

NEW**ENHANCED VERSION**

VAP2 TELEPHONY INTERCOM SYSTEM

Door Entry Visitor Call Panel System



IMDA Approved



Supports Analog / Digital
Phone Line & 4G SIM Card



Automatic Call Forwarding



Visitor Photo Capture & Logging



Support Remote programming



Easy Installation & Maintenance



Card & Lift Access Integration



Complies with
IMDA Standards
DA108154



Suitable Applications

Suitable for Residential, Commercial & Industrial Applications



Condominium



Apartments



Commercial Building

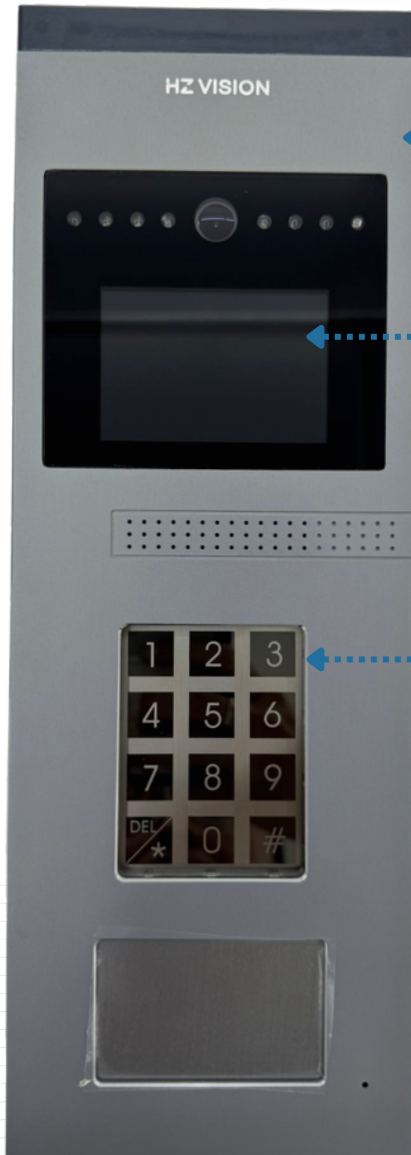


Factory & Warehouse

System Enhancements

Enhanced Performance, Durability & User Experience

NEW ENHANCED VERSION



TELEPHONY VAP2

Hardware improvements

- **New Modern Exterior Design**
Enhanced scratch-resistant front surface
- **Upgraded TFT LCD Display**
Higher durability with reduced display line issues
- **Improved Infrared Sensor Keypad**
Redesigned keypad structure with enhanced drainage flow and reinforced gap protection to reduce water ingress issues.
- **Upgraded Audio Adjustment Module**
Minimizes noise during microphone and speaker volume adjustment.
- **Upgraded PCB Board**
Upgraded PCB board supports synchronized data storage between the call panel and MicroSD memory card.

Functional improvements

- **Support Synchronized Data**
- **Support Digital Phone Line**
- **More Stability**

System Enhancements

Details Photos of Enhancement



- **Improved Infrared Sensor Keypad**
Redesigned keypad structure with enhanced drainage flow and reinforced gap protection to reduce water ingress issues.

