

Multi-use IP intercom with video calls



Features

- SIP voice intercom
- Doors can be opened from any VoIP communication device
- Integration with IP telephony systems
- Perfect integration with Asterisk®
- Open door sensor
- Individual volume controls for microphone and loudspeaker
- Day and night view modes
- Khomp IP gatekeepers use the User Datagram Protocol (UDP) to send and receive information

Applications

- IP wall speakerphone for communication between locations via video conferencing and SIP calling
- Automation for device control and actuation
- Intercommunication for security systems

Optional resource

- **P** → Power over Ethernet (POE 802.3af)

Overview

The IP Intercom 101 is an electronic intercom of the Khomp's line of SIP endpoints. Developed as a new solution for intercom or automation applications. A VoIP device with onboard intelligence, combining agility, safety, and autonomy. It includes speakerphone functionality, a button; it can be used in PoE networks. It can be used as an electronic intercom for access control and as a SIP wall phone. All settings are defined on a user-friendly web interface, and the device can be configured for registration on SIP platforms or peer-to-peer calls.

It comes with a built-in video camera and it enables the use of videoconferencing with its structure that is customized in a single device, facilitating system installation and offering a modern technological interface.

It uses the VoIP telephony network for connection and communication, with the possibility of opening a door remotely, even if there isn't a person dedicated to this task, making it an excellent option for environments such as homes, offices, multifamily systems for buildings, communities, and gated condominiums.

With all these options, the IP Intercom 101 is a valuable tool for a variety of scenarios involving integration via SIP, including a wide range of integration possibilities for IoT requisitions.

Models with integrated camera

- IP Intercom 101 DG - C (Dark Grey)
- IP Intercom 101 BC - C (Bicolor) → grey base with light grey fronto
- IP Intercom 101 LG - C (Light Grey)
- IP Intercom 101 DG - CP (Dark Grey) → with embedded PoE
- IP Intercom 101 BC - CP (Bicolor) → grey base with light grey front, with embedded PoE
- IP Intercom 101 LG - CP (Light Grey) → with embedded PoE

Technical specifications

Technical specifications

- Audio output power: 2 W
- Relay output: 125 VAC / 20 A - 220 VAC / 10 A - 14 VDC / 20 A
- Supported video codecs: H.264
- Supported audio codecs: G.711 Alaw and Ulaw
- VoIP protocols used: SIP and RTP
- DTMF detection and generation (RFC 2833 standard)
- Maximum operating temperature: +50 °C

Physical/Environmental

- Power source: 12 VDC
- Resistant to rain and water droplets (protection grade: IP66)
- Installation mode: External mounting
- Dimensions: 4,6"x8,0"x1,4"

Capabilities

- Door opening by remote order in response to DTMF or SIP Notify commands
- Dry contact relay for access control, allowing access from any PBX extension
- Separate volume controls for microphone and loudspeaker
- LAN/PBX-IP SIP integration with internal web server for configuration
- Perfect integration with Asterisk®
- Open door sensor
- Can be used in Power over Ethernet (PoE) networks upon the purchase of an optional license
- Support for video calls

Warranties and certifications

- Total warranty (legal + Khomp warranty): 1 year
 - Legal warranty: 90 days
 - Khomp warranty: 9 months
- ISO 9001 certified industry

Integrated IP Camera

NST-G3H is a 3MP (3 megapixels) HD low-illumination AI smart IP camera module, 3MP imaging, low noise, dual color light, enhanced night vision, clearer faces, support human detection, support H.265AI encoding, mainly used in night vision HD video surveillance camera.

Integrated IP Camera Technical Specifications

Main Features

- CMOS
- H.265AI (H.264), H.265
- 3MP (2048x1536 pixels)
- Lightning protection
- RTSP
- ONVIF
- Auto ICR

Module

- Sensor: 1/2.9" low-illumination CMOS sensor, color 0.01Lux@F1.2, black/white 0.001Lux@F1.2
- Video compression: H.265AI (H.265/H.264 compatible), dual-stream support, AVI; 0.1M up to 10Mbps variable; 1–30 f/s variable
- Image output: Main stream: 2304*1296@20fps, 1920*1080@20fps; sub-stream: 800*448@25fps;
- Shutter: 1/50(1/60)s at 10fps 1/10,000s
- Lens:
- Horizontal aperture angle: 137.37°
- Vertical aperture angle: 80°
- Day and night: Support IR-CUT.

Image

- Noise reduction: Support 2D/3D
- Wide dynamic: Support digital

General specifications

- Reliability: Comprehensive lightning protection, 7*24 hours -10°C to +65°C high temperature test stable and reliable
- Power: DC 12V/2A input, power consumption: ≤3W
- Dimension: 38x38mm
- Other: Support POE power supply

Product images



Legend: Models of the *IP Intercom 101 DG - C*, *IP Intercom 101 BC - C* and *IP Intercom 101 LG - C*.

Application model

