#### **ZKBio CVSecurity V6.3.0 SIP Video Intercom Solution**

Content

# 1. Solution Composition 1 1.1Solution Composition: 1 1.2 Application Scenarios: 2 2. Operation Methods 3 2.1 SIP Server Configuration 3 2.2 Adding Speedpalm V5L or Senseface 7A/7B Devices 5 2.3 Assignment of Extension and SIP Accounts 7 2.4 Indoor Unit and Third-Party SIP Device Operations 14 2.5 PC Client Functionality 16 2.6 Voice Interaction and Access Control Linkage 20 3.FAQ: 23

# **1. Solution Composition**

# **1.1Solution Composition:**

#### a. SIP Server

PBX Server or Cloud SIP is utilized for system integration.

#### b. Door Unit:

Speedpalm V5L with firmware version ZAM180-NF50VA-Ver3.6.16 or higher.

Senseface 7A/7B with firmware version ZAM70-NF70VA-Ver1.0.19 or higher.

c. Software:

ZKBio CVSecurity with version V6.3.0\_R or later.

d. Mobile APP:

ZKBio CVSecurity Mobile APP version V1.1.0 or later.

ZKBio CVConnect version V1.1.0 or later.



# e. Indoor Monitoring: VT07-B22 / VT07-B26L/ VT10-B21 f. Phone: VG10-B21A g. PC Client:

**BioTalk Pro** 

# **1.2 Application Scenarios:**

#### 1.2.1 Residential Building Complex

1) Family Model: One SIP account can be used free of charge by 3 family members.

2) Terminal Intercom: Visitors call from the device to the APP or indoor unit to open the door, the APP remotely releases the floor button to the visitor, who then needs to press the button manually.

**3)** SIP Interruption Assurance: After a SIP server disconnection, devices can still communicate with each other without any noticeable difference in user operation; ZKBio CVSecurity has implemented a conversion between extension numbers and direct dial addresses, so even if the SIP service is interrupted, users can continue to dial the extension number on the device to reach the direct dial address without having to enter the complete terminal IP address. --- PBX feature

**4) Intelligent Voice Interaction to Improve Property Management Efficiency:** Similar to 10086, the property can define a service number, such as 1000, and pre-record service voice prompts. This way, residents can dial 1000 and follow the voice prompts to operate, for example, press 1 to automatically transfer to the engineering maintenance department, press 2 to automatically transfer to the cleaning team; press 3 to play property welfare activities, press 8 to replay, press 9 to hang up. -- PBX feature

**5) Economical and Smart Upgrade:** Each guard room, by installing a PC client, can implement video calls and door opening applications. The guard room can better confirm the on-site environment and achieve safe scheduling through video calls with on-site personnel via the PC client, which offers more advantages than traditional phones.

#### 1.2.2 Park office security management:

1) Remote door opening: the visitor device calls to the APP to open the door

2) **The alarm is linked to the mobile phone to avoid missing emergency situations:** in case of emergency situations, such as forced opening of the door, the mobile phone can be linked to the designated SIP mobile phone APP, and the mobile phone will automatically play the alarm voice to avoid missing.

3) **Safety scheduling:** After the monitoring room finds an emergency alarm, it can quickly dispatch the nearby security police to come in and check through the client. Through the PC client, it can synchronize the on-site situation with the real-time video call of the nearby police force's Mobile APP, and can also record the call process to effectively trace the situation of problem handling.

# 2. Operation Methods

#### 2.1 SIP Server Configuration

ZKBio CVSecurity supports 2 kinds of SIP server: cloud SIP and PBX server, users can choose 1 according to the actual situation.

- **Cloud SIP mode:** Users do not need to purchase additional SIP servers, only need to purchase SIP account permission.
- **PBX server:** You need to purchase an PBX server for local deployment. You do not need to purchase an additional SIP account.

#### 2.1.1 Cloud SIP

Enable Cloud SIP: Go to the System ->System Management ->Cloud Setting menu and select Yes enabled Is cloud sip.

