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› [SANNCE 5MP Super HD PoE IP Security Camera I51EP Instruction Manual](#)

## SANNCE I51EP

# SANNCE 5MP Super HD PoE IP Security Camera Instruction Manual

Model: I51EP

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SANNCE 5MP Super HD PoE IP Security Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. This camera is designed for both indoor and outdoor surveillance, offering high-resolution video and advanced detection capabilities.

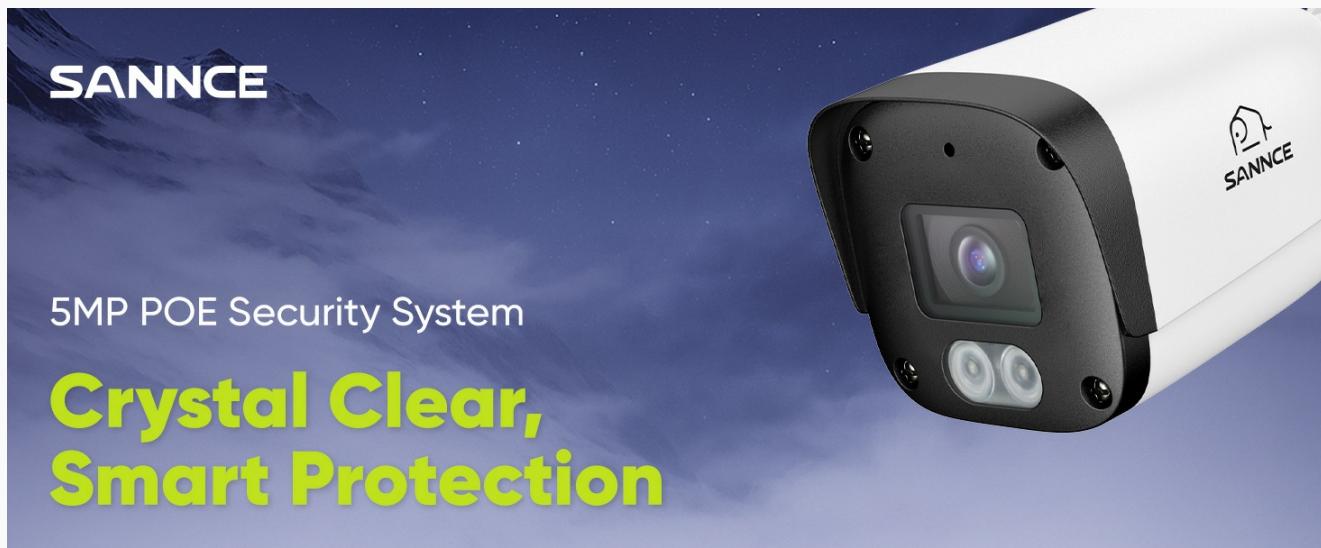


Image 1.1: SANNCE 5MP PoE Security System Overview

## 2. PACKAGE CONTENTS

Verify that all components are present in your package. If any items are missing or damaged, contact SANNCE customer support.

- SANNCE 5MP PoE IP Security Camera (2 units)

- Mounting Screws and Wall Plugs
- Waterproof Kit for Network Cable
- Quick Start Guide



Image 2.1: Two SANNCE 5MP PoE IP Security Cameras included in the package.

### 3. PRODUCT FEATURES

The SANNCE I51EP camera offers a range of features designed for reliable surveillance:

