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FOSCAM SPC

FOSCAM SPC 2K/4MP Outdoor WiFi Security Camera User Manual

Model: SPC | Brand: FOSCAM

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your FOSCAM SPC 2K/4MP Outdoor WiFi Security Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. This camera is designed for outdoor surveillance, offering high-resolution video, advanced detection features, and robust weather resistance.

2. PRODUCT OVERVIEW

The FOSCAM SPC camera is a high-performance outdoor security solution featuring 2K/4MP video resolution, dual-band WiFi connectivity, and a 121° wide viewing angle. It includes a built-in spotlight and siren for active deterrence, color night vision, and AI human detection to minimize false alarms.

Key Features:

- **2K/4MP HD Video:** Delivers clear video at 25 frames per second.
- **121° Wide Viewing Angle:** Provides extensive coverage without blind spots.
- **Dual-Band WiFi:** Supports both 2.4G and 5G networks for stable connection.
- **Color Night Vision:** Offers full-color video up to 33ft in low-light conditions.
- **Active Deterrence:** Features a 110dB siren and bright spotlight, triggerable manually or by detection.
- **AI Human Detection:** Reduces false alarms by distinguishing human shapes from other moving objects.
- **PIR Sensor:** Passive Infrared sensor for enhanced motion detection.
- **2-Way Audio:** Built-in microphone and speaker for real-time communication.
- **IP66 Weatherproof:** Designed to withstand various outdoor weather conditions.
- **Smart Home Compatibility:** Works with Alexa.

Components:

- FOSCAM SPC Security Camera
- 110V-240V US Power Adapter
- Mounting Accessories (not explicitly detailed, but implied by 'mounting base' in reviews)

4MP Resolution

2K QHD video resolution at 25fps



720P



2K QHD



1080P

Figure 2.1: FOSCAM SPC 2K/4MP Outdoor WiFi Security Camera. This image shows the overall design of the camera.



Figure 2.2: 4MP Resolution Comparison. Illustrates the clarity of 2K QHD video compared to 720p and 1080p resolutions.



Figure 2.3: FOSCAM SPC Color Night Vision. Demonstrates the camera's ability to capture full-color video at night.

Active Deterrents

110db siren alarm and spotlight included. Alarms and spotlight can be triggered manually or by detection



Figure 2.4: FOSCAM SPC Active Deterrents. Shows the camera's spotlight and siren activating to deter intruders.

Active 2.4g/5g Dual Band Compatible

Never need to worry about lags with Powerful 2.4/5Ghz Dual Band WiFi chipset



Figure 2.5: FOSCAM SPC Dual Band WiFi. Illustrates the camera's compatibility with both 2.4GHz and 5GHz WiFi networks.



Figure 2.6: FOSCAM SPC 121 Degree Wide Angle Lens. Depicts the broad field of view provided by the camera.



Figure 2.7: FOSCAM SPC IP66 Weatherproof. Shows the camera's resistance to heat, rain, and cold weather conditions.



Figure 2.8: FOSCAM SPC Human Detection. Highlights the camera's ability to detect human figures.



Figure 2.9: FOSCAM SPC Customizable Detection Zones. Illustrates the feature allowing users to define specific areas for motion detection.



Figure 2.10: FOSCAM SPC 2-Way Audio. Shows the camera's two-way communication capability.



Figure 2.11: FOSCAM SPC Cloud Service. Depicts the cloud storage option for video recordings.

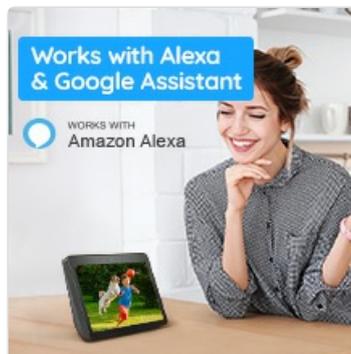


Figure 2.12: FOSCAM SPC Works with Smart Device. Shows compatibility with smart home systems like Alexa.

3. SETUP

3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the 'Components' section are present and undamaged. If any items are missing or damaged, contact FOSCAM support immediately.

3.2 Powering the Camera

1. Connect the provided 110V-240V US power adapter to the camera's power input port.
2. Plug the adapter into a standard electrical outlet. The camera will power on and initiate its startup sequence.

3.3 App Installation and Account Creation

1. Download the official Foscam APP from your mobile device's app store (iOS App Store or Google Play Store).
2. Open the Foscam APP and follow the on-screen instructions to create a new account or log in if you already have one.

3.4 Connecting to Wi-Fi

1. In the Foscam APP, tap the '+' icon to add a new device.
2. Select your camera model (SPC) and follow the in-app instructions to connect the camera to your 2.4GHz or 5GHz Wi-Fi network. Ensure your mobile device is connected to the same Wi-Fi network during setup.