1	ZKBio CVSecurit	у		H	
e	System Management	~	Syster	m / System Manag	gement / Cloud Settings
•	Operation Log       Data Management       Area Settings       E-mail Management       Dictionary Management       Diata Cleaning       Cloud Settings       Cloud Settings       Print Template       System Monitoring       Parameters       Authority Management	>	×	PP cloud servi	ce configuration Enable No Yes ZKBio CVConnect ZKBio CVConnect Server Url http://127.0.0.1:6001 Is pushing event data to the cloud platform enabled No O Yes Is cloud sip enabled No O Yes APP enterprise QR code
®	Communication mana	>			OK

**Note:** Ensure the ZKBio CVConnect client is installed if Cloud SIP is activated. After cloud SIP is enabled, the device network needs to be able to connect to the external network before it can be used.

# 2.1.2 PBX Server Integration

Go to **Video Intercom ->Device Management ->Device**, click **New** to add PBX Server, please fill in the relevant parameters of PBX:

UZKBio CVSecurity	::: ¥			
	Video Intercom / Device Manageme	nt / Device		
💷 Device Management 🗸 🗸	Device Name	IP Address D	evice Type Area	Name
Device ★			New ×	
	⊖ Refresh =+ New III Dele	te T Expor Device Name*	PBX GDS	
	Device Name Sta	us Devic Manufacturer*	GDS 👻	Ext
		IP Address*	10 8 51 249	
	<u>10.8.10.174</u> Off	Communication Port*	8089	
		Username*	admin	
		Administrator Password*	•••••	
	«	External network address	* 10.8.51.249:5060	
		Transport Protocol*	UDP 🔻	
		Device Type*	IPPBX 👻	
		Area*	Area Name 🔻	
තීං Extension Management >		ок	Cancel	

*Note:* External the Network Address is used to configure the SIP server, please fill in the correct format as IP:port. UDP,TCP/TSL port number defaults to 5060, you can also log in to **PBX Server** *Web-SIP Settings* to view.

System Status	~	SIP Settings			
品 Extension/Trunk	~	General Session	Timer	TCP/TLS	NAT
😵 Call Features	~	* Bind UDP Port	5060		
🗊 Messaging	~	* Bind IPv4 address	0.0.0.0		
ழා PBX Settings	^	* Bind IPv6 address	[::]		
General Settings		MWI From Header			
SIP Settings		< Enable Diversion Header	<b>~</b>		

After successful addition, it will appear in the list:

<b>TKBio</b> CVSecurity	111 ¥	Ø 😝 admin 🔁
Basic Management >	Video Intercom / Device Management / Device	
Device Management ~	Device Name IP Address Device Type  Area Name  Building Name	Q 🖉
Device ★	C Refresh उन् New 12 Delete 1: Export Section + © Set up + छि View / Get +	
	Device Name   Status   Device Type   Area Name   IP Address   Communic   External ne   Building Name   Device Number   Fi	irmware Vers   Operations
	PBX GDS Online IPPBX Area Name 10.8.51.249 8089 10.8.51.249:50	⊿ 亩
	0.8.16.174 Online Door Station Area Name 10.8.16.174	<u></u> ∠ û [
	<	

#### 2.2 Adding Speedpalm V5L or Senseface 7A/7B Devices

**Step 1** :Access Control Module :Search and add: Configure the device Cloud Server Setting(ADMS function) and connect to the **ZKBio CVSecurity- Access Control module**. For more information, see how to add a PUSH device.