- **5MP Super HD Resolution:** Captures video at 2880x1620 pixels using a 1/2.7" Progressive Scan CMOS sensor, providing clear and detailed images.
- **Enhanced Image Processing:** Features BLC (Backlight Compensation), 3D DNR (3D Digital Noise Reduction), and HLC (Highlight Compensation) for optimal image quality in various lighting conditions.
- **Dual IR Night Vision:** Equipped with 2 infrared arrays and a 6-layer glass lens, offering up to 100ft (30m) of night vision. The smart IR-cut filter automatically switches between day and night modes.
- **Wide-Angle View:** A 4mm lens provides a broad field of view, covering more monitoring area.
- **Smart Motion Detection:** Advanced human and vehicle detection reduces false alarms and triggers event markers in recordings when used with compatible NVRs (e.g., SANNCE N98PBM series).
- **Privacy Zones:** Allows users to define custom privacy masks to block sensitive areas from surveillance while maintaining coverage elsewhere.
- **IP67 Weatherproof Design:** Constructed with a rust-proof metal housing, ensuring durability and resistance to dust and water. Operates reliably in temperatures from -22°F to 140°F (-30°C to 60°C).
- **Built-in Microphone:** Captures ambient sound clearly, even in adverse weather conditions.
- **Power over Ethernet (PoE):** IEEE 802.3af/at compliant, allowing both power and data transmission through a single Ethernet cable, simplifying installation.
- **Efficient Video Compression:** Utilizes H.265+/S+265 encoding to reduce bandwidth and storage requirements by up to 75% compared to older standards, facilitating smooth remote viewing.

**5MP HD**  
**See It Clearly Day & Night**

**5MP**  
2880x1660



Image 3.1: 5MP Super HD Resolution for clear day and night viewing.

3K Ultra HD Resolution—Capture Every Detail



Image 3.2: Visual comparison of 1080P and 5MP resolution clarity.

**2.8mm Wide-angle Provide Wider View,  
Cover More Monitoring Area.**



Image 3.3: Wide-angle view coverage from the camera.

Wide-Angle View + 30m Night Vision = 24/7 Protection



Image 3.4: Night vision capability providing 24/7 protection.

**IP67 Weatherproof,  
Resistant High-Low Temperature,  
Adapt to Various Extreme Temperature.**



**IP67**  
Weatherproof



**+60 °C/+140 °F**  
Hot Rating



**-30 °C/-22 °F**  
Cold Rating

Image 3.5: IP67 Weatherproof design for outdoor use.



Image 3.6: BLC, 3D DNR, HLC for improved image quality.



Image 3.7: Built-in microphone for audio capture.



Image 3.8: S+265 encoding for efficient storage and bandwidth.

## 4. SETUP AND INSTALLATION

### 4.1 Mounting the Camera

The SANNCE I51EP camera is designed for wall mounting. Choose a location that provides the desired field of view and is within reach of your network cable.

- 1. Prepare the Mounting Surface:** Use the provided mounting template (if applicable) or the camera base to mark the drill holes on the wall.
- 2. Drill Holes:** Drill pilot holes at the marked positions. Insert the wall plugs into the holes if mounting on masonry.
- 3. Secure the Camera:** Align the camera base with the drilled holes and secure it using the provided screws. Adjust the camera angle as needed.

### 4.2 PoE Connection

This camera utilizes Power over Ethernet (PoE) for both power and data transmission, requiring only a single Ethernet cable.

- 1. Connect Ethernet Cable:** Connect one end of an Ethernet cable (Cat5e or higher) to the camera's RJ45 port.
- 2. Apply Waterproof Kit:** For outdoor installations, use the included waterproof kit to protect the Ethernet connection from moisture.
- 3. Connect to PoE Device:** Connect the other end of the Ethernet cable to a PoE-enabled NVR, PoE switch, or PoE injector. Ensure the PoE device meets IEEE 802.3af/at standards.
- 4. Power On:** Once connected to a powered PoE device, the camera will automatically power on.

## POE Power Supply, One Internet Cable Both Transmit Data & Power, Easy to Use



Image 4.1: Simplified installation with PoE, transmitting data and power via one cable.

