

SV3C HX02

SV3C 8MP 2.4/5G Wireless Outdoor PTZ Camera User Manual

Model: HX02 | Brand: SV3C

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SV3C 8MP 2.4/5G Wireless Outdoor PTZ Camera (Model: HX02). Please read this manual carefully before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High-Performance 8MP Camera with PTZ:** Features an 8-megapixel Full HD lens for clear and smooth video. Offers horizontal 320-degree pan and vertical 180-degree tilt adjustment via smartphone app for comprehensive, blind-spot-free monitoring.
- **AI Human Detection, Auto-Tracking, and Light Deterrent:** Equipped with a human detection sensor, allowing for human-only detection if desired. When human or object movement is detected, the camera automatically starts recording and tracks the subject. The sensor light illuminates at night to deter intruders. Abnormal activity notifications are sent to your smartphone or tablet via the app.
- **Color Night Vision and Dual-Band 2.4/5GHz Wi-Fi Support:** Integrates both infrared LEDs and white LEDs for clear color surveillance even in complete darkness. Supports both wired and wireless (2.4GHz and 5GHz) Wi-Fi connections.
- **Outdoor Installation (IP66) and Expandable System:** Constructed from aluminum alloy, with an IP66 dustproof and waterproof rating, ensuring durability in various weather conditions. The C11 outdoor security camera allows simultaneous viewing of up to 6 devices and can be expanded to include up to 64 SV3C HX series security cameras.
- **Two-Way Audio, PC Compatibility, and Versatile Applications:** Built-in microphone and speaker enable remote monitoring of surrounding sounds and two-way communication. Supports PC monitoring via the HiP2P Client software. Ideal for various scenarios including vehicle monitoring, garden security, store surveillance, childcare, and

elderly care, both indoors and outdoors.

2.2 Product Components

The following image illustrates the main components of the SV3C HX02 camera.



Figure 1: SV3C HX02 Camera Components. This diagram labels the antenna, aluminum casing, 8 IR lights, 8MP 3.6mm lens, SD card slot, speaker, microphone, power port, LAN port, and reset button.

The package includes the camera unit, power adapter, and screw set for installation.

3. SETUP

3.1 Initial Setup and App Installation

1. Download and install the dedicated app (Camhi/Camhipro) on your smartphone or tablet (iOS/Android).
2. Power on the camera.
3. Open the app and follow the on-screen instructions to add the camera. This typically involves scanning a QR code on the camera.

Video 1: QR Code Connection Guide. This video demonstrates the process of connecting the camera to the app using a QR code for initial setup.

3.2 Wi-Fi Connection

The camera supports both 2.4GHz and 5GHz Wi-Fi bands. Ensure your router is compatible and select the appropriate band during setup for optimal performance. For environments without a network, AP mode is supported.



Figure 2: Dual-Band 2.4/5GHz Wi-Fi Support. This image illustrates the camera's compatibility with both 2.4GHz (longer range) and 5GHz (faster speed) Wi-Fi networks.

3.3 Mounting the Camera

The camera is designed for wall-mount installation using screws. Ensure the mounting location provides a clear view and stable support. The camera's aluminum construction and IP66 rating make it suitable for outdoor use.



Figure 3: Wall Mounting Example. The camera is shown securely mounted on an exterior wall, ready for surveillance.

4. OPERATING INSTRUCTIONS

4.1 PTZ Control

From the smartphone app, you can remotely adjust the camera's viewing angle. The camera supports a horizontal pan of 320 degrees and a vertical tilt of 180 degrees. This allows you to monitor a wide area with a single camera.

夜間カラー撮影可能



発光威嚇



音声通知



赤外線モード カラーモード



スマートモード



Figure 4: PTZ (Pan/Tilt/Zoom) Functionality. This image demonstrates the camera's ability to rotate horizontally and vertically, covering a

large area.

4.2 AI Detection and Auto-Tracking

The camera features AI human detection and auto-tracking. When movement of a person, vehicle, or pet is detected, the camera automatically begins recording and adjusts its lens to follow the subject. You can customize detection areas, sensitivity, and operating times through the app to prevent false alarms.

4K 800万画素超高画質撮影

4K

3840*2160

8pcs

赤外線&センサー
ライト

30M

暗視距離

4K

1080p

Figure 5: AI Human and Pet Detection. The camera identifies and highlights humans and pets within its field of view.