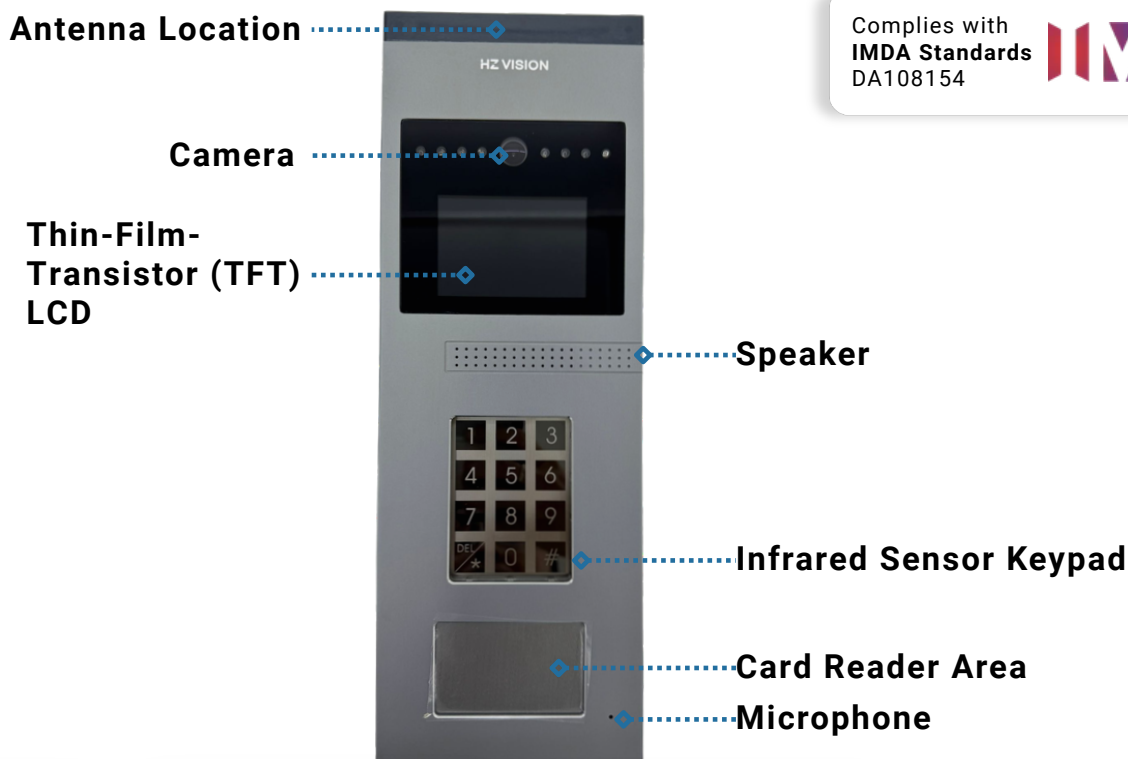


- **Upgraded Audio Adjustment Module**
Minimizes noise during microphone and speaker volume adjustment.



- **Upgraded TFT LCD Display**
Higher durability with reduced display line issues

Key Features

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IMDA Standards
 DA108154


4G Line Operate

- Operate in 4G SIM Card or
- Phone Line (Analog & Digital)

Auto Call Forwarding

- Automatic transfer to next available phone number if the call is no pick up

Remote Door Release

- Resident able to release the door and lift for their visitor by their programmed phone number.

Standalone Door Access Control

- Support standalone door access control by using access card and PIN number

Phone Line Multi Link & Line Busy Detect

- 1 Analog phone line can link up to 3 telephony call panel. Distance between 10M.
- Effectively detect the status of the phone line (line busy)

Automatic Line Cut Off

- Automatic line cut off function when access is released or call ended within 5 second.

Manually or Remote Programming

- Supports manual direct or remote programming.
- Remote program:
- Phone Line - Supports remote programming by calling the call panel.
- 4G Sim Card - Supports SMS remote programming and checking of programmed unit phone numbers.

Each Unit Supports 3 Authorized Phone Numbers

- Each unit can program up to 3 authorized phone numbers.
- Call panel supports up to 260 units memory.
- Units memory changeable.

Synchronized Data

- Synchronized data storage between panel and MicroSD card.

Key Features

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Auto Pick-Up Function for Release the Door

- Programmed resident phone numbers can call the call panel to release the door. This auto pick-up function is only available for authorized residents.
- Applicable to 4G SIM Card operation only.



Standalone Door Access Control System

- Standalone card reader can be built into the call panel or installed beside the call panel.
- No additional access controller required.



Card & Lift Access Integration

- Supporting integrated lift and card access control system
- Required Lift Relay Module.



Save Cost & Easy Maintenance

- 4G SIM Operation – Only requires built-in 4G SIM module and power supply installation. No additional cabling required.
- Phone Line Operation – Requires power supply installation and 1 phone line connection to the call panel.



Retrieve Programmed Unit Records (4G SIM)

- Applicable to 4G SIM Card operation only.
- Supports SMS retrieval of programmed unit phone numbers from the call panel.
- Call panel automatically replies within 1–3 seconds.



