SOVMIKU POE-4YHD985

SOVMIKU POE Camera System User Manual

Model: POE-4YHD985

Brand: SOVMIKU

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your SOVMIKU POE Camera System. This system features 4K NVR with 5MP PoE cameras, human detection, 300° pan and 90° tilt capabilities, 3TB HDD for continuous recording, auto tracking, and two-way audio, all designed for robust home security surveillance.

2. What's in the Box?

Upon unboxing your SOVMIKU POE Camera System, please verify that all the following components are included:

- 4 x 5MP PoE Outdoor Security Cameras
- 1 x 4K 8MP 8-Port 16CH Expandable PoE NVR
- 1 x 3TB Hard Drive (Pre-installed inside the NVR box)
- 4 x Ethernet Cords (2 x 64ft + 2 x 100ft)
- 1 x NVR Power Adapter
- 1 x HDMI Cord
- 1 x USB Mouse
- Warning Stickers
- Mounting Screws



Image: All components included in the SOVMIKU POE Camera System package.

3. Setup Guide

3.1 Initial System Connection

Follow these steps to connect your NVR and cameras:

1. **Connect NVR:** Connect the NVR to your network router using an Ethernet cable. Connect a mouse to the NVR's USB port and a monitor (TV) via HDMI or VGA cable. Finally, connect the NVR power adapter and plug it into a power outlet.
2. **Connect Cameras:** Connect each 5MP PoE camera to the NVR's PoE ports using the provided CAT5e Ethernet cords. A single Ethernet cable provides both video and power to the cameras.
3. **Power On:** Once all connections are secure, power on the NVR. The system will boot up and display the camera feeds on the connected monitor.

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Video: A comprehensive guide to unboxing and setting up the SOVMIKU 5MP Human Detection PoE Security Camera System, demonstrating the connection process for the NVR and cameras.

3.2 Network and Remote Access Setup

The system can operate without an internet connection for local viewing. For remote access via mobile devices or PC, connect the NVR to your router.

1. **NVR Password Setup:** Upon first boot, you will be prompted to set a new, strong password for the NVR. It is crucial to change the default password immediately for security. You can also enter an email address for password recovery.
2. **Mobile App:** Download the free mobile app "Guard Viewer" from Google Play or the App Store. Register an account.
3. **Add Device:** In the app, navigate to "Devices" > "Add" > "Scan". Scan the QR code found on the NVR (usually under Menu > Network > P2P) to add your system.
4. **Live View:** Once added, you can access live video feeds from your cameras remotely.





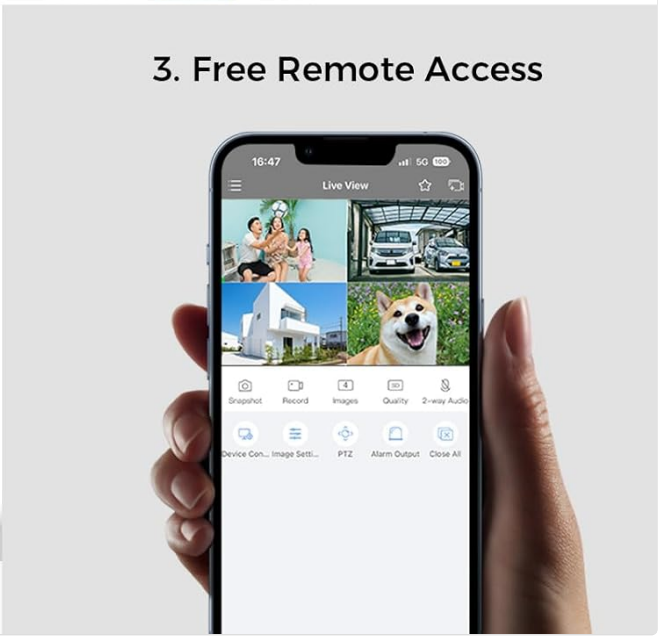


Image: Illustration of the Power over Ethernet (PoE) setup, highlighting the single Ethernet cable for audio, video, and power.

