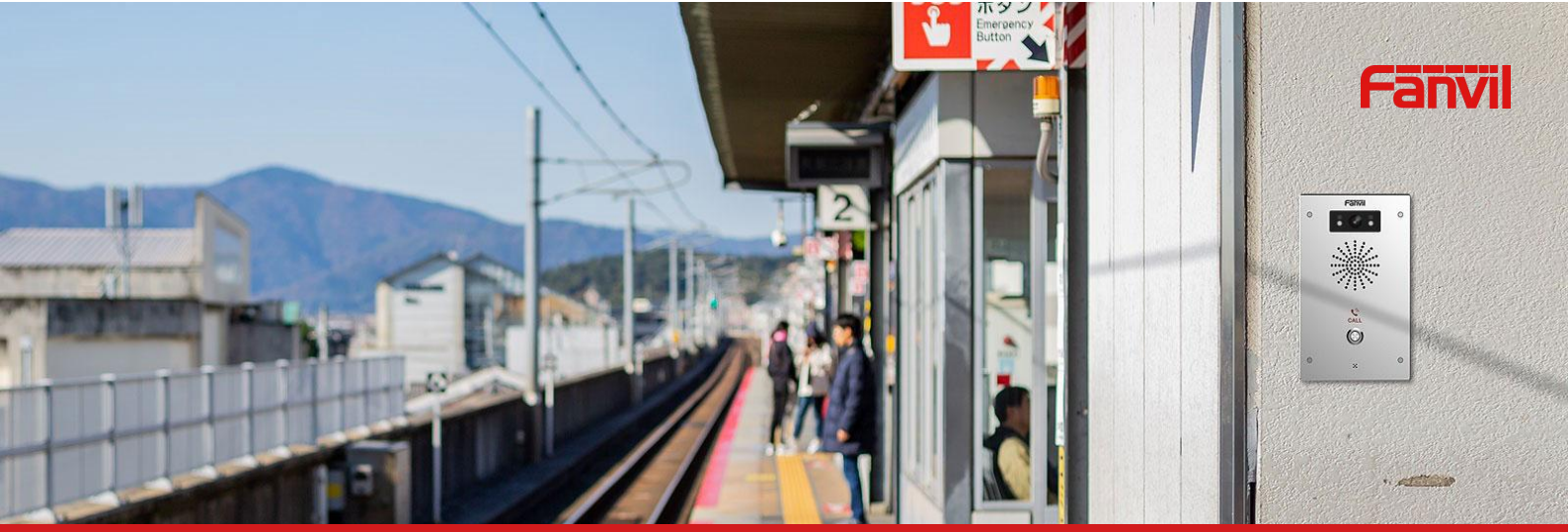

Fanvil i16S/i16SV SIP Intercom

The Fanvil i16S/i16SV SIP Intercom is designed for outdoor scenes with high reliability, HD Audio/Video, and IP65/IK10 protection grade. It combines security, audio/video intercom and broadcasting functionalities and offer the best communication solution for users.

Highlights

- Built-in HD camera with infrared night vision, adopt H.264 codec (only i16SV)
- IP65 waterproof and dustproof.
- IK10 anti-collision with robust die-cast aluminum frame
- Anti-tamper- alarming as long as the cover is apart from the housing, and reporting to the control center at the same time
- HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceller
- Audio line out port, expandable external active speaker.
- Built-in 2 short-in detect port and 2 short-out control port
- Support built-in TF card slot for data storage or audio offline broadcasting.
- Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.



i16S



i16SV

Model	Network	Button	Camera
i16S	10/100Mbps	1	×
i16SV	10/100Mbps	1	√



Generic

- 2 SIP lines
- Speed dial
- Linkage with IP camera to realize video intercom
- Oral announcement of the IP address(in English)
- MP3 broadcasting
- Support programmable DSS key
- Support mono active speaker
- Talkback recording output
- Switch signal input and output
- Support TF card
- PoE enabled

Device Functions

- Auto-answering
- Programmable DSS keys
- Through button or web page volume adjustment
- Network time synchronization
- Time Plan (task management)
- Incoming call multicast
- Dynamic multicast function
- HTTP API
- Action URL / Active URI

Call Functions

- Call out / answer / reject
- Call waiting
- Intercom, Multicast
- Speed dial
- Anonymous call (Hide caller ID)

Audio

- Narrowband codec: G.711A/U, G.729A/B,iLBC,G.723.1,G.726-32K
- Wideband codec: G.722, Opus
- Full-duplex hands-free speakerphone with AEC
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)

Video (Only i16SV)

- Sensor: 1/2.8” color CMOS
- Pixels: 2 Mega
- Video coding: H.264
- Resolution: 720P/1080P
- Minimum illumination: 0.1Lux, support for infrared illumination
- Viewing angle:
  - Diagonal: 126°
  - Horizontal: 98°
  - Vertical: 65°

Network

- Physical: 10/100 Mbps Ethernet
- IP mode:IPv4/IPv6/IPv4&IPv6
- IP configuration: Static IP / DHCP / PPPoE
- VPN: L2TP / OpenVPN
- VLAN

Protocols

- SIP v1 (RFC2543), v2 (RFC3261) over UDP/TCP/TLS
- RTP/RTCP/SRTP

- STUN
- DHCP
- IPv6
- PPPoE
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Management

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web management portal
- Web-based packet dump
- Configuration export / import
- Firmware upgrade
- Syslog

Physical Specifications

- 1 DSS key (support LED)
- RJ45 port x1: connect the network
  - PoE enabled
- Line out port x1: connect the active speaker
  - Out: adjustable by volume, max up to1.2Vpp.
  - Port: terminal socket
- Recording output port x1: connect audio device
  - Out: mixed output of local microphone voice and call voice recording
  - Impedance: 15 Ohm
  - Port: terminal socket
- Short circuit input and output port x2 (built-in relay)
  - Relay: MAX DC30V / 2A, AC125V / 0.5A
  - Active switching output: 12V/500mA DC(only 1 relay support)
  - Port: terminal socket
- Tamper alarm switchx1
- TF card slot x1: connect TF card
- DC port x1: DC power input
  - DC power input: DC12V~24V/1A
  - Port: 2 Pin terminal socket
- PoE level: Class 3
- Protection level:IP65 and IK10
- Housing material: aluminum alloy shell
- Installation: wall-mounted
- Working temperature: -30℃ ~ 60℃
- Storage temperature: - 40℃ ~ 70℃
- Working humidity: 10~95%
- Device dimensions: 195x120x40 mm
- Gift box dimensions: 260x165x62 mm
- Outer CTN dimensions: 348x328x280 mm (10 PCS)

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.
For more information, please visit: www.fanvil.com

Compatibility List:

www.fanvil.com
Add: 13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755-2640-2199 Fax: +86-755-2640-2618 Email: sales@fanvil.com