1	ZKBio CVSecurit	ty	::: ¥								
	Access Device	~	Access / Access D	evice / Device							
Γ	Device	٦	Device Name	s	erial Number		IP Address		More* Q 🖉		
	I/O Board		C Refresh	.∓New on Delete	1 Export Q Se	arch 🖳 Contro	ol 👻 🎯 Setup 🤊	🖷 🖪 View / Ge	t 👻 🌻 Communicat	ion 👻	
	Door		Device N	lame Serial N	umber Area Nan	ne IP Address	Status	Device Model	Register Device F	irmware Version	Commands List
	Reader		10.8.16.	174 QUH424	210001 Area Nan	ne 10.8.16. <mark>1</mark> 74	Online	Smart Terminal	• z	AM180-NF50VA-Ver3	0
	Auxiliary Input	1			_	_	Search	_			×
	Auxiliary Output		Search No.	device found? Download	Search Tools to I	ocal Disk					
	Event Type					Searched devices	count-9				
	Daylight Saving Time		Total Progress	100%		Number of device	s added:1				
	Real-Time Monitoring		IP Address	Device T	ype	Serial Nu	mber		)		
	Alarm Monitoring		IP Address	MAC Address	Subnet Mask	Gateway Add	Serial Number	Device Type	Set Server	Operations	
	Мар		10.8.16.174		255.255.254.0	10.8.16.1	QUH4242100010	Smart Termina		This device has been	added
			10.8. <mark>16.</mark> 182	dc:99:fe:00:04:d6	255.255.255.0	10.8.16.1	CN30423050019	AHDU-1460		Add Modify IP Addre	255
			10.8.16.185	00:17:61:20:03:99	255.255.255.0	10.8.16.1	QVT5241600005	Inbio460 Pro F	https://10.8.16.201:8	Add Modify IP Addre	255
ŋ	Access Rule	>	10.8.16.30	00:17:61:12:FE:98	255.255.255.0	10.8.16.1	BRID215260002	inBIO460 Pro	http://10.8.16.88:808	Add Modify IP Addre	255
			10.8.16.57	00:17:61:12:58:7e	255.255.255.0	10.8.16.1	7735231940008	inBIO640	https://10.8.16.144:8	Add Modify IP Addre	255
	Advanced Functions	,	10.8.16.61	34:a7:56:8:11:4c	255.255.255.0		36011150434235	QualityInspect		Add Modify IP Addre	255
11.	Access Control Reports	>	10.8.16.89	34:a7:56:e:3b:70	255.255.255.0		36011150344738	QualityInspect		Add Modify IP Addre	ess

**Step 2:** After adding to the access control module, the device will be automatically synchronized to the Video Intercom module.

**Note:** This means that the device will take both access and video intercom license points. You need to license 2 modules, but you only need to purchase the access control module, please refer to the price list.

TKBio CVSecurity	···· * 0	e admin ~
Basic Management >	Video Intercom / Device Management / Device	
Device Management ~	Device Name IP Address Device Type Area Name Building Name	Q @
Device	⊖ Refresh ∓ New 💼 Delete 1: Export 🖳 Control × 🐵 Set up × 🗟 View / Get ×	
	Device Name   Status   Device Type   Area Name   IP Address Communic   External ne   Building Name   Device Number   Firmware Ver	rs Operation
	10.8.16.174 Online Door Station Area Name 10.8.16.174	2 🛍
688 Extension Management >		
Access Management >		aj

# 2.3 Contact List

If you need to enable different devices or personnel to view a limited number of contacts, you can configure the contact list.

Please note: 1) ZKBioCVSecurity version 6.4.0 and above supports this feature. The device firmware must also be updated to support synchronization of the address book from the software to the device. (Senseface firmware V3.3.1 and above)

To implement the application of devices dialing room numbers/extensions, it is necessary to update to support this address book feature.

#### Step 1 : Create contact list

Click **New** ,then you can create a contact list.

TEXESIO CVSecurity	::: ¥				🥏 🖶 🕵 😝 admin
Basic Management >	Video Intercom / Extension Management / Contact List				
Device Management >	Contact List	<	Extension Number		
😓 Extension Management 🗸	Contacts Name Q 🛱 🤞	2	Extension Number Q	Q	
Extension Number	◯Refresh ∓ New 🛍 Delete 🛧 Export 👻	± Import ▼	◯ Refresh 前 Delete ♥ Enable one-click call	Gancel one-click call	
Extension Assignment	Contacts Name Description	Operations	Extension Number Short Number	Extension Name	Binding Objects
Contact List	test-debbie	<u>/</u> I3	4305	4305-device	192.168.5.132(192.168.5.195)
Voice Interaction	□ zk		New X	4405 indoor device	
	Building 1-Unit1	Contacts Name*	[	device-94	192.168.5.194(192.168.5.194)
	ZKTeco1 Popy testing	Description		person	10522
		Save and New	CK Cancel		

#### Step 2 : Add extension numbers to the contact list.

After clicking on the icon to the right of the address book, you can add extension numbers to the address book. During the process of adding extension numbers, you can define a short

number for the extension on the right, for example, if the number for Room 101 is defined as 101. After defining and synchronizing the short number to the device, the device can then dial the short number 101 to call that room.