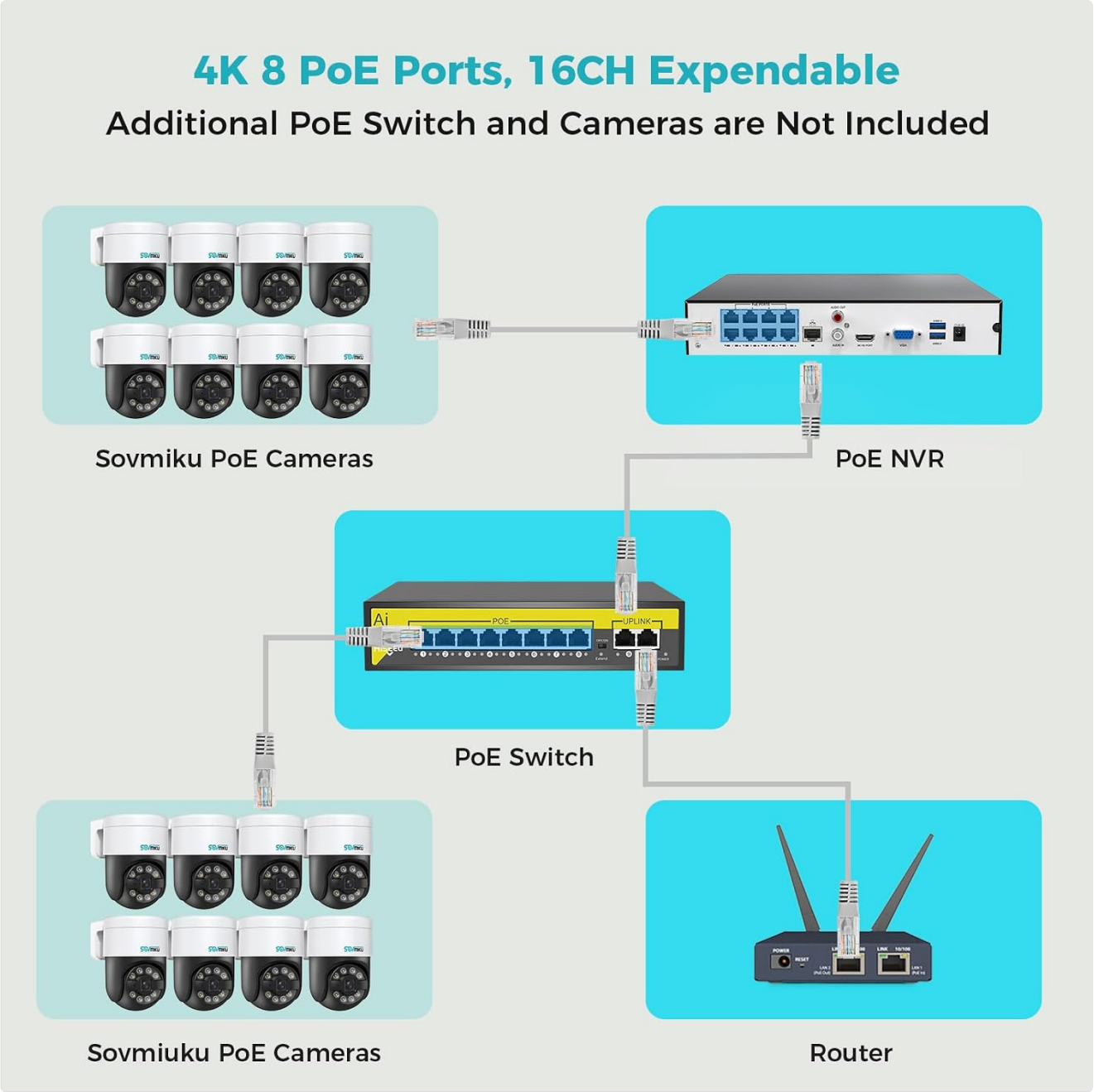


Image: Diagram illustrating the expandability of the 4K 8 PoE Ports, 16CH NVR system, allowing for additional cameras via PoE switches.

4. Operating Your System

4.1 Pan, Tilt, and Auto Tracking

The PTZ (Pan-Tilt-Zoom) cameras offer extensive coverage:

- **Pan & Tilt:** Cameras can rotate horizontally up to 300° and vertically up to 90°, providing a wide surveillance area.
- **Human Auto Tracking:** The cameras can automatically track suspicious human movement within the surveillance area. This feature needs to be enabled and configured via preset points on the local NVR.