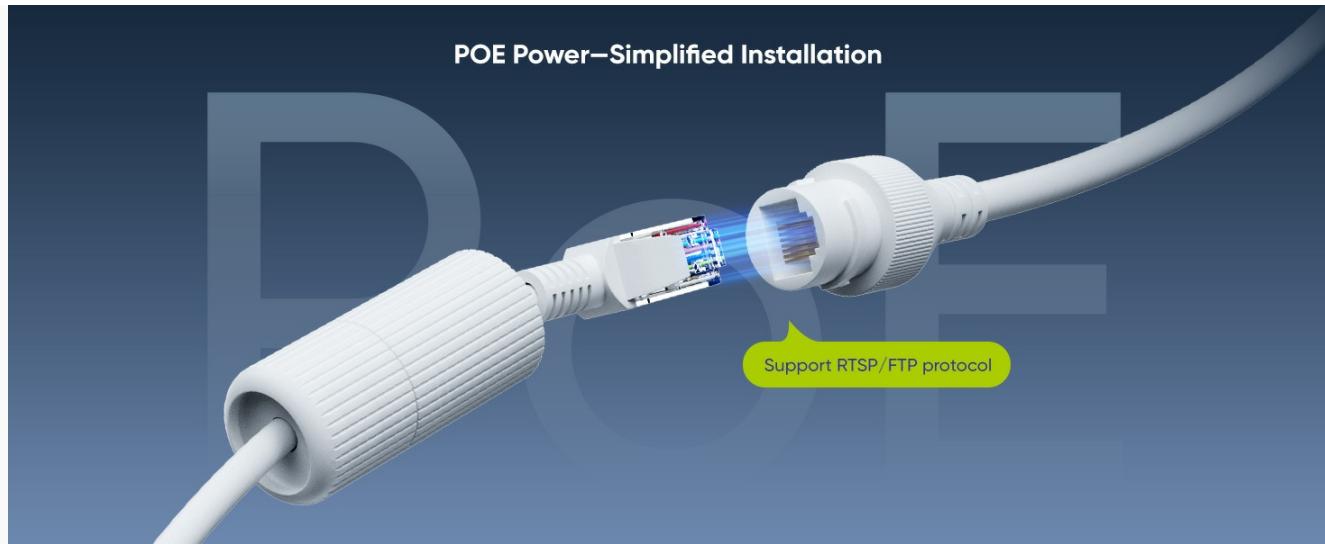


Image 4.2: PoE connection detail, highlighting simplified installation.

## 4.3 Initial Configuration

After physical installation, you will need to configure the camera using a compatible NVR or the SANNCE mobile application.

1. **NVR Connection:** If connecting to a SANNCE NVR, the camera should be automatically detected. Refer to your NVR's manual for adding IP cameras.
2. **Mobile App Setup:** Download the SANNCE Life app from the Google Play Store or Apple App Store. Follow the in-app instructions to add your camera by scanning the QR code or manually entering its details.

## 5. OPERATING INSTRUCTIONS

### 5.1 Live View and Recording

Access live video feeds and manage recordings through your NVR interface or the SANNCE Life app.

- **Live Monitoring:** View real-time footage from your camera(s) on your connected display or mobile device.
- **Continuous Recording:** The camera, when connected to an NVR, can record continuously based on your NVR's settings.
- **Event Recording:** Recordings can be triggered by smart motion detection (human/vehicle detection), saving storage space and making event review more efficient.

## Supports Human & Vehicle Detection Playback, Improve Playback Efficiency.



Image 5.1: Human and vehicle detection playback interface on a smartphone.

