

Fanvil i68

Fanvil i68 Face Recognition SIP Video Door Phone User Manual

Model: i68 | Brand: Fanvil

1. INTRODUCTION

The Fanvil i68 is an advanced Face Recognition SIP Video Door Phone designed for secure and efficient access control in various environments, including businesses, apartment complexes, and commercial buildings. It integrates cutting-edge technology to provide reliable security and seamless communication.

Key features of the Fanvil i68 include:

- **Advanced Face Recognition:** Authenticates users rapidly, even in low-light conditions.
- **8-Inch Touchscreen & HD Camera:** Offers an intuitive user interface and clear real-time video communication.
- **Outdoor-Ready Design:** IP66 waterproof and IK07 impact-resistant for durability in harsh environments.
- **Multiple Access Methods:** Supports face recognition, RFID card, PIN, and QR code unlocking for versatile access management.
- **Flexible Connectivity:** Supports Power over Ethernet (PoE), Wi-Fi, Bluetooth, and standard SIP systems for easy integration.

2. PHYSICAL OVERVIEW

Familiarize yourself with the components and interfaces of your Fanvil i68 device.



Figure 2.1: Fanvil i68 component overview. This diagram highlights key features such as the Light Strip for low-light operation, the 8-inch IPS touch screen display, the Card Reader for IC/ID cards, the Wide Angle Camera (2x2 Mpx with automatic lighting), the Heat Dissipation Design, and the High-Strength Material (ultra-clear tempered glass and high-wear aluminum alloy).

