



IV03



IA03

## SIP Safety Intercom

ZYCOO SIP Safety Intercom IA03 and IV03 are compact PoE enabled intercom devices equipped with a PTT (Press to Talk) button. IA03 is mainly used for voice intercom but can be linked with an external IP camera for video intercom. IV03 can do video intercom with its built-in HD camera. Both of them can be easily integrated with any SIP server for full-duplex communication. Additionally, access control is enabled on both of them.

## Applicable Scenarios



## Features

- Support standard SIP protocol, it can be integrated with ZYCOO IP Audio Center and third-party SIP server for Press-to-Talk functionality. The PTT key can be programmed with any desired phone number, device, group, or preset task.
- Support G.722 wideband audio codec, provides clear and intelligible voice speech for the intercom calls. With the high audio reproduction ability and clarity, quality of communication is guaranteed even in a large noisy environment.
- Support video intercom, IA03, and IV03 can be associated with external IP cameras that are RTSP supported to achieve visual intercom and video linkage.
- Support security camera platform integration, the built-in HD camera on IV03 can be used as an individual camera with RTSP supported. The security camera platform may use the provided RTSP address for collecting video streaming.
- Support access control, door strike can be connected and controlled by sensor input signal, DTMF Signal during the intercom call or by the call status events.
- Support Standard PoE (IA03: IEEE 802.3af/at; IV03: IEEE 802.3at), a simple and easy installation with a single network cable. The external power supply can be used if required.
- Support Multicast and Peer-to-Peer (P2P) to share data between devices without a central server while the devices use under the same local network.
- Support three lines SIP accounts, in which users may register the endpoint in more than one system for achieving different functionality purposes.

## Specifications

	IA03	IV03
<b>Speaker</b>		
Sensitivity:	90±3dB	
Distortion:	<1%, 1KHz 1W/1M	
Rated Power:	3W	
Maximum power:	4W	
Frequency Range:	630Hz – 4.5KHz	
Acoustics:	Mono	
<b>Microphone</b>		
Microphone	-36±2dB	

<b>Audio Compression</b>		
Audio Codecs:	G.722, G.711 A-law, G.711 U-law, Opus	
Music Streaming:	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo	
<b>Video</b>		
Camera	N/A	1920*1080@20fps, 1280*720@25fps
Video Codec	N/A	H.264
<b>Network</b>		
Network Interface	10/100Mbps,PoE IEEE802.3af/at	10/100Mbps,PoE IEEE802.3at
Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH	
<b>Door Control</b>		
Door Control	NO/NC Contacts, Max AC 125V-1A/DC 60V-1A	
<b>Administration</b>		
Configuration:	Web interface or auto provisioning server	
Provisioning method:	MQTT IoT Protocol	
<b>Mechanical Properties</b>		
Memory:	128MB RAM, 256MB Flash	
Power input:	PoE IEEE802.3af/at or DC12V1A	PoE IEEE802.3at or DC12V2A
Casing:	Surface-treated steel	
Color:	Silver	
Weight:	473g	476g
Dimension:	164*80*40mm	164*80*44mm
Mounting method:	Wall mounted	
Key:	Silver button with blue backlight, press to call, press and hold for 5 seconds to announce IP address	
<b>Environmental</b>		
Installation Environment:	Indoor/Outdoor	
Operating temperature:	-20°C - 50°C (-4°F - 122°F)	
Storage temperature:	-40°C - 70°C (-40°F - 158°F)	
Humidity:	10% - 95% RH Non-condensing	
<b>Approvals</b>		
Approvals:	EN 55032:2015, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 62368-1:2014+A11:2017, FCC Part 15B Class A,IP65	



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