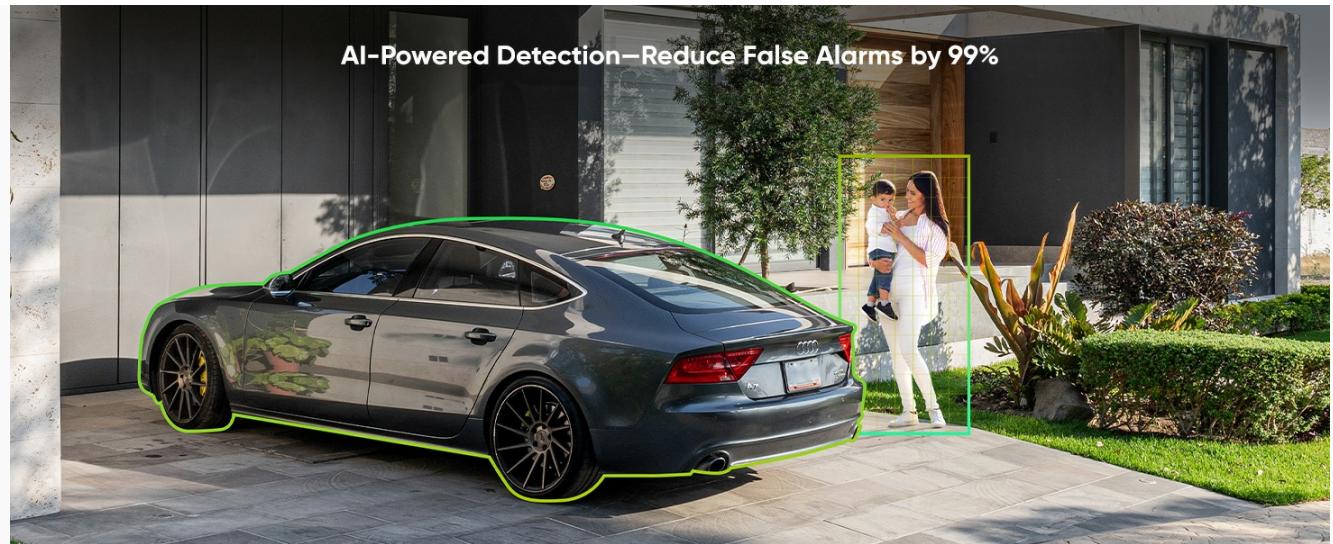


Image 5.2: AI-powered detection reducing false alarms.

## 5.2 Remote Access

The SANNCE Life app allows you to monitor your property from anywhere with an internet connection.

- **Real-time Viewing:** Access live feeds on your smartphone, tablet, or computer.
- **Playback:** Review recorded footage remotely.
- **Notifications:** Receive instant alerts for detected events.

# Remote Preview & Playback Anytime, Anywhere, Control Security Instantly.



Image 5.3: Remote preview and playback via the SANNCE Life app.

# Supports Multi-Device Login & View Simultaneously

(Smartphone, Tablet, Computer, etc.)



Image 5.4: Multi-device login and simultaneous viewing support.



Image 5.5: Remote access and multi-layer security features.

### 5.3 Customization

Configure camera settings to suit your specific surveillance needs.

- **Detection Zones:** Define specific areas within the camera's view where motion detection should be active.
- **Privacy Masking:** Create blacked-out areas to exclude private spaces from recording.
- **Image Settings:** Adjust brightness, contrast, saturation, and other image parameters.

## 6. MAINTENANCE

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

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners that could scratch the lens.
- **Cable Inspection:** Check all cable connections for wear, damage, or loose fittings, especially for outdoor installations.
- **Firmware Updates:** Check the SANNCE website or app for available firmware updates to ensure your camera has the latest features and security enhancements.
- **Environmental Checks:** Ensure the camera's operating temperature remains within the specified range (-22°F to 140°F).

## 7. TROUBLESHOOTING

If you encounter issues with your SANNCE camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image/video feed	No power; faulty Ethernet cable; incorrect network settings.	Ensure PoE device is powered and functioning. Check Ethernet cable for damage and proper connection. Verify camera's IP address and network settings.
Poor image quality	Dirty lens; low bandwidth; incorrect resolution settings.	Clean the camera lens. Ensure sufficient network bandwidth. Adjust resolution settings in the camera's configuration.

