

SCS Sentinel VisioDoor 7+ RFID

SCS Sentinel VisioDoor 7+ RFID Wired Video Intercom System User Manual

Model: VisioDoor 7+ RFID (PVF0042)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SCS Sentinel VisioDoor 7+ RFID Wired Video Intercom System. This system is designed to enhance home security and access control through its video monitoring and RFID access features.

The VisioDoor 7+ RFID system includes a 7-inch touchscreen indoor monitor and an outdoor station with a camera and RFID reader. It allows for visual identification of visitors, two-way communication, and remote control of door and gate opening mechanisms.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Ensure the power supply is disconnected before performing any installation or maintenance.
- Installation should be performed by a qualified electrician or technician if you are unsure about any steps.
- Do not expose the outdoor station to direct water jets or immerse it in water.
- Do not attempt to repair or modify the device yourself. Contact technical support for assistance.
- Use only the provided power adapter and accessories.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Indoor Monitor (7-inch touchscreen)
- 1 x Outdoor Station (with camera and RFID reader)
- 1 x Power Adapter for Indoor Monitor
- 1 x Wall Mount Bracket
- 3 x User RFID Badges

- 1 x RFID Addition Badge
- 1 x RFID Deletion Badge
- Mounting Screws and Wall Plugs
- User Manual (this document)



Image: A set of five RFID badges, including orange (addition), black (deletion), and three grey (user) badges, all branded "SCS Sentinel". These badges are used for convenient access control.

4. INSTALLATION

4.1. General Wiring Guidelines

- The system uses a 2-wire connection between the indoor monitor and the outdoor station.
- Maximum cable length for the 2-wire connection is 100 meters.
- Ensure all connections are secure and insulated.

4.2. Outdoor Station Installation

The outdoor station is designed for outdoor use with an IP44 protection rating and features an anti-vandal screw system.

1. Choose a suitable location near your entrance (door or gate) at a height that allows visitors to be clearly seen by the camera (typically 1.4 to 1.6 meters from the ground).
2. Mount the protective visor (if separate) to the wall first, ensuring it provides adequate shelter for the outdoor station.
3. Secure the outdoor station to the wall using the provided screws and wall plugs. Ensure it is level.
4. Connect the 2-wire cable from the indoor monitor to the designated terminals on the outdoor station.
5. If connecting to an electric strike or gate motor, connect the appropriate wires to the outdoor station's gate/strike release terminals.
6. Insert the nameplate into its slot and ensure it is visible. The nameplate is backlit for night visibility.



Image: A hand holding an RFID badge near the outdoor station of the SCS Sentinel video intercom. The outdoor station features a camera, call button, and RFID reader, mounted on a wall next to a gate.

4.3. Indoor Monitor Installation

1. Choose a convenient indoor location for the monitor, away from direct sunlight or heat sources.
2. Mount the wall bracket using the provided screws and wall plugs.
3. Connect the 2-wire cable from the outdoor station to the corresponding terminals on the indoor monitor.
4. Connect the power adapter to the indoor monitor and then plug it into a standard electrical outlet.
5. Carefully attach the indoor monitor to the wall bracket.



Image: A hand interacting with the 7-inch touchscreen indoor monitor of the SCS Sentinel video intercom, which displays a live view of visitors at the outdoor station.

5. OPERATION

5.1. Basic Functions

- **Answering a Call:** When a visitor presses the call button on the outdoor station, the indoor monitor will ring and display the visitor's image. Touch the "Answer" icon on the screen to communicate.
- **Opening Door/Gate:** During a call or while viewing the outdoor station, touch the "Door Release" or "Gate Release" icon on the screen to open the connected door or gate.
- **Monitoring:** Touch the "Camera" icon on the main menu to view the outdoor station camera feed at any time.
- **Hands-Free Communication:** The monitor supports hands-free communication.



Image: The 7-inch touchscreen indoor monitor displaying its main menu with icons for photo, video, intercom, camera, settings, and power. A hand is shown interacting with the screen.