	Add Extensi	on			×
e Extension Number Name	Q 🖪 🖉	2			
Alternative	Select	ed(2)			
Extension Number Name		Extension Number	Name	Short Number	
		19121	1912		
<u>_</u>	»	4305	4305-device		
	> <				
No data	<<				
< < 0 > >  50 rows per page ▼					
	OK	Cancel			

**Please note:** If you add an extension number to the address book without editing the short number, and you wish to edit it later, you will need to delete the short number from that contact and then edit it when re-adding, or delete it and use the import function afterward.

# 2.4 Assignment of Extension and SIP Accounts

**Extension Number:** Users can customize the number, for example, for room 401 in unit 1 of building 1, the extension number can be customized to 11401;

**SIP Account:** After the user creates the extension number, the system will automatically generate a SIP account, which is only automatically generated when using the cloud SIP mode.

For example, assuming the user is using the cloud SIP mode and has created the extension number 11401, the system automatically generates the SIP account as 113, so the SIP User Name used on the terminal is 113.

**Step 1:** click **New** in **Video Intercom -> Extension Management -> Extension** to add an extension number

			00					
UZKBIO CVSecur	ity		ж					
Basic Management	> V	ideo In	tercom / Extension Ma	anagement / Extension				
Device Management	>	Name		Extension Number	SIP Account	Q &		
Extension Management	. ~	O R	lefresh 🛨 New 🛍	ÎDelete ∱Export y⊥Imp	ort 👻			
Extension			Extension Number			New		×
LATENSION	_		0000	Name*	Popy test1	Extension Type*	SIP	•
IVR			2930	Extension Number*	555666	Extension Password*	•••••	۲
Extension Binding			<u>32200221</u>	Enable Voice Messaging		Voice Mailbox Password		۲
			1604	Number Of Concurrent	1	Enable Undisturbed Mode		
	"			Registrations*				
	~		<u>666999</u>	Calling Number		Calling Name		
			2406	Direct Dial Address	For example: 10.8. x.x extension encoding, it is recomm	ended to set the same encoding.		
			<u>2802</u>					
			<u>3170153</u>					
			<u>32003791</u>					
			<u>3230024</u>					
			<u>3170156</u>					
Access Management	>		3230020		Save and New	OK Cancel		

Enabling **Cloud SIP** will automatically generate the extension number. If you use a PBX, the extension number will be directly used, and the SIP account list will be empty.

UZKBio CVSecurity	::: ¥	
፰ Basic Management →	Video Intercom / Extension Management / Extension	
Device Management >	Name Extension Number	SIP Account
👪 Extension Management 🗸	🔿 Refresh ∓ New 🛍 Delete 🛧 Export ⊻ Import	×
Extension	Extension Number SIP Account Name	Operations
IVR	<u>5555666</u> zk104983 Popy tes	t1 🖉 🛍
Extension Binding	2936 zk104940 2936	_ û
	32200221 3220022	1 🖉 前
	« <u>1604</u> zk104979 1604	⊿ 前
	<u>666999</u> zk104919 666999	⊿ 前
	2406 2406	_ ₫
	2802 zk104923 2802	⊿ 前
	<u>3170153</u> zk104925 3170153	_ ₫

**Step 2:** Extension Assignment: assign extension number or SIP account number to personnel, devices or system users; After allocation, personnel and users' APP will be able to directly use video intercom for communication. The device can also be used directly without manual additional configuration.