3.5 Mounting the Camera

The FOSCAM SPC camera is designed for wall mounting. For optimal performance and detection, consider the following:

- **Recommended Installation Height:** Approximately 7.2 feet (2.2 meters) from the ground.
- **Vertical Inclination:** Position the camera with a vertical inclination of 25°-30° for best coverage.
- Use the provided mounting base and screws to securely attach the camera to a stable surface.
- Ensure the camera's field of view covers the desired surveillance area and is free from obstructions.



Figure 3.1: FOSCAM SPC Camera Installation. Illustrates the recommended mounting height and angle for the camera.

4. OPERATING INSTRUCTIONS

4.1 Live View and Playback

Access the Foscam APP to view live video streams from your camera. You can also review recorded footage stored on a microSD card, Network Video Recorder (NVR), or Foscam Cloud (subscription may be required).

4.2 Two-Way Audio

Utilize the two-way audio feature through the Foscam APP to speak to visitors or deter unwanted individuals. Tap the microphone icon in the live view to transmit your voice and listen through the camera's speaker.

4.3 Motion and Human Detection

The camera supports various detection modes:

- **AI Human Detection:** Focuses on human shapes to reduce false alarms from pets or moving objects.
- **Motion Only:** Detects any movement within the camera's field of view.
- **Sound Detection:** Triggers alerts based on detected sounds.

Configure detection sensitivity and alert notifications within the Foscam APP settings.

4.4 Customizable Detection Zones

Define specific areas within the camera's view where detection should be active. This helps to focus surveillance on critical areas and ignore irrelevant movements, further reducing false alarms.

4.5 Active Deterrence (Spotlight & Siren)

The built-in spotlight and 110dB siren can be activated manually via the Foscam APP or configured to trigger automatically upon detection events. This feature serves as a visual and audible deterrent.

4.6 Color Night Vision

The camera automatically switches to color night vision mode in low-light conditions, providing clear, full-color video footage up to 33 feet.

4.7 Smart Home Integration

The FOSCAM SPC camera is compatible with Amazon Alexa. Follow the instructions in the Foscam APP or Alexa app to link your camera and control it using voice commands.

5. MAINTENANCE

5.1 Cleaning the Camera

Periodically clean the camera lens and housing with a soft, damp cloth to remove dust, dirt, or water spots that may affect image quality. Do not use harsh chemicals or abrasive cleaners.

5.2 Firmware Updates

Regularly check for and install firmware updates through the Foscam APP. Firmware updates often include performance improvements, new features, and security enhancements.

5.3 Power Supply Check

Ensure the power adapter and cable are free from damage and securely connected to both the camera and the power outlet. A stable power supply is crucial for continuous operation.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Camera not powering on	Power adapter not connected or faulty; power outlet issue.	Check power connections. Try a different power outlet. Ensure the adapter is functioning correctly.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password; camera too far from router; router settings.	Verify Wi-Fi password. Move camera closer to the router. Ensure your router supports 2.4G/5G and settings are compatible. Restart router and camera.
Poor video quality	Dirty lens; weak Wi-Fi signal; insufficient bandwidth.	Clean the camera lens. Improve Wi-Fi signal strength (e.g., use a mesh network or repeater). Reduce network congestion.
Frequent false alarms	High motion sensitivity; environmental factors (e.g., trees, shadows).	Adjust motion detection sensitivity in the Foscam APP. Utilize AI Human Detection. Set up customized detection zones to exclude irrelevant areas.
Delayed recording or alerts	Network latency; camera processing delay.	Ensure a strong and stable Wi-Fi connection. Check network speed. Update camera firmware.
NVR not showing video	NVR compatibility or configuration issue.	Ensure NVR support is enabled in the Foscam APP. Consult Foscam support for specific NVR integration steps.

If the problem persists after trying these solutions, please contact FOSCAM customer support for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the FOSCAM SPC 2K/4MP Outdoor WiFi Security Camera:

Feature	Specification
Model Name	FOSCAM SPC
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	4 MP (2K QHD)
Effective Video Resolution	1080p (also supports 2K QHD)
Frame Rate	25fps
Viewing Angle	121 Degrees
Connectivity Technology	Wireless (Wi-Fi)
Wireless Communication Technology	Wi-Fi (2.4G & 5G Dual Band)
Connectivity Protocol	Wi-Fi
Power Source	AC 110v Corded Electric
Voltage	12 Volts
Wattage	12 watts

Feature	Specification
Controller Type	Foscam APP
Compatible Devices	Alexa
Mounting Type	Wall Mount
International Protection Rating	IP66
Material	Aluminum
Color	White
Item Dimensions (L x W x H)	6.7 x 3 x 3 inches
Item Weight	14.1 ounces (400 Grams)
Night Vision Range	33 Feet
Low Light Technology	Night Color
Alert Type	Human Detection, Motion Only, Sound Detection
Included Components	110V-240V US Adapter Included

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official FOSCAM website. If you require technical assistance, troubleshooting, or have questions regarding your FOSCAM SPC camera, please contact FOSCAM customer support. Contact details can typically be found on the FOSCAM website or within the Foscam APP.