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Video: Demonstration of the SOVMIKU 5MP Human Detection Pan Tilt 4K PoE Security Camera System's auto-tracking capabilities.

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Video: Illustrates the Pan 270° and Tilt 90° functionality for wider surveillance coverage.

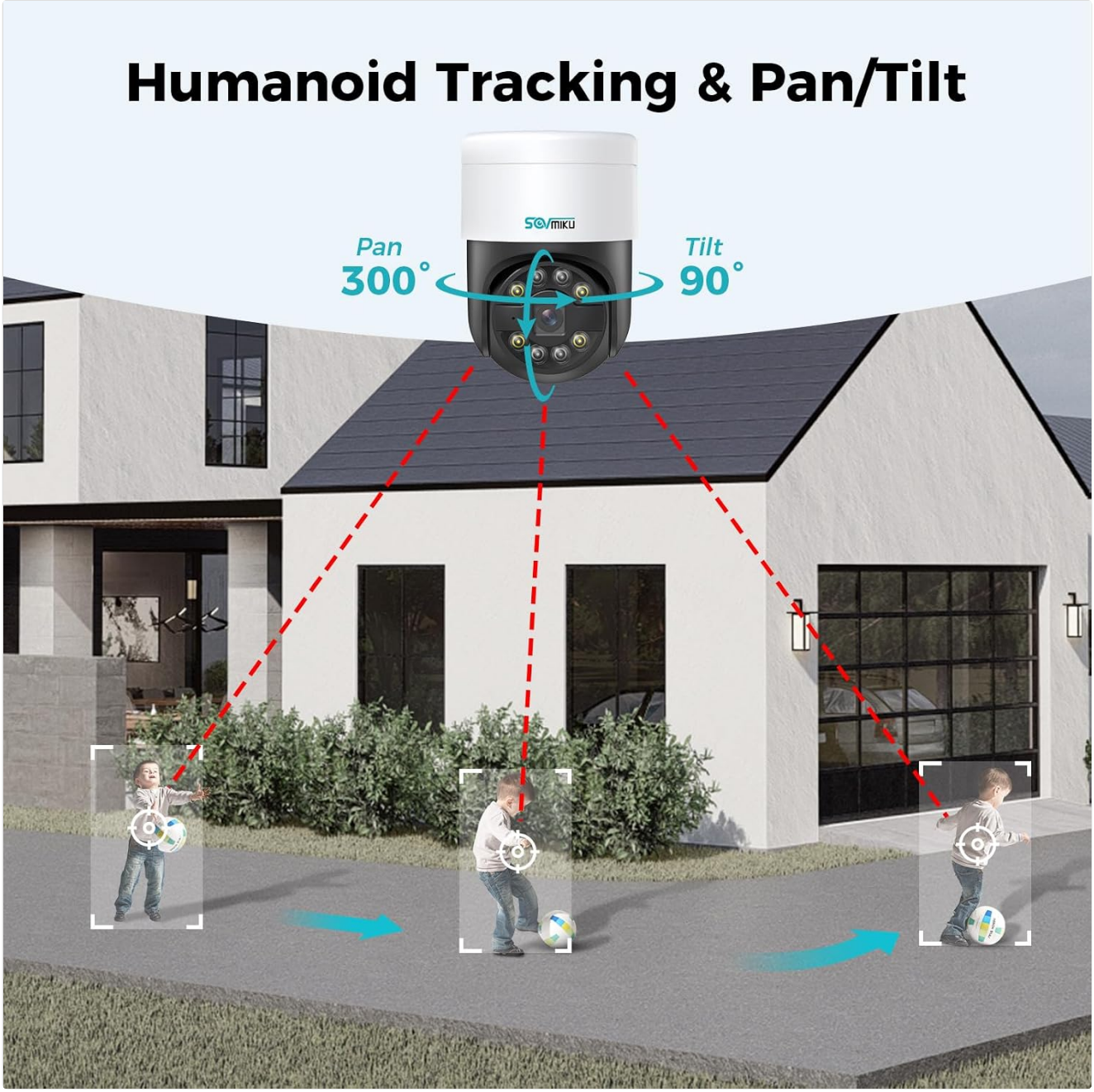


Image: Visual representation of the camera's 300° pan and 90° tilt range, along with its human auto-tracking feature.

