



## VoIP KNZD-42IPC Door Phone

### DESCRIPTION ITEM

KNZD-42IPC Voice Door Phone offers a full digital network and KNTech VoIP solution for the secure access control and monitoring of a building entrance. This advanced Door phone supports SIP 2.0 and operators of IMS platform guaranteeing easy customization for telephone operators and service providers.

#### Features

- SIP V1/V2(RFC2543/RFC3261)
- One speed dial Key
- Integrated Numeric Keypad
- Support PoE(802.3af)
- DTMF Switch control



How to open the door?

- 1) Password
- 2) Remote DTMF

#### Benefits

- Compatibility supports SIP 2.0 platform, effective inter connection and inter working with the mainstream IPPBX manufacturers
- High-end chip  
Equipped with the latest Reliable chip set
- Carrier standard voice  
Full duplex hands- free speaker phone, carrier standard voice
- Flexible of lock approach  
passwords , DTMF Switch control
- A key to call  
One Speed dial Key
- Multiparty calls  
Holding/waiting 3 ways call /conference
- Easy installation  
Integration into the existing LAN
- Visitors leave a message  
Provide access to the message and playback message through the SIP phone



- Simple maintenance
- Support online software upgrades and web management way
- Protective level
- IP53 against dust, water, and mechanical damage

**Target Groups**

Business: offices, shopping areas  
 Education: universities, campuses, schools, sports areas  
 Health care: hospitals, laboratories, Pharmaceutical factory  
 Logistics & Transportation: airports, parking lots or garages  
 Industries: factories, product center

**Technical Parameters**

Signaling protocol		Interface	
SIP 2.0( RFC2833 )		Power supply	12V±15%/1A DC or PoE
<b>Buttons</b>			48V/380mA
Quick dial buttons	Buttons are made of stainless steel material, strong and durable.	LAN	10/100BASE-TX s Auto-MDIX, RJ-45 )
Number of speed dial buttons	1	The recommended cable	Super five or more
Numeric keypad	touch buttons	Relay outputs	NC/NO contacts, max 30V/1A AC/DC
<b>Audio</b>		Active relay output	12V/500mA DC
Microphone	1A 8Ω	<b>Mechanical</b>	
Loudspeaker	3W	Cover material	Aluminum alloy cover, plastic pan
Hands-free haft-duplex	support	Operating temperature range	0°C – 55°C
<b>Audio stream</b>		Storage temperature range	-40°C – 70°C
Support protocol	RTP	Relative humidity	10% - 95% (not condensing)
Codecs	G.711,G.729,G.722,GSM,G.726,iLBC	Installation	Embedded installation
		External dimensions	174.5×96×44 mm
		Protection level	IP53

KNZD-42IPC Voice Door Guard inherits the characteristics of the bearing VoIP products ,and it can be effective interworked with the mainstream IPPBX manufacturers, like Cisco, Avaya, 3CX, Asterisk, BroadSoft.

**Camera:** Image Sensor: OV9712  
 Min. Illumination: 0.1lux  
 Framerate: 15fps, H.264

Total Pixels: 720P(1280\*720) 15fps  
 Field of view: 150° horizontal \*Opposite 170°  
 Lens size: 1/4 inch