Ţ	ZKBio CVSecurity	1		ж				
ŧ	Basic Management >	. v	'ideo Ir	ntercom / Extension Ma	nagement / Extensi	on Assignment		
<b>a</b>	Device Management >		Exten	sion Number	Sync St	atus	Terminal Type	Binding Objects
	Extension Management 🗸		OF	Refresh 🔲 Extension	Assignment 🛱 S	ynchronized Extension	↑ Export 🚽 Import 👻	
	Extension Number			Extension Number	Terminal Type	Binding Objects	Svnc Status	
	Voice Interaction			77778	Device	Exter	Ision Assignment	^
C	Extension Assignment ★			9741	Personnel	Terminal Type* Personnel ID*	Personnel	
				1401	Device	Extension Number*	System users Device	
		*		32300241	System users			
				661234	Personnel			
				27041	System users			
				58656	Device	ОК	Cancel	
				666321	Personnel	61102	0	
				666222	Device	v5I	Ø	
				32200221	System users	3220022	0	
0	Access Management >			1101	Device	10.8.16.174	0	
11.	Video Intercom Reports >		1<	< 1-50 > >∣	50 rows per page	▼ Jump To 1	/2 Page Total of 76 records	

#### 2.4.1 Device Account Assignment

Select **Binding Type as Device**, Device Name as the device to be bound, and select the extension number. The account information will be automatically synchronized to the device. **Authorized Contact** assigns the address book to the device; only after the assignment can the device call room numbers/short numbers or make calls through the address book search.

Extensi	on Assignment	3
Terminal Type*	Device 🔻	]
Device Name*	Click to select	Ĵ
Extension Number*	Click to select	)
Authorized Contacts 🕐	ZKTeco1 🔹	
		-

#### **Results Verification:**

Device Video Intercom-Account can see that SIP server and account information have been

automatically written, as shown in the following figure.

S Accour	nt
General	
SIP Server	O
Server Address	zktecolotdev.com
Server Port	5060
Login Name	zk104966
User Name	zk104966
Password	
Dtmf	1
Network	
Transport Protocol	TCP

# 2.4.2 Personnel Account Assignment (App)

Binding Type is selected as Personnel;Personnel ID to select the person to be assigned an account;Extension Number :Select the Extension number in Number.

Authorized Contact assigns the address book to the individual, and after the

assignment, the individual can view the contacts in the assigned address book

upon logging into the APP.

Terminal Type	Personnel	•
Personnel ID*	11223366	
Extension Number*	92304	
Authorized Contacts 🕜	ZKTeco1	<b>*</b> 0

Once a person has enabled APP login, they can directly access the Video Intercom feature upon logging into the APP.

<b>TKBio</b> CVSecurity	::: ¥			🖉 🕒 admin ~
💄 Personnel 🗸 🗸 🗸	Personnel / Personnel / Person			
Person	Department Name	Personnel ID 2951 Name	More * Q 🖉	
Department			-	
Position	4 <sup>7</sup> 7 <sup>4</sup>	🔾 Refresh ∓ New 🔓 Personnel Adjustments 👻 🍿	Delete ▼ ↑ Export ▼ ↓ Import ▼	··· More 💌
Dismissed Personnel	部门名称(30)	Personnel ID First Name Last Name	Department Name Card Number	Statistics le App login enab
Pending Review	B 部门名称2(2)	29*1 人****5	部门名称83 29*1	3 Reset Self Login Password
Custom Attributes	③ 部门名称3(5) ⑤ 部门名称4(0)			View Hace Picture
List Library	I 部门名称5(13)			2 Dirable
Parameters	< < < > 部门名称6(38) ③ 部门名称7(4)		G	✓ Enable app login
	回 部门名称8(7)			S Disable app login
	日 部门名称9(5) 日 部门名称10(7)		:	ie; Extracting facial templates
	ID 部门名称11(9)			
	③ 部门名称12(1)			
	回部门名称13(0)			

#### **Result validation:**

After logging in to the APP, the person enters the Video Call application, and the status of the interface will be displayed as Connected. If the person has not assigned an extension number, entering the application will prompt "you have not assigned an extension number, please contact the administrator"