4.2 Human Motion Detection & Alerts

The system utilizes advanced AI technology to differentiate between humans and other objects, reducing false alarms.

- **Customizable Detection Areas:** You can customize motion detection areas for each camera to focus on critical zones and minimize alerts from irrelevant movements (e.g., moving branches, animals).
- **Instant Alerts:** Receive push notifications on your mobile app when a person enters your property.



Image: Depiction of human detection triggering an instant app alert on a mobile phone.

4.3 Two-Way Audio

Each camera supports two-way audio, allowing you to communicate with visitors or deter intruders directly through the camera via the mobile app.

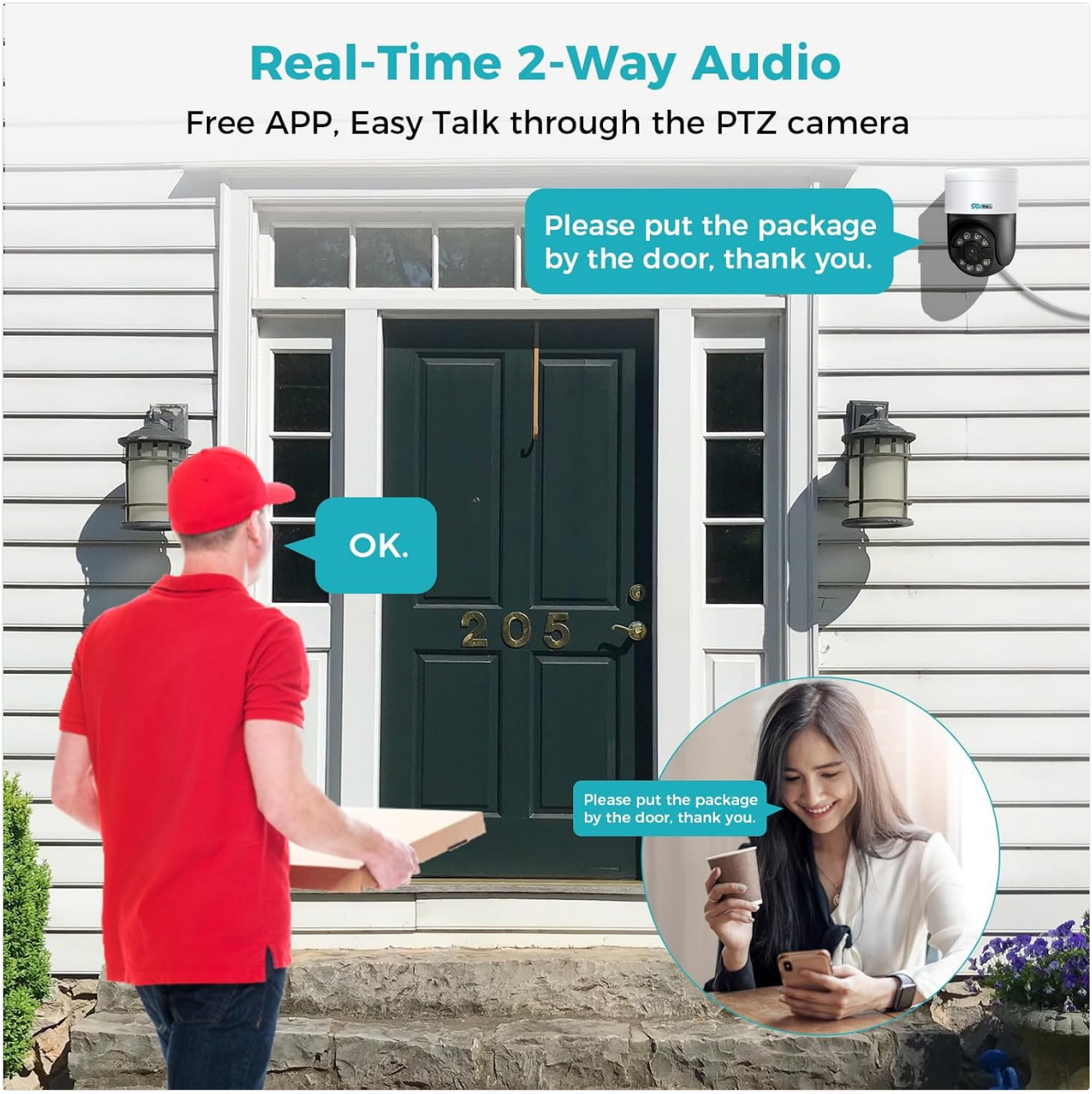


Image: Example of real-time two-way audio communication between a user and a delivery person via the PTZ camera.

