

## i31S IP Video Door Phone

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 call, code and RFID card



### Highlights

- ✓ 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(by call, by code, IC/RFID, 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

### Access control function

- Two SIP lines, support SIP 2.0 (RFC3261) and related RFC
- POE Enabled
- Full-duplex handsfree (HF)
- Default Auto Answer
- Open the door operation: DTMF, password, RFID card, switch
- Support 200,000 door open records
- Support 1000 remote access list
- Support 1000 RFID 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
- Full Duplex Echo Cancellation (AEC) – 96ms tail-length
- DTMF: In-band, out-of-band DTMF (RFC2833) / SIP Info

### Video

- Sensor: 1/3 "color CMOS
- Pixels: CIF, QCIF, VGA, 4CIF, 960P(HD)
- Video codec: H.264
- Resolution: The main stream 1280 \* 920, 1280 \* 720  
Sub-stream: 704 \* 576(D1)

- Viewing angle: 115° (H), 87° (V)
- Minimum illumination: color 0.01Lux, black and white 0.001Lux

### Networking/ Protocols

- Support PoE (802.3af)
- Primary and secondary DNS servers are supported
- Support RTSP
- Support SNTP client
- Support VPN L2TP / openVPN
- Support SRTP
- Support HTTP / HTTPS web pages
- Support Qos: 802.1p / q, DSCP
- Support MD5 authentication
- Support Web Filter
- DHCP / static / PPPoE
- Support STUN

### 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





# DATASHEET

- Firmware Upgrade
- Syslog(include door access logs)

## Physical Specifications

- 1 DSS button (speed dial button)
- 5 indicator lights (including hot-key backlight)
- Numeric keypad
- 1 indoor switch
- 1 relay: MAX DC30V / 1A, AC125V / 0.5A
- Active switching output: 12V / 650mA DC
- Camera: 130W CMOS /IR-CUT
- RFID reader: ID (EM4100) ,IC(MIFARE ONE)
- Microphone: -38dB
- Speaker: 4Ω / 3W

- WAN port: RJ-45, 10 / 100M adaptive
- Power supply: 12V  $\pm$  15% / 1A DC or POE
- PoE: 802.3af (Class 3 - 6.49 to 12.95W)
- 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℃
- Working Humidity: 10~90%
- Protection level: IP65 and IK10
- Overall Dimension: 223 x 130 x 74mm (W x H x L)
- Gift Box Dimensions: 310 x 175 x 115mm
- Outer CTN Dimensions: 370 x 370 x 330mm(6 PCS)
- Package Weight:1800g

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. Customers should consult Fanvil's retailers, distributors, or Fanvil directly, if customers have concerns on any feature.

For more information, please visit: [www.fanvil.com](http://www.fanvil.com)

## Compatibility

