アップ

Figure 5.1: IP67 weather resistance for outdoor camera placement, ensuring protection against elements.

To maintain optimal performance:

- Regularly clean the camera lenses with a soft, damp cloth to remove dust and debris.
- Ensure all cable connections are secure and free from damage.
- Periodically check the NVR's ventilation to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your A-ZONE POE Security Camera Kit, refer to the following common troubleshooting tips:

- **No Image Display:**
 - Check all power connections to the NVR and ensure the power adapter is functioning.
 - Verify that the HDMI/VGA cable connecting the NVR to the monitor is securely attached.
 - Ensure LAN cables connecting cameras to the NVR are properly seated.
- **Poor Image Quality:**
 - Clean the camera lens for any smudges or dirt.
 - Adjust camera position to avoid direct light sources or reflections.
 - Check NVR display settings for resolution output.
- **Remote Access Issues:**
 - Ensure the NVR is connected to your network router via an Ethernet cable.
 - Verify your smartphone or PC has a stable internet connection.
 - Check firewall settings on your router; port forwarding may be required (consult your router manual or ISP).
- **Recorder Bugs or UI Language:**
 - Ensure the NVR firmware is up to date. Check the manufacturer's website for updates.
 - While the UI may have some translation quirks, most functions are intuitive. Refer to this manual for clarification on specific features.
- **Power Supply Issues:**
 - If the NVR experiences intermittent power loss or fails to power on, contact customer support.

For further assistance, please contact A-ZONE customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	A-ZONE
Model Number	AZJ-015
Video Capture Resolution	5MP (5 Million Pixels)

Feature	Specification
Lens	F=3.6MM
Image Compression	H.265+, H.265, H.264+, H.264
Connectivity Technology	Wired (POE)
Waterproof Rating	IP67
Operating Temperature	-20°C to 60°C
Night Vision Range	Approx. 30m (Infrared)
Hard Drive Capacity	2TB (Expandable up to 8TB)
Recording Features	Audio Recording, Motion Detection, IR-CUT, Night Vision
System Configuration	8-Channel NVR + 8 Cameras
Package Dimensions	43.2 x 32.4 x 30.8 cm
Package Weight	10.48 kg

8. WARRANTY AND SUPPORT

The A-ZONE POE Security Camera Kit AZJ-015 comes with a **2-year warranty**. We are committed to providing reliable products and excellent customer service.

For any inquiries, technical assistance, or support during use, please do not hesitate to contact our professional technical support team:

- **Japanese Domestic Phone:** 050-4561-2930
- **Email (24-hour reception):** service@azone-tech.com
- **LINE ID:** azone1234

Our team is available to assist you with any questions or issues you may encounter.