2:06 🔳 🔳	•	101 102 \$101	49ad 49ad <b>95</b> + <b>4</b>
<	• Conne	cted	ي. ا
	All	Missed	
e 2	zk104966	2024-06-	11 14:06:29
د 2	zk104966	2024-06-	11 14:06:25
1	2		3
4	5		6
7	8		9
*	0		#
Ų			$\overline{\mathbf{x}}$

# 2.4.3 System User Account Assignment(App)

Binding Type is selected as System User;

User Name Select the system user who needs to assign an account;

**Extension Number :**Select the Extension number in Number.

**Authorized Contact** assigns the address book to the administrator; after the assignment, the administrator can view the contacts within the assigned address book upon logging into the APP.

Extensi	on Assignment	3
Terminal Type*	System Users 🔹	
Username*	Click to select	
Extension Number*	Click to select	
Authorized Contacts 🕐	ZKTeco1 🔹	

#### **Result validation:**

After the system logs in to the APP, it enters the Video Call application, and the status of the interface will be displayed as Connected. If no extension number is assigned, entering the application will prompt "you have not assigned an extension number, please contact the super administrator"



ZKBio CVSecurity Mobile APP complete operation steps please refer to the document



# 2.5 Indoor Unit and Third-Party SIP Device Operations

Since the indoor unit or the third-party SIP device is not connected to the ZKBio CVSecurity, the SIP address cannot be quickly configured through the ZKBio CVSecurity, so the user needs to configure the device interface by himself. Example: You can go to the web page of a third-party indoor unit to configure the SIP account.

🖽 General 🔺	SIP	
Information	Display Name	
Basic	408	
Time	Register Name	
Password	zk104991	
System	* Username	
J Intercom	zk104991	
Device	* Password	
Network		Ø
SIP	* SIP Server Host	* Port 🛈
Call	zktecoiotdev.com	5060
Phonebook	Outbound Proxy	* Port 🛈
Call Logs	zktecoiotdv.com	5060
0 Security X	* Transport Protocol	
	ТСР	v

- User Name: the extension number or SIP account you created in the ZKBio CVSecurity (if you are using a PBX Server, the user name is the extension number; if it is cloud SIP, the user name is the SIP account)
- **Password:** Password is the password you entered when you created the extension number

<b>TKBio</b> CVSecurity	::: ¥		
Basic Management >	Video Intercom / Extension Management / Extensi	on	
Device Management >	Name Extension Number		SIP Account
🛱 Extension Management 🗸	C Refresh ∓ New 🛍 Delete 🛧 Expor	t ⊻Import -	
Extension	Extension Number SIP Account	Name	Operations
IVR	<u>666111</u> zk104991	室内机1	⊿ 前
Extension Binding	<u>666222</u> zk104990	室内机	⊿ 前
	<u>61102</u> zk104989	61102	<u> </u>
	« <u>61101</u> zk104986	61101	₫ 🛍
	<b>555666</b> zk104983	Popy test1	<u></u>

- Sip Server Host:
  - For a PBX Server setup, the SIP Server Host should be set to the External Network Address.

	rity	Video Intercom / Device Ma	nagement / Device			
Device Management	~	Device Name	IP Address	Devi	се Туре	Are
Device		C Refresh ∓ New	in Delete ⊥ Expo	Device Name*	Edit PBX GDS	×
		Device Name	Status Devi	Manufacturer*	GDS 👻	
		<u>v51</u>	Online Door	IP Address*	10 8 51 249	
		PBX GDS	Online IPPE	Communication Port* Username*	8089 admin	
		10.8.16.174	Offline Door	Administrator Password*		
		«		External network address*	10.8.51.249:5060	
				Transport Protocol*	UDP 🔻	
				Device Type*	IPPBX 👻	
				Area*	Area Name 🔹	

If it is a cloud SIP, you can find the address of the Sip Server Host in the ZKBio CVConnect-Sip intercom application, such as the Singapore Dev selected by Area when my ZKBio CVConnect Client is activated, Application the application of Innosip is found in it, click Enter, and check that the End Point address is "http://innosip.zktecoiotdev.com", Then 'zktecoiotdev.com' is the actual SIP address you need to enter on the device or PC Client.