**SPECIFICATION**



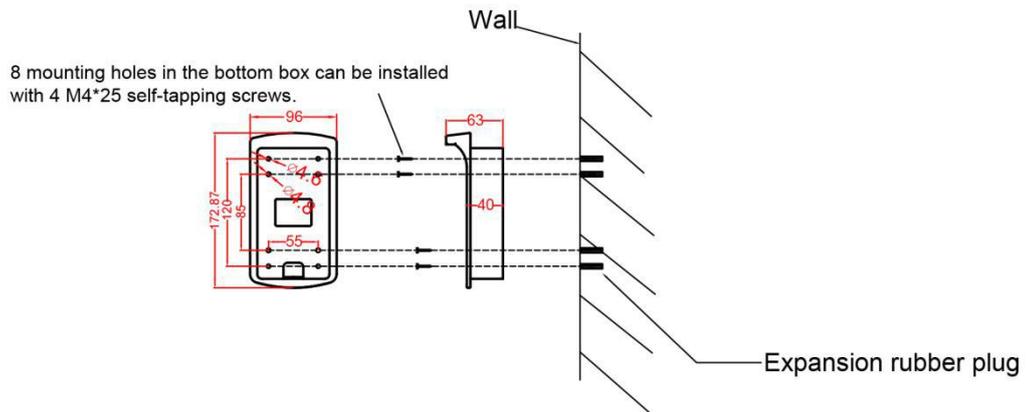
VoIP SIP2.0 telephone  
MTBF:100000hours  
Free dial (maximum length of each number is 32 digits)  
Communication: Full duplex 2-way  
Call Control Signaling: VOIP SIP Info(DTMF), RFC 2833(DTMF)  
Power: Power over Ethernet, IEEE802.3af, Class 0  
Local power, 12VDC, Idle 2W, Max 10W  
Auxiliary Contacts: (option)  
1 Aux Output, dry contact  
Dry contact Load parameter  
Rated load: 0.3 A at 125 VAC; 1 A at 30 VDC  
Rated carry current: 1A  
Max.switching voltage: 125 VAC,60VDC  
Max.switching current: 1A

DTMF dialing  
MTTR: 2 hours

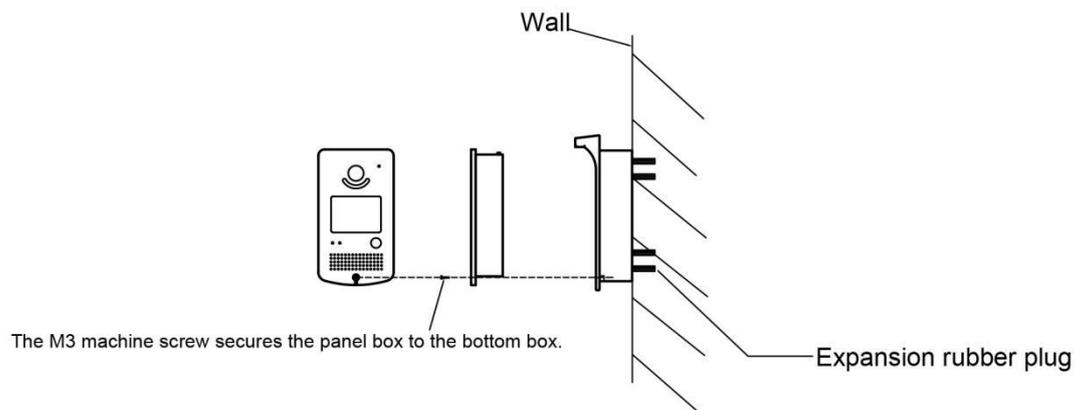
Audio Codes: G.711, G.722, G.729,G723,G.726  
Network: 10/100 BaseTX Ethernet, RJ45 connectors, Cat5e or better  
IP Protocols: IPv4, TCP, UDP, RTP, DHCP, SIP  
1 x LAN Power over Ethernet(PoE,802.3af)  
1 x LAN(IEEE 802.1x), Network Access Control(IEEE 802.1x), STP(IEEE 802.1d), RSTP(IEEE 802.1d-2004)  
Programming: Non-volatile flash memory programming and configuration through Web GUI  
Management and Operation: DHCP and static IP, remote automatic software upgrade, centralized monitoring  
Echo cancellation code: ITU-T G.167/G.168

## INSTALLATION

The first step is to install the bottom box to the wall.



The second step is to load the panel box into the bottom box.



## CERTIFICATION

EN55022: emissions

EN55024: immunity

Ingress Protection: GB4208-93 IP66 FCC

ITU-T Recommendations K21

EMC: EN50121(Railway application-Electromagnetic Compatibility)



## PACKING



1pcs packing box size: 175\*130\*9 mm

G.W: 0.75KG

12pcs in 1 outer carton box: size: 190\*400\*380mm

G.W: 9.4KG

## IMAGE DISPLAY

