i18S IP Video Intercom

The design of i18S IP Video Intercom are based on experience and knowledge of Fanvil IP phone development.i18S are using standard IP/RTP/RTSP protocol for voice transmission and enjoy the advantages of full range of compatibility. i18S have a variety of enterprise-level features and compatible with lots of major platforms, such as 3CX,Asterisk, Broadsoft, Elastix, etc.

The i18S IP Video Intercom is designed for operation in indoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP65).

The i18S is economical devices with triple function(All in 1)- Access Control, Intercom and Broadcasting

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.)
✓ All-in-One(Access Control, Intercom and Broadcasting)
✓ 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
● 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 *960，1280*720
　Sub-stream 704*576
● 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
● Access Table Export / Import
● Firmware Upgrade

Physical Specifications

● 1 DSS button (speed dial button)
● 1 embedded short circuit input interface
● 1 relay: MAX DC30V / 1A, AC125V / 0.5A
● Active switching output: 12V / 650mA DC
● Camera: 130W CMOS /IR-CUT
● Microphone: -38dB
● Speaker: 4Ω / 3W
● WAN port: RJ-45, 10 / 100M adaptive
● Power supply: 12V ± 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

Compatibility

3CX BROADSOFT elastix epygi Asterisk NEC XORCOM Business Telephony Solutions HUAWEI