5.2. RFID Access Management

The VisioDoor 7+ RFID system allows access control using RFID badges.

1. Adding a User Badge:

- Present the orange "Addition" RFID badge to the outdoor station's RFID reader.
- Within 5 seconds, present a new user RFID badge (grey) to the reader. The system will confirm successful addition.
- Repeat for all user badges you wish to add.

2. Deleting a User Badge:

- Present the black "Deletion" RFID badge to the outdoor station's RFID reader.
- Within 5 seconds, present the user RFID badge you wish to delete to the reader. The system will confirm successful deletion.

3. **Using RFID for Access:** Present a programmed user RFID badge to the outdoor station's RFID reader to open the connected pedestrian gate or main gate (if motorized and connected).

5.3. Visitor Photo and Video Capture

The system can automatically capture photos or videos of visitors when you are away.

- **Photo Storage:** The indoor monitor has 14 MB of internal memory for storing visitor photos.
- **Video Recording:** For video recording, a micro SD card (not supplied) must be inserted into the indoor monitor.
- **Viewing Recordings:** Access the "Photo" or "Video" icons on the main menu of the indoor monitor to review captured images and footage.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the indoor monitor and outdoor station. Do not use abrasive cleaners or solvents.
- **Outdoor Station:** Periodically check the outdoor station for any obstructions to the camera or microphone. Ensure the protective visor is clean.
- **Wiring:** Regularly inspect wiring for any signs of damage or wear.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on indoor monitor.	Power not connected; faulty wiring; outdoor station camera issue.	Check power adapter connection. Verify 2-wire connection between monitor and outdoor station. Ensure outdoor station is not damaged.
No sound during communication.	Volume too low; faulty wiring; microphone/speaker issue.	Adjust volume settings on the monitor. Check 2-wire connection.
Door/gate does not open.	Incorrect wiring to strike/motor; strike/motor malfunction; insufficient power.	Verify wiring to the door strike or gate motor. Check the strike/motor's functionality independently. Ensure adequate power supply.
RFID badge not working.	Badge not programmed; faulty badge; RFID reader issue.	Ensure the badge has been correctly programmed using the addition badge. Try a different programmed badge.
Poor night vision.	Infrared sensor obstructed; excessive ambient light interference.	Clean the outdoor station camera lens and infrared sensors. Ensure no strong light sources are directly facing the camera at night.

8. SPECIFICATIONS

Model	VisioDoor 7+ RFID (PVF0042)
Brand	SCS Sentinel
Indoor Monitor Screen Size	7 inches (touchscreen)
Wiring Type	2-wire connection
Max. Cable Length	100 meters (between monitor and outdoor station)
Outdoor Station Features	Camera, RFID reader, Backlit nameplate, Night vision, Protective visor, Anti-vandal screws

Outdoor Station Viewing Angle	120°
Outdoor Station Protection Rating	IP44
Indoor Monitor Power Supply	1.5V DC 0.8A (via included AC adapter)
Internal Memory	14 MB (for photos)
Expandable Storage	Micro SD card slot (card not supplied, for video recording)
Melodies	5 selectable melodies
Product Dimensions (Monitor)	1.8 x 18.4 x 18.4 cm
Weight	1 Kilogram (total package weight)
Included Components	Indoor monitor, outdoor station, power adapter, wall mount, 5 RFID badges (3 user, 1 add, 1 delete), mounting hardware.
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The SCS Sentinel VisioDoor 7+ RFID system is covered by a **2-year warranty** from the date of delivery. This warranty covers defects in materials and manufacturing. To claim warranty service, proof of purchase is required. The warranty is limited to the replacement of parts with a clearly established manufacturing defect.

9.2. Technical Support

For technical assistance or questions regarding installation and operation, please contact SCS Sentinel technical support. Support is available to provide guidance and personalized advice.

Please refer to the official SCS Sentinel website for the most up-to-date contact information: www.scs-sentinel.com