

Door Entry System

Access Control Units



Si 10v Door Entry System

The Si 10v is a 1 Button Door Entry & Video Unit. This video intercom is waterproof and dustproof. Features include auto answer and a dynamic multicast function. Built-in 1W speaker and Acoustic Echo Canceller (AEC). Functionality includes security, intercom, and broadcasting. Built-in HD camera with backlight compensation function. Online management and upgrade.

Highlights

- Easy installation and configuration.
- IP54 waterproof and dustproof.
- -20 oC to 50 oC wide range temperature adaptability.
- Built-in 1W speaker and Acoustic EchoCanceller (AEC).
- Built-in 1 short circuit input/output interface.
- Functionality including security, intercom and broadcasting.
- Built-in HD camera and with backlight compensation function.
- Online management and upgrade.
- High compatibility – Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.



Model	Screen	Button	Camera
Si 10v	10/100Mbps	1	Y

Generic

- Two SIP lines
- Auto answer
- Intercom function

Intercom Functions

- Support customized DSS keys
- Network Time Synchronization
- Action URL/Active URL

Audio

- Narrowband Codec: G.711a/u, G.729AB, iLBC
- Wideband Codec: G.722, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice activity detection (VAD)/Comfort noise generation (CGN)/Background noise estimation(BNE)
- Packet loss concealment (PLC)
- Dynamic adaptive jitter buffer for up to 300ms
- DTMF: In-band, Out-of-Band – DTMF Relay(RFC2833) / SIP INFO

Video (i10v)

- Sensor: 1/4" color CMOS
- 1 MegaPixel
- Video coding: H.264
- Resolution: 720P
- Viewing angle: 90°
- Minimum illumination: 0.1Lux

Networking

- Physical: 10/100Mbps Ethernet
- IP Configuration: Static/DHCP/PPoE
- Network access control: 802.1x
- VPN: L2TP (Basic Unencrypted/Open VPN)
- VLAN
- QoS

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.

Physical Specifications

- i10V :1 DSS button (speed dial button)
- i10D:2 DSS button
- 1 RJ45 port
- 1 short circuit input interface
- 1 relay: NC/NO Contacts, Max DC30V/1A,AC125V/0.5A
- Active switching output: 12V/650mA DC
- Power: DC12V/1A or POE
- Housing material: ABS
- Installation: Indoor installation
- Working temperature: -20 ~50 °C
- Storage temperature: -20 ~ 50 °C
- Relative humidity: 10% - 90%
- Equipment Dimension: 88 x 88 x 31mm
- Packing Dimension: 95x108x40mm
- Outer CTN Dimension: 241x225x215mm (20 PCS)
- Equipment weight: 135g

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPoE
- 802.1X
- L2TP
- OpenVPN
- SNMP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Maintenance

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

Si 20 Door Entry System

The Si 20 SIP door phone is designed for operation in indoor conditions. The robust mechanical construction offers protective coverage rating against dust and water (IP54). The Si 20 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.
- Access Control(by call, by code, IC/RFID)
- All-in-One(Access Control, Intercom and Broadcasting)
- Build-in 3W speaker and AEC, support high quality hand-free communication.
- Status indication icon
- System online maintenance and management



Model	Screen	Button	Camera
Si 20	10/100Mbps	1 + Numerical Keys	N

Generic

- Two SIP lines, support SIP 2.0 (RFC3261) and related RFC
- Duplex hands-free (HF)
- Default Auto Answer
- Open the door operation: DTMF, password, RFID/IC 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)
- DTMF: In-band, out-of-band DTMF (RFC2833) / SIP Info

Video

- Sensor: 1/4 "color CMOS
- Pixels: 1 million
- Video codec: H.264
- Resolution: The main stream 1280 *720 Sub-stream 352*288(CIF), 704*576*D1*
- Viewing angle: 110 ° (H), 95 ° (V)
- Minimum illumination: color 0.1Lux, black and white 0.01Lux, tempor

Networking / Protocols

- Support PoE
- 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

Physical Specifications

- 1 DSS button (speed dial button)
- 4 indicator lights (including hot-key backlight)
- Numeric keypad
- 1 indoor switch
- 1 relay: MAX DC30V / 1A, AC125V / 0.5A
- Active switching output: 12V / 500mA DC
- RFID/IC Card: ID (EM4100,125KHz) & IC(MIFARE ONE,13.56MHz)
- RFID card number output: positive sequence output 8H10D
- Microphone: -38dB
- Speaker: 4Ω / 3W
- WAN port: RJ-45, 10 / 100M adaptive
- Power supply: 12V ± 15% / 1A DC or PoE
- PoE: (Class 3 - 6.49 to 12.95W)
- Standby power: 2.76W, 12V / 230mA
- Network cable: CAT5 or better
- Shell material: metal surface, ABS bottom shell
- Installation: wall-mounting
- Operating temperature: -20 ~ 60°C
- Storage temperature: -40 ~ 70°C
- Relative humidity: 10 ~ 90%
- Protection class: IP65
- Equipment weight: 330g
- Equipment size: 160x93x35mm
- Packing size: 209x118x64mm
- CTN Size: 340x250x224mm (10 PCS)

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Si 30 Door Entry System

The SI 30 is a Door Entry Video Phone. This door entry video phone is a small, attractive unit that is simple to install. Voice transmits using standard IP protocol while the video transmission adopts Real Time Streaming Protocol (RTSP). The robust mechanical construction offers protection against dust and water. The video door phone has a triple function (All in one) – Access control by call, code, indoor switch, and RFID card.

Highlights

- Small and exquisite, easy to install
- Graphic Status lights
- Comfortable keyboard feel and soft backlight
- All-in-One (Access Control, Intercom and Broadcasting)
- Access by DTMF, Password, RFID/IC card and indoor switch.
- Built-in HD camera and with backlight compensation function
- Built-in 3W speaker and AEC, support high quality hand-free communication system online maintenance and management
- High compatibility - Compatible with major platforms, Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya.



Model	Screen	Button	Camera
Si 30	10/100Mbps	1 + Numerical Keys	Y

- Support SRTP
- Support HTTP / HTTPS web pages
- Support Qos: 802.1p / q, DSCP
- Support MD5 authentication
- Support Web Filter
- DHCP / static / PPPoE
- Support STUN

Physical Specifications

- 1 DSS button (speed dial button)
- 4 indicator lights (including hot-key backlight)
- Numeric keypad
- 1 indoor switch
- 1 relay: MAX DC30V / 1A, AC125V / 0.5A
- Active switching output: 12V / 500mA DC
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- RFID card number output: positive sequence output 8H10D
- Microphone: -38dB
- Speaker: 4Ω / 3W
- WAN port: RJ-45, 10 / 100M adaptive
- Power supply: 12V ± 15% / 1A DC or PoE
- PoE: (Class 3 - 6.49 to 12.95W)
- Standby power: 2.76W, 12V / 230mA
- Network cable: CAT5 or better
- Shell material: metal surface, ABS bottom shell
- Installation: wall-mounting
- Operating temperature: -20 ~ 60°C
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