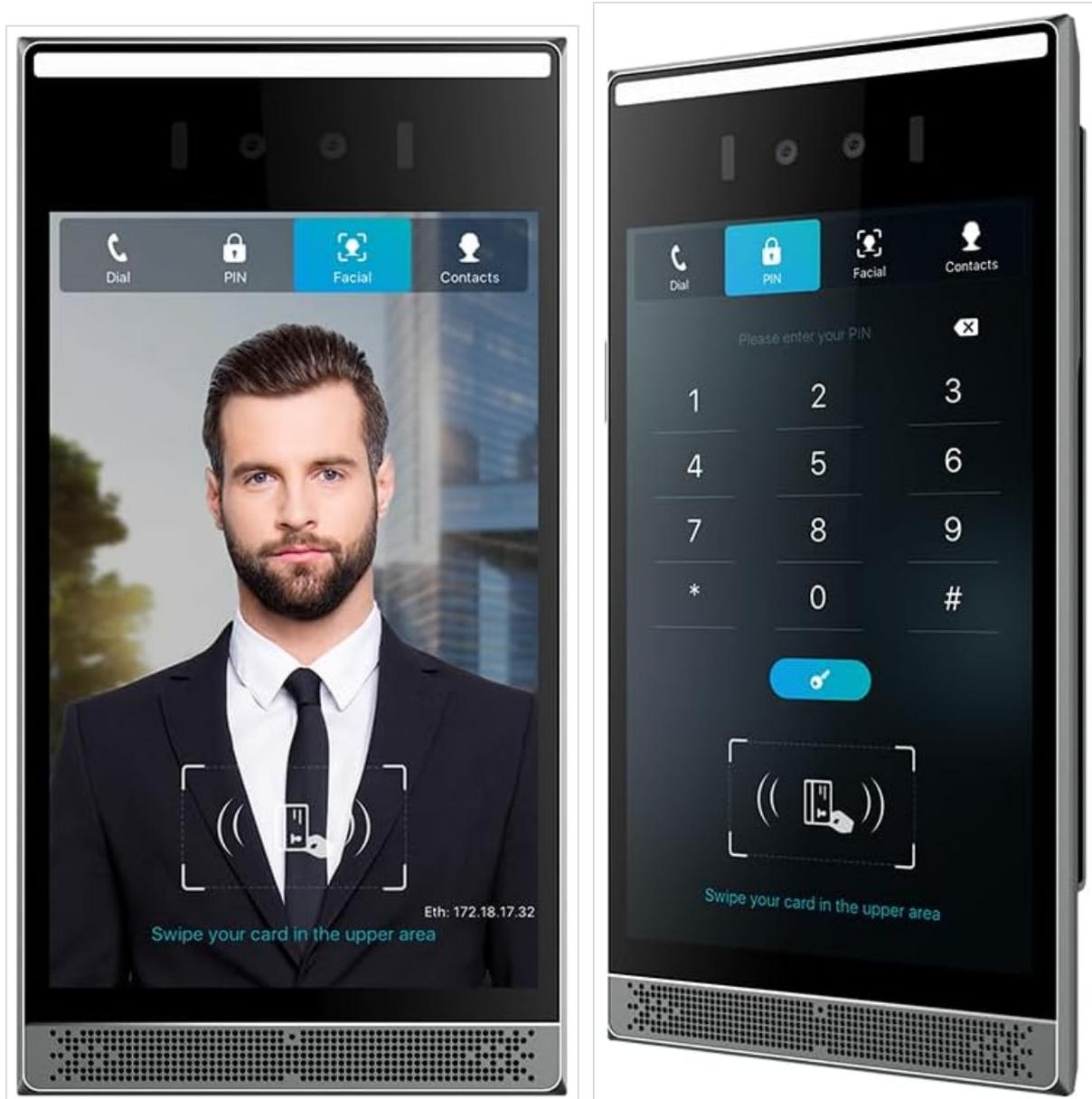


Figure 2.2: Left: The Fanvil i68 display showing the facial recognition interface, with options for Dial, PIN, Facial, and Contacts. Right: The device displaying the PIN entry keypad for access control.

3. SETUP AND INSTALLATION

The Fanvil i68 is designed for straightforward installation, supporting various connectivity options.

3.1. Mounting

Given its IP66/IK07 rating, the i68 is suitable for outdoor installation. Ensure the mounting surface is stable and provides adequate protection from direct impact, though the device itself is impact-resistant. Follow the included mounting template for precise drilling and secure attachment.

3.2. Power and Network Connection

The i68 supports Power over Ethernet (PoE), simplifying installation by delivering both power and network connectivity through a single Ethernet cable. Connect a standard Ethernet cable from a PoE-enabled switch or injector to the PoE port on the i68.

Alternatively, the device can be powered via a separate power adapter (not included, check specifications for voltage requirements) and connected to a network via a standard Ethernet cable or Wi-Fi.

3.3. Initial Configuration

Upon first boot, the device will initialize. Access the device's web interface via its IP address (which can be found on the device screen or through a network scanner) to perform initial SIP account registration, network settings (Wi-Fi configuration if not using PoE Ethernet), and basic access control setup.

- **SIP Registration:** Configure your SIP server details, user ID, and password to enable voice and video communication.
- **Network Settings:** Set up static IP or DHCP, and configure Wi-Fi if desired.
- **Time and Date:** Ensure correct time zone and synchronization for accurate logging.

4. OPERATION

The Fanvil i68 offers multiple methods for access control and communication.

4.1. Face Recognition Access

To use face recognition, stand directly in front of the device's camera. The i68 will automatically detect and authenticate your face. Ensure your face is clearly visible and not obstructed. The device can authenticate users in under 1 second, even in low-light conditions.

- **Enrollment:** Users must be enrolled in the system's facial database by an administrator.
- **Optimal Distance:** Maintain an optimal distance (typically 0.5 to 1 meter) from the camera for best recognition results.

4.2. RFID Card Access

Present your registered RFID card to the card reader area on the device. The i68 will read the card and grant access if it is authorized.

- **Card Enrollment:** RFID cards must be registered with the system by an administrator.
- **Placement:** Swipe or tap the card in the designated card reader area, usually indicated on the screen or device body.

4.3. PIN Code Access

On the touchscreen, select the PIN option. Enter your unique numeric PIN code using the on-screen keypad. Press the enter or unlock icon to submit the code.

- **PIN Management:** PIN codes are assigned and managed by the system administrator.
- **Security:** Avoid sharing your PIN code and change it periodically if allowed.

4.4. QR Code Access

If enabled, present a valid QR code to the device's camera. The i68 will scan the QR code and grant access based on its validity and permissions.

- **QR Code Generation:** QR codes are typically generated by the system for temporary or visitor access.

4.5. Video Communication

The i68 allows for real-time HD video communication. When a visitor initiates a call, the video feed will be transmitted to the designated indoor monitor or mobile application (e.g., Fanvil Link App). Users can view the visitor and communicate before granting access.