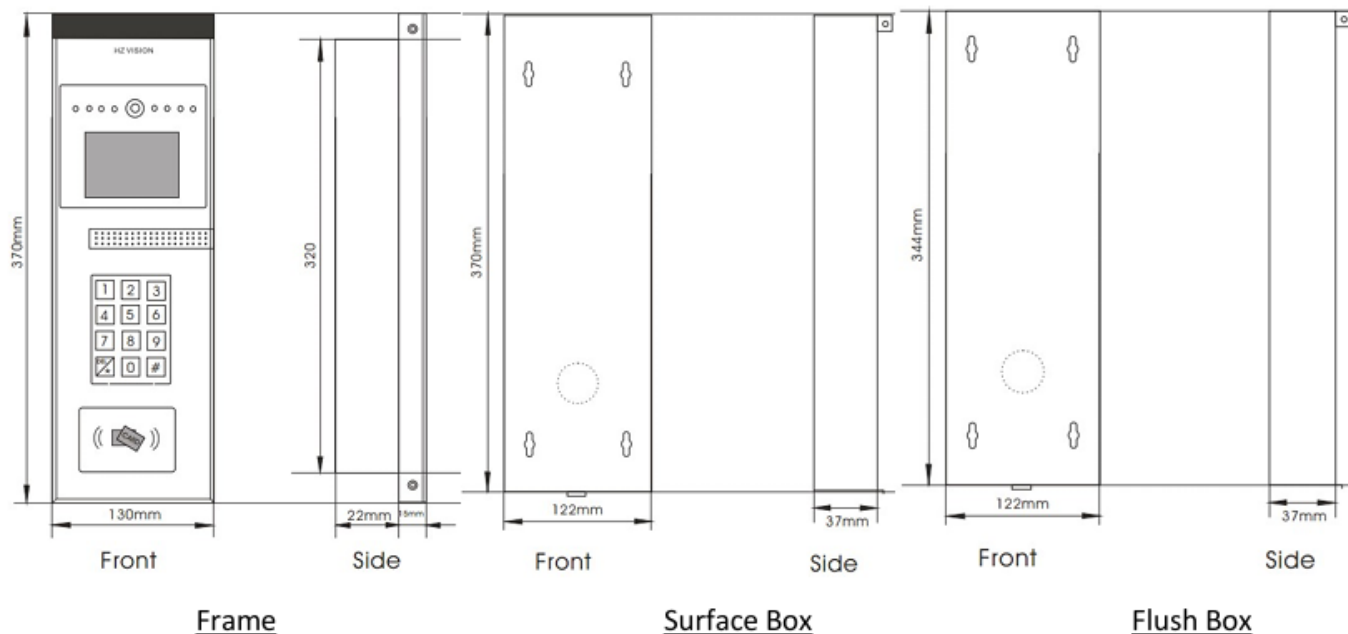
PC Programming Support (Advanced)

- Supports PC programming via HZ Vision software.
- Suitable for bulk unit phone number programming.
- Requires removal of the MicroSD memory card for programming.
- Software is for programming only, no monitoring function.

Specification

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Specification	
Screen:	3.5" TFT Screen
Camera:	1/3" Color CCD/CMOS
Illumination:	0.05 Lux
Camera Sensor:	1.0MP
View Angle:	90 Degree
LEDs for Night Vision:	IR LEDs 120 Degree
Resolution:	420 TVLine Dual Communication
Installation:	Flush or Surface Mounting
Body Material:	Aluminum Alloy Panel with Water Proof
Power Input:	DC15V
Transmitting Power:	-108dBm
Working Current:	<100MA
Working Temperature:	-30C ~ +50C
Max. RFID Card:	99999
Max 2.4G Remote Controller:	255
Relay Outputs:	2 (NO/NC)



System Operation Diagram

1 Making a Call

Enter the resident unit number.

Example: To call unit #02-02, just enter **0202**



Note:

If the wrong unit number is entered, press the “#” key to cancel the call.

2 Calling the Resident

After enter the 4-digit unit number, the call panel will automatic call the resident phone.

Wait for the resident to answer the call on their mobile phone.

If the resident does not answer within 30 seconds, the system will automatically transfer the call to the second phone number.

Note:

If the call leads to voicemail or unreachable, visitors can **press the “*” key to transfer the call** to the next programmed phone number.

3 During Call

Speak clearly into the Intercom microphone after the resident answers.



4 Unlock the door

After the conversation, the resident can press “**” or “##” to open the door.

5 Call Auto Cut Off

After releases the door access, the system will automatically disconnect the line within 5 seconds.

QUICK REFERENCE



Enter 4digit unit number (e.g., #01-01 → 0101)



Press “#” to cancel the Call



Press “*” to transfer to next resident phone no.



No answer in 30sec → Auto transfer to 2nd phone number



Call will be auto cut off within 5sec after release door

SYSTEM CALL FLOW



Enter Unit No.



Calling 1st Phone number (30s)



No Answer



Calling 2nd Phone number (30s)



Call Auto Cut Off In 5sec



Talking and Unlock the Door



Calling 3rd Phone number (30s)



No Answer

Installation Reference Photos

- Install at Factory (New Version Telephony)



HZ Vision
Card Reader
(Optional Item)