Problem	Possible Cause	Solution
Motion detection not working or too many false alarms	Incorrect sensitivity settings; detection zones not configured; environmental factors (e.g., moving branches).	Adjust motion detection sensitivity. Configure specific detection zones and privacy masks. Ensure human/vehicle detection is enabled if desired.
Cannot access camera remotely	Network connectivity issues; incorrect app settings; firewall blocking.	Verify your internet connection. Ensure the SANNCE Life app is correctly configured and updated. Check router/firewall settings to allow camera access.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	I51EP
Video Capture Resolution	5MP (2880x1620)
Image Sensor	1/2.7" Progressive Scan CMOS
Lens	4mm
Night Vision Range	Up to 100ft (30m) with Dual IR Arrays
Video Compression	H.265+/S+265
Audio	Built-in Microphone
Detection	Human/Vehicle Detection
Weatherproof Rating	IP67
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Power Source	PoE (IEEE 802.3af/at)
Connectivity Technology	PoE
Mounting Type	Wall Mount
Product Dimensions	5 x 6 x 2 inches
Item Weight	3.7 pounds

## 9. SUPPORT INFORMATION

For further assistance, technical support, or warranty inquiries, please visit the official SANNCE website or contact their customer service.

**SANNCE Official Store:** [Visit SANNCE Store on Amazon](#)

Please retain your purchase receipt for warranty purposes.

## Related Documents - I51EP

 <p>Quick Start Guide (EN/DE)</p> <p>Create a Smarter &amp; Safer World</p>	<p><b>Sannce NVR Quick Start Guide</b></p> <p>A quick start guide for Sannce NVR systems, covering connection diagrams, setup wizards, system settings, and remote access via mobile phones and computers. Includes instructions for language settings, network setup, date and time configuration, storage management, camera preview, password setup, app download, video detection, email settings, video playback, and adding wireless cameras.</p>
 <p>Network Video Recorder User Manual</p> <p></p>	<p><b>SANNCE Network Video Recorder User Manual</b></p> <p>Comprehensive user manual for the SANNCE Network Video Recorder (NVR), detailing setup, operation, and system settings for smart home security.</p>
 <p>Quick Start Guide (EN/DE/FR/IT/ES)</p> <p>Create a Smarter &amp; Safer World</p>	<p><b>SANNCE N48WHE Quick Start Guide: Installation and Setup</b></p> <p>A concise guide to installing and setting up your SANNCE N48WHE security camera system, covering connection diagrams, camera addition, safety instructions, and regulatory information.</p>
	<p><b>SANNCE NVR N48PBE and IP Camera I51BE Technical Specifications</b></p> <p>Detailed technical specifications for the SANNCE NVR model N48PBE and IP Camera model I51BE, covering video and audio features, storage, connectivity, camera sensor details, environmental ratings, and physical dimensions.</p>
 <p>SANNCE ACH 1080p Full HD Security Camera System</p> <p>1080p Stream, Recording and Playback</p> <p>1080p HD 720p HD</p> <p>Large 10.1 Inch LCD Display</p>	



## [SANNCE 4-Channel 1080p Full HD Security Camera System with 10.1" LCD Monitor](#)

Comprehensive details on the SANNCE 4-channel 1080p Full HD security camera system, featuring a 10.1" LCD monitor, ONVIF compatibility, EXIR 2.0 night vision, IP66 waterproofing, and smart motion alerts for remote access and monitoring.

HD Camera	
Video Resolution	1080P (1920*1080@30fps)
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.01 Lux (F1.2, 1/30s, AGC On)
Number of IR LEDs	12
IR Distance	10-150ft
Day/Night	True Day/Night
IP66	Yes
Waterproof	Yes
Weatherproof	Yes
Power	DC 12V
Power Consumption	≤ 10W
Dimensions (W x H x D)	4.5" x 3.5" x 1.5"
Weight	0.5kg

## [SANNCE HD Camera C51EQ - Technical Specifications](#)

Detailed technical specifications for the SANNCE HD Camera, Model C51EQ, covering camera features such as video resolution, image sensor, night vision, and general attributes like weatherproof rating, dimensions, and operating conditions.

