

# IP Video Door Phone

i31S



The design of i31S IP Video Door phone are based on experience and knowledge of Fanvil IP phone development. i31S are using standard IP/RTP/RTSP protocol for voice transmission and enjoy the advantages of full range of compatibility. i31S have a variety of enterprise-level features and compatible with lots of major platforms, such as 3CX, Asterisk, Broadsoft, Elastix, etc.

The i31S IP Video door phone is designed for operation in outdoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP65).

The i31S is economical devices with triple function(All in 1)- Access control by DTMF, Password, RFID/IC card and indoor switch.

## Highlight

- Compatible with standard SIP(RFC3261) protocol and main IPPBX/IMS platform
- Enclosure designed on International Protection (IP) markings to protect against intrusion - accidental or intentional - waterproofed to IP65 and anti-collision up to IK10.
- The system design adapts to operating under various environmental conditions and temperatures (supports temperatures ranging from -40 to +70 Celsius.)
- Status indication icon
- All-in-One(Access Control, Intercom and Broadcasting)
- Access Control(DTMF, Password, RFID/IC, Indoor Switch)
- Built-in 3W speaker and AEC, support high quality hand-free communication.
- Built-in HD camera and with backlight compensation function
- System online maintenance and management

## Specification

### Access control function

Two SIP lines, support SIP 2.0 (RFC3261) and related RFC

PoE Enabled

Duplex handsfree (HF)

Default Auto Answer

Open the door operation: DTMF, password, RFID card, indoor switch

Support 200,000 door open records

Support 5000 remote access list

Support 5000 RFID/IC cards

Support electric lock internal or external power supply options

Support customized DSS keys

Network Time Synchronization

Action URL / Active URI remote control

### Audio

Narrowband speech codec: G.711a / u, G.723.1, G.726-32K, G.729AB

Broadband speech codec: G.722

Duplex intercom with Acoustic Echo Canceller (AEC) – 96ms tail-length

DTMF: In-band, out-of-band DTMF (RFC2833) / SIP Info

### Video

Sensor 1/2.7" color CMOS

Camera 2 Megapixels

Video codec H.264

Resolution Main stream: 1280×720@25fps  
Sub-stream: 704×576(D1)@25fps  
Viewing angle: 112° (H), 84° (V)

Minimum illumination 0.1Lux, support for infrared illumination

## Deployment & Maintenance

Auto-Provisioning via  
FTP/TFTP/HTTP/HTTPS/DHCP/TR069/SIP PNP

Web Management Portal

Web-based Packet Dump

Configuration Backup/Restore

Entry Log Export

Access Table Export/Import

Firmware Upgrade

Syslog (include door access logs)

## Physical Specifications

1 DSS button (speed dial button)

5 indicator lights (including hot-key backlight)

12 Numeric keypad (with backlight)

1 indoor switch

1 relay: MAX DC30V / 1A, AC125V / 0.5A

Active switching output: 12V / 500mA DC

Camera: 130W CMOS/IR-CUT

RFID/IC Card: ID (EM4100,125KHz) & IC(MIFARE ONE,13.56MHz)

Microphone: -38dB

Speaker: 4Ω / 3W

WAN port: RJ-45, 10 / 100M adaptive

Power supply: 12V ± 15% / 1A DC or POE

Network cable: CAT5 or better

Shell Material: Aluminum Cover and Cast-Aluminum back case

Installation method: Wall-mounting or Flush-mounting

Storage Temperature: -40~70°C

Working Humidity: 10~90%

Protection level: IP65 and IK10

Overall Dimension: 223 x 130 x 74mm (W x H x L)

Outer CTN Dimensions: 370 x 370 x 330mm(6 PCS)

Package Weight: 1800g