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SCS Sentinel PVS0009

SCS Sentinel AirVisio 200 Wireless Video Intercom User Manual

Model: PVS0009

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your SCS Sentinel AirVisio 200 Wireless Video Intercom system. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

2. Safety Instructions

- Ensure all power sources are disconnected before performing any installation or maintenance.
- Do not expose the outdoor unit to direct water jets or immerse it in water.
- Use only the specified power adapter for the monitor.
- Keep the product away from high temperatures, humidity, and direct sunlight.
- Do not attempt to repair or modify the device yourself. Contact qualified personnel for service.
- Ensure proper ventilation for all components.

3. Package Contents

Verify that all items listed below are present in your package:

- 1 x Wireless Monitor (Indoor Unit)
- 1 x Outdoor Unit (Door Station)
- 1 x AC Power Adapter for Monitor
- Mounting Hardware (screws, wall plugs)
- Installation and User Manual

4. Product Overview

4.1. System Components

The SCS Sentinel AirVisio 200 system consists of an indoor monitor and an outdoor unit, designed for wireless communication.



Image 1: SCS Sentinel AirVisio 200 Wireless Video Intercom system, displaying the indoor monitor and outdoor unit.



Image 2: Overview of key features for the AirVisio 200 system.

4.2. Indoor Monitor

The indoor monitor features a 4.3-inch (11 cm) color screen with sensitive touch keys for hands-free operation. It is powered by a 1.5V DC 0.8A AC adapter and includes a 2500 mAh rechargeable battery for portable use. The monitor has an internal 8MB memory for photos and supports a Micro SD card (4GB-32GB Class 4-10, not included) for video recording. It allows remote control of door/gate opening and offers 5 selectable melodies.



Image 3: Side view of the indoor monitor with its stand.

4.3. Outdoor Unit

The outdoor unit features an aluminum facade with a backlit nameplate and night vision capabilities. It includes a protective visor and anti-vandal screws for enhanced security. The camera offers a 90° view angle. The unit has an IP44 protection rating, making it suitable for outdoor installation. It connects via a 2-wire system (maximum 100m) and can be powered by 2 LR14 batteries (not included) or a 9-12V DC transformer (not included).



Image 4: Outdoor unit installed on a wall.

5. Installation

5.1. Site Selection

Choose a location for the outdoor unit that provides a clear view of visitors and is protected from direct heavy rain. The recommended height is approximately 1.5 meters from the ground. For the indoor monitor, select a central location within the home to maximize wireless range and accessibility.

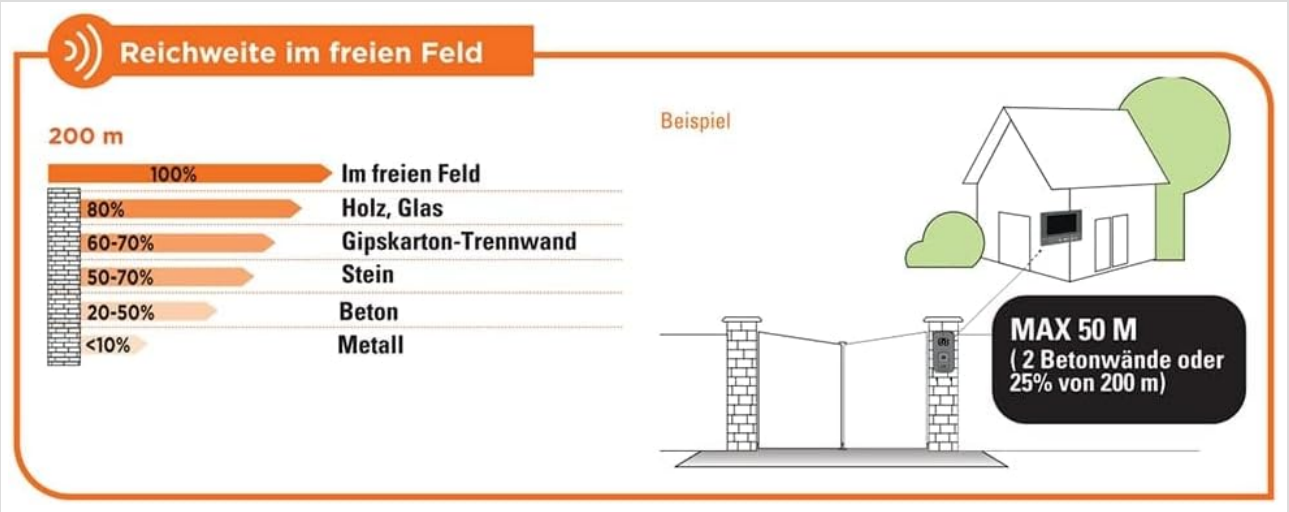


Image 5: Wireless range considerations based on obstacles.

