

IP Video Door Entry System - IP Bell

- Talk to callers, look at callers, then open the door
- Expandable system from **2 to 58 buttons**
- Optional **RFID proximity reader integrated** for door access
- SIP Protocol, works with most modern IP phone systems
- Options for single button which places a call to one number/group or two buttons which call different numbers/groups
- Optional IP camera to view real time video on a computer or e.g. Grandstream GXV3140 or Snom 800 series phone screen. Up to 5 frames per second
- **Two internal relays** controlled by DTMF tones to control door openers or lights
- **Power over Ethernet (PoE)**
- IP camera to view real time video on a computer
 - camera permanently operational, not just during calls
- Video PC PopUp SW app for Peer to Peer mode
- **30mm thin profile**
- IP44 rating
- **Integrated codelock feature** via pushbuttons
- Call forwarding to second phone number , e.g. a cell (mobile) phone
 - Each pushbutton has got memory for 2 numbers
- **Peer to Peer or SIP Proxy (IP PBX) mode**
- HTTP management
- Asterisk, SWYX, 3CX, Quadro Epygi, Snom ONE, Avaya, Nortel, Gigaset pro, Nortel, Cisco, Alcatel, Panasonic, Nexspan compatible
- Tested on Snom, Grandstream, Yealink, Polycom IP phones
- Alphatech UDVGard (**iPhone/iPad/Android/Windows**) video softphone app compatible
- Description of low-level protocol communication available for application developers (e.g. home automation)

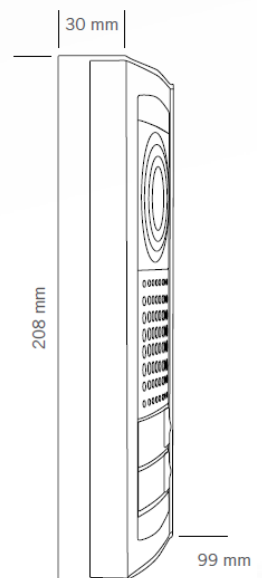


The **IP Bell** SIP door phone is the new, elegant design and robust IP audio video door station with slim and compact shape. Surface mounted, therefore extremely easy to install. Name holders are back lit in original blue colour for easy identification even in poor lighting conditions. The front plate is made in anodised extruded aluminium. The IP Bell can be registered as an extension to any SIP based phone system. Callers at your door can talk to you whether you are on site or not. The camera option shows real-time video on either a computer or a SIP video telephone. To avoid wiring, the IP Bell can interface with a WiFi.

The **IP Bell** system consists of a door phone unit designed to sit on the outside of your premises plus a series of optional additional parts to make a complete door entry solution. Each door phone model is slimline with a depth of just 30mm. They comprise a SIP telephone, integrated speaker and microphone and either one or two buttons to place calls. There are also two relay switches which allow operation of external devices such as door openers or lights from most phones. The system can be set into day or night modes with different call numbers for the single or dual buttons. For example, at night, callers could be referred to a voicemail box or the call could be placed to a mobile phone. Day or night mode can also be controlled manually using DTMF tones from the phones in a remote office. If you want to identify who is at your door before you answer the phone or before letting them in, then the door phone is available with a built-in IP camera supporting up to 640x480 video at 5fps. This video can be viewed in a web browser, a free stand alone PC application or on the screen of a compatible IP phone.

Versions available:

- 220101 IP Bell 01 with one pushbutton, VoIP SIP audio
- 220102 IP Bell 02 with two pushbuttons, VoIP SIP audio
- 220201 IP Bell 01C with one pushbutton and a camera, VoIP SIP video
- 220202 IP Bell 02C with two pushbuttons and a camera, VoIP SIP video
- 221004 Bell-4 expansion module with 4 buttons
- 221008 Bell-8 expansion module with 8 buttons



Features

- Door Phone VoIP, compatible with IPBX supporting SIP v2
- SIP proxy server mode to register your IP phones on the Door Phone
- Voice and Video stream broadcast on IP phones with video support
- IP Camera
- HTTP Management
- 2 relay control
- WiFi option
- Day & night service

Technical data

- Power supply
- 12VDC \pm 2V , 10-12VAC \pm 2V
- Max. consumption: 300mA at 12VDC
- Max. voltage of switch contact:
48V at I < 1A
- Max. current of switch contact:
2A at U < 30 V
- Working temperature: -20°C + +50°C
- Dimensions (HxWxD): 208x99x30mm
- Body material: anodized aluminum and ABS plastic
- 802.3af Power-over-Ethernet

VoIP and management

- Session Initiation Protocol (SIP RFC3261)
- Registers to a SIP Registrar/SIP PBX
- Echo Cancellation
- Symmetric RTP
- Codecs Audio: G711u, G.711a, G726, GSM
- Codecs Video : H.263 / H.264
- Protocols : IP, TCP, UDP, HTTP, TELNET, SIP, RTP
- Interface : LAN 10/100 Base-Tx, RJ45
- Resolution support: 640x480, 352x288, 320x240, 176x144, 160x120
- Frame rate: 1 to 7 pfs on H.263, 1 to 5 fps on H.264
- Adjustable brightness, contrast, colour, hue and gamma from web GUI
- Video access in VoIP call (RTP) or sequential JPEG from web GUI
- High intensity white LEDs for picture lighting during dark hours with internal light sensor
- HTTP web interface with password protection
- Video viewer in web GUI
- Extract log files from web GUI (SIP trace, call log, general log)
- Telnet command line interface
- Log to syslog server
- Editable web GUI language file