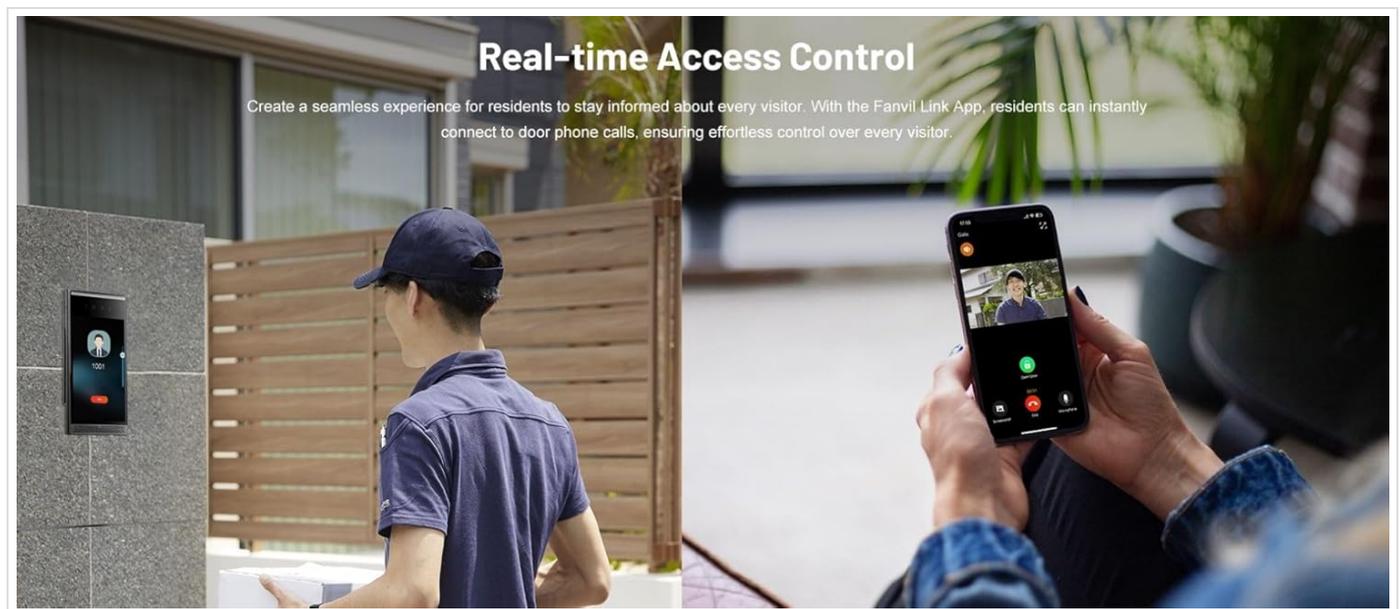


Figure 4.1: A scenario depicting real-time access control with the Fanvil i68. A person is at the door phone, and another person is viewing and interacting via a mobile application, demonstrating seamless communication and control over visitors.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Fanvil i68.

- **Cleaning:** Use a soft, damp cloth to clean the touchscreen and camera lens. Avoid abrasive cleaners or solvents that could damage the surface.
- **Firmware Updates:** Periodically check the Fanvil official website for firmware updates. Keeping the firmware updated ensures access to the latest features, security patches, and performance improvements.
- **Environmental Checks:** Despite its robust design, regularly inspect the device for any signs of physical damage, especially if installed outdoors. Ensure all seals and covers are intact to maintain its IP66 rating.
- **System Logs:** Regularly review system logs via the web interface for any unusual activity or error messages.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Fanvil i68.

Problem	Possible Cause	Solution
Device does not power on.	No power from PoE switch or power adapter.	Verify PoE switch is active or power adapter is connected and functional. Check Ethernet cable connection.
No video feed during calls.	Network connectivity issues; camera malfunction; incorrect SIP settings.	Check network cable/Wi-Fi connection. Ensure SIP account is registered correctly. Restart the device.
Face recognition fails frequently.	Poor lighting; face not properly aligned; user not enrolled or profile needs update.	Ensure adequate lighting. Stand directly in front of the camera. Re-enroll user's face if necessary. Clean camera lens.
RFID card not recognized.	Card not enrolled; card damaged; incorrect card type.	Verify the card is enrolled in the system. Try a different registered card. Ensure it's the correct type (IC/ID).
Cannot access web interface.	Incorrect IP address; network connectivity issue; firewall blocking access.	Confirm device IP address. Check network connection. Temporarily disable firewall on your PC for testing.

7. SPECIFICATIONS

Detailed technical specifications for the Fanvil i68.

Model: i68

Product Dimensions: 7 x 12 x 5 inches

Item Weight: 2.7 pounds

Item Model Number: i68

Manufacturer: Fanvil

Brand: Fanvil

Telephone Type: Cordless (referring to SIP/VoIP functionality, not a physical handset)

Power Source: PoE (Power over Ethernet)

Answering System Type: Digital

Compatible Devices: SIP systems, PoE, Wi-Fi, Bluetooth, RFID systems, PIN code systems, QR code systems

Multiline Operation: Multi-Line Operation

UPC: 889837004098

Protection Rating: IP66 (Waterproof), IK07 (Impact-resistant)

Display: 8-inch Touchscreen (Capacitive)

Camera: HD Camera, 2x2 Mpx Wide Angle with Automatic Lighting

Access Methods: Face ID, RFID cards, Numeric PIN codes, QR codes

8. WARRANTY INFORMATION

Specific warranty terms and conditions for the Fanvil i68 are typically provided at the time of purchase or can be found on the official Fanvil website. Please retain your proof of purchase for warranty claims.

For detailed warranty policy, registration, and service requests, please refer to the manufacturer's official resources.

9. TECHNICAL SUPPORT

For technical assistance, advanced configuration, or troubleshooting beyond this manual, please contact Fanvil customer

support or visit their official support portal.

Fanvil Official Website: www.fanvil.com

Look for sections like "Support," "Downloads," or "FAQ" on their website for drivers, firmware, and additional resources.