5.2. Outdoor Unit Installation

1. **Prepare Wiring:** If connecting to an electric strike or gate, ensure a 2-wire connection (max 100m) is available. For power, decide between 2 LR14 batteries (not included) or a 9-12V DC transformer (not included).
2. **Mounting:** Use the provided mounting hardware to securely attach the outdoor unit to a wall or gate post. Ensure the protective visor is correctly positioned.
3. **Power Connection:** Insert LR14 batteries or connect the 9-12V DC transformer.
4. **Nameplate:** Insert your name into the backlit nameplate slot.

5.3. Indoor Monitor Installation

1. **Charging:** Connect the monitor to the AC power adapter and charge it fully before first use.
2. **Placement:** Place the monitor on a flat surface using its integrated stand or mount it on a wall using appropriate hardware (not included for wall mounting).
3. **Power:** For normal operation, keep the monitor connected to the AC power adapter. The rechargeable battery provides portability for up to 12 hours in standby mode.

6. Operation

6.1. Answering a Call

When a visitor presses the call button on the outdoor unit, the indoor monitor will ring and display the visitor's image. Press the 'Answer' button on the monitor to establish two-way communication.

6.2. Door/Gate Release

During a call, or when viewing the outdoor unit, press the 'Unlock' button on the monitor to remotely open an electric strike or motorized gate (requires a 12V DC 1A transformer, not supplied, for electric strike connection).

6.3. Photo and Video Recording

- **Automatic Recording:** The system can automatically capture photos or videos of visitors when you are away.
- **Photo Storage:** Photos are stored in the monitor's internal 8MB memory.
- **Video Storage:** For video recording, insert a Micro SD card (4GB-32GB Class 4-10) into the monitor's slot. The card is not included.

6.4. Monitor Settings

Use the touch keys on the monitor to navigate through settings such as melody selection (5 options), volume adjustment, and viewing recorded photos/videos.

7. Maintenance

- **Cleaning:** Clean the monitor screen and outdoor unit camera lens with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Outdoor Unit):** If using LR14 batteries, replace them when the low battery indicator appears on the monitor.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates for optimal performance.

8. Troubleshooting

Problem	Possible Cause	Solution
No image/sound on monitor	Monitor not powered or out of range. Outdoor unit batteries low.	Ensure monitor is connected to power. Move monitor closer to outdoor unit. Replace outdoor unit batteries or check transformer connection.
Poor wireless range	Obstacles (walls, metal structures) between units.	Relocate monitor or outdoor unit to minimize obstructions. Refer to range diagram in Section 5.1.
Door/gate release not working	Incorrect wiring or missing 12V DC 1A transformer.	Verify wiring connections. Ensure the required transformer is installed for the electric strike/gate.
Monitor battery drains quickly	Monitor not regularly connected to AC power.	Keep the monitor connected to the AC power adapter for normal, continuous use. The battery is for nomadic use.

9. Specifications

Feature	Detail
Model Number	PVS0009
Monitor Screen Size	4.3 inches (11 cm) color
Monitor Power	1.5V DC 0.8A (AC adapter), 2500 mAh rechargeable battery
Outdoor Unit Power	2 x LR14 batteries (not included) or 9-12V DC transformer (not included)
Outdoor Unit Connection	2-wire (max 100m) for gate/strike release
Outdoor Unit Protection Rating	IP44
Camera View Angle	90°

Feature	Detail
Wireless Range	Up to 200m in open field
Internal Memory	8MB for photos
External Memory Support	Micro SD card (4GB-32GB Class 4-10, not included) for videos
Expandability	Up to 2 additional monitors (PAP0011, PAP0016)
Dimensions (L x W x H)	2.1 x 21.5 x 21.5 cm (product)
Weight	1.57 Kilograms
Material	Aluminum (Outdoor Unit)

10. Warranty and Support

10.1. Warranty Information

The SCS Sentinel AirVisio 200 benefits from a **2-year warranty** against any manufacturing defects or material flaws, effective from the date of delivery or product availability. The warranty is valid only upon presentation of proof of purchase. The effect of this warranty is strictly limited to the replacement of parts exhibiting a clearly established manufacturing defect.

10.2. Technical Support

For technical assistance or support with the installation and use of your product, please contact SCS Sentinel technical support. Our technicians are available to provide informed and personalized advice.

Contact Information: Please refer to the contact details provided on the SCS Sentinel official website or in your product packaging for the most up-to-date support information.

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