スマートAI検知と 自動追跡機能

人物、車両、ペットなどを検知した時、
レンズの向きが変わる自動追跡機能が動
作します。



Figure 6: Automatic Tracking Feature. The camera follows detected movement, ensuring continuous surveillance of the subject.

4.3 Night Vision Modes

The camera offers three night vision modes: Infrared Mode (black and white), Full Color Mode (using white LEDs), and Smart Mode (switches between infrared and color based on detection). This ensures clear surveillance images day and night.



Figure 7: Night Vision Modes. The camera provides clear visibility in low-light conditions through various night vision settings.

4.4 Two-Way Audio

With the built-in microphone and speaker, you can listen to the camera's surroundings and communicate with people near the camera through the app. This feature is useful for interacting with visitors or deterring intruders.

双方向通話可能



Figure 8: Two-Way Audio Communication. This image illustrates the ability to speak and listen through the camera using a smartphone.

Video 2: App Features. This video highlights the user-friendly interface and various functionalities of the camera's companion app, including two-way audio.

4.5 Recording and Storage

The camera supports continuous 24-hour recording. Video footage can be stored on a Micro SD card (up to 128GB, sold separately) or via cloud storage (paid service, motion detection recordings only). It is also compatible with NVR systems.

24時間録画可能 録画機なしでも録画可能



最大容量

128GB



Micro SD Card (別途購入必要)



NVR対応



FTP転送可能



Figure 9: Recording and Storage Options. The camera supports Micro SD card storage, NVR systems, and FTP for flexible recording solutions.

4.6 PC Monitoring

In addition to smartphone and tablet apps, you can monitor the camera feed on your PC by downloading the HiP2P Client

software.

いつでもどこでも 無料で閲覧

アプリCamHi/CamHipro、ソフトHiP2P Clientを利用すると、外出からでも遠隔でライブ映像の確認や各項目の設定は可能です。

iPhone | iPad | Mac | Windows | Androld
ISpy | Blue Iris | Support onvif NVR | VLC

Figure 10: Multi-Platform Access. The camera can be accessed and monitored from various devices, including PCs, smartphones, and tablets.

5. MAINTENANCE

The SV3C HX02 camera is designed for outdoor use with an IP66 waterproof and dustproof rating. Regular cleaning of the lens with a soft, dry cloth is recommended to maintain optimal image clarity. Ensure all cable connections are secure and protected from moisture.

6. TROUBLESHOOTING

- **Wi-Fi Connection Issues:** If the Wi-Fi connection is unstable, especially in environments with thick walls (e.g., steel-frame houses), consider using a Wi-Fi repeater to extend the signal range.
- **FTP Storage Changes:** As of January 1, 2025, the FTP encryption method has changed. Files can no longer be saved to previous folders and can only be saved to the root directory. For detailed instructions and solutions, please refer to the official website (search for "HX Series-FTP manual folder creation method").
- **App Compatibility:** If you encounter issues with the app, ensure it is updated to the latest version. If you are upgrading from an older SV3C camera, note that the app might have changed, requiring a new app installation.

7. SPECIFICATIONS

Feature	Specification
Recommended Use	Home Security, Motion Detection
Brand	SV3C
Connectivity Technology	Wi-Fi, Wired
Special Features	HD Resolution, PTZ Technology, Motion Sensor, Built-in Light, Two-Way Audio
Indoor/Outdoor Use	Indoor, Outdoor
Compatible Devices	NVR, Smartphone, Tablet, PC

Feature	Specification
Power Source	Corded Electric
Connection Protocol	Ethernet, Wi-Fi
Mounting Type	Wall Mount (Screw-in)
Video Capture Resolution	4K (8MP)
Product Exterior Material	Aluminum
Waterproof Type	Waterproof (IP66)
Wireless Type	Wi-Fi (2.4GHz/5GHz)
Digital Zoom Ratio	5x
Product Dimensions	17 x 11.5 x 20 cm
Model Number	HX02
Video Capture Format	H.265
Night Vision	Color Night Vision

8. WARRANTY AND SUPPORT

SV3C is committed to providing reliable after-sales service. For any questions, technical support, or warranty claims, please contact SV3C customer support through the official website or your purchase platform. Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

Open the live page

<https://manuals.plus/asin/B0D46NVL24>

More documents and user manuals: <https://manuals.plus/>