4.4 Recording and Playback

The system comes with a pre-installed 3TB HDD for extensive recording and offers various playback options:

- **Continuous Recording (7/24/365):** The system records continuously, overwriting older footage when the storage is full. The 3TB HDD can store over 90 days of reliable video.
- **Motion Detection Record:** Records only when motion is detected, saving storage space.
- **Smart Playback:** Choose specific recording times or use various playback modes like Sync Playback (up to 4 cameras simultaneously), Motion Detection Playback, or Common Playback.
- **USB Backup:** Easily download recorded files for backup via USB.

4.5 Night Vision

The 5MP cameras provide clear night vision up to 65ft, thanks to Infrared LED Lights and an automatic IR-cut filter. When a person is detected, the floodlight will turn on to display color night vision.



Image: The camera's IP66 weatherproof rating ensures reliable operation in various weather conditions, from -4°F to 131°F.

5. Maintenance

- **Regular Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the SOVMIKU official website or app for any available firmware updates to ensure optimal performance and security.
- **HDD Management:** The system automatically overwrites old recordings when the hard drive is full. No manual intervention is typically required for continuous recording.
- **Environmental Protection:** The cameras are IP66 weatherproof, designed to withstand temperatures between -4°F and 131°F. Ensure proper installation to prevent water ingress.

6. Troubleshooting

6.1 Common Issues and Solutions

- **Camera Disconnection:** If a camera occasionally disconnects, a quick reboot of the NVR often resolves the issue. Ensure all Ethernet cables are securely connected.
- **False Motion Alerts:** Customize the motion detection area in the NVR settings or mobile app to exclude areas with frequent irrelevant movements (e.g., trees, pets) to reduce false alarms.
- **Poor Night Vision:** Ensure the camera lens is clean and free from obstructions. Check for strong light sources directly facing the camera at night, which can interfere with IR illumination.
- **No Remote Access:** Verify the NVR is properly connected to your router and has internet access. Ensure the P2P function is enabled in the NVR's network settings and that the mobile app is correctly configured with the device.
- **Forgotten Password:** Use the email address configured during setup to reset the system password.

6.2 Important Security Note

It is critical to set a strong, unique password for your NVR system immediately after initial setup. Not doing so can compromise your system's security and privacy. Always use a combination of uppercase and lowercase letters, numbers, and symbols, and avoid easily guessable passwords.

7. Product Specifications

Feature	Detail
Brand	SOVMIKU
Model Number	SFPK-4YHD985-CT
Connectivity Technology	Wired (PoE)
Video Capture Resolution	2560x1920 (5MP)
Special Feature	Human Detection, Pan-Tilt Control, Auto Tracking, 2-Way Audio, Night Vision
Number of Channels	16 (Expandable)
Memory Storage Capacity	3 TB (Pre-installed, up to 6TB per disk)
Power Source	AC/DC
Item Dimensions L x W x H	10.63 x 6.69 x 9.06 inches
Operating System (App)	iOS, Android
Recommended Uses	Surveillance
Compatible Devices	TV

Feature	Detail
Signal Format	PoE IP Network
Night Vision Range	65 Feet
Frame Rate	20 FPS
Recording Mode	Motion Detection, Continuous
Optical Sensor Technology	CMOS
Total USB Ports	2
Hardware Interface	VGA, SATA 6.0 Gb/s, USB, Ethernet, HDMI, 802.11 b/g/n
Lens Type	Fixed (3.6mm Focal Length)
Viewing Angle	95 Degrees
Waterproof Rating	IP66

8. Warranty and Support

The SOVMIKU POE security camera system is a one-time purchase with no monthly fees or hidden costs. All features and services are managed on-device or through the free mobile application.
For any technical assistance, troubleshooting, or product inquiries, please refer to the contact information provided in your product packaging or visit the official SOVMIKU website for support resources.

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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.

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