Please note: The Innosip address is automatically generated based on the Cloud Server Area you select in your ZKBio CVConnect. It is crucial **not to modify the End Point address**. The segment of the address that comes after 'innosip' is the actual SIP host address utilized. For instance, if the address is 'innosip.zktecoiot.com', you should enter 'zktecoiot.com' into the SIP Server HOST field on **your third-party device** to

make it functional, as shown in the diagram provided below.

图片		- • ×		root 🕱
E ZKBio CVConnect				C.224
⊙ Home	Application		Authorstine Tree	E de la contection de l
88 Application		ppia	Mineria Auth	EndPoint
E Interface Mapping	Innosip ser ចានរងបានអ	つ 万 彼 瑞 达 - ZKBic 万 微 端 达 - ZKBic 万 微 場 は - ZKBic の レ ち を に の し の の の の の の の の の の の の の の の の の	Winerva Autor	http://innosip.zxtecosubey.com
Mapping Test				_
System Settings	Number of Interfaces Number of Interface Ma	ppings Number of Interfa		¢
₿ Log Ý		Enter		Reset Query
				+Add C I 🕸

The following is an example of the web configuration page for a third-party device:

* SIP Server Host	* Port ()
zktecoiotdev.com	5060

#### • Transport Protocol:

- PBX Server: Supports UDP,TCP,TSL protocols
- Cloud SIP: supports TCP and TSL protocols

# 2.6 PC Client Functionality

To use the BioTalk Pro PC client, please contact the appropriate person for an

installation package.

#### **Operation Guide**

Step 1 : Create an account:Click USE A SIP ACCOUNT button



Step 2:Fill in the SIP account information in order

**Username:**SIP Account

Display Name:Caller ID Name

SIP Domain:SIP Server Domain

Password: The password of sip account

Transport : Transportation Protocol

BioTalk Pro				- 🗆 X
PP Sip:zk105134@zktecoiotdev.com	Search contact, start a call o	or a chat	Q	888 B <sup>®</sup> B <sup>®</sup>
	U	SE A SIP ACCOUNT		
	Username	Display name (o	ptional)	
	zk105135	Popy test		
8	SIP Domain			
-	zktecoiotdev.com			
	Password			
	•••••			
	Transport			
	TLS		~	
Ø		BACK		

Wait 1 minute until the status shows Connected, as shown below:



*Note:* In the Cloud SIP mode, if dialing is required, the PC Client should dial directly to the target SIP account. For example, if the extension number created on ZKBio CVSecurity is 401, the corresponding generated SIP account is 111, then the PC Client should dial 111 when making a call. Therefore, it is recommended to directly create a contact in the address book with the number 111.

At this point you can start to use it normally, the PC client, the device and the app can call and answer each other!

#### Validation of results:

When the PC Client receives a call, a window alert will pop up in the lower right

corner of the desktop.



#### Note:

 $\odot$  What should I do if the PC client does not display the device site's screen

when a call is made from the Speedpalm V5L device?

A: Click Settings button-->Preferences, enter the configuration page, then click

Video-->Video codecs to enable H.264.

oTalk Pro	SIP account:	s ⊏ļ0 Audio	Calls and Calls and C	Chat	Network 🥝	User Interface	e 🔘 Advanced	
sip:zk105134@zktecoioto	Video capt	ure parameters						
S SI		Video input device	Directshow capture: HP HD C	Camera		~		
		Video preset	Default			~		
SIP ACCOUN		Video resolution	vga (640x480)	~				
COMPANIES								
E-MAIL(S)								VIDEO PREVIEW
E-MAIL(S) WEBSITE(S)	Video code	cs						VIDEO PREVIEW
E-MAIL(S) WEBSITE(S) ADDRESS	Video code	Description		Rate (Hz)	Bitrate (K	ːbit/s) Para	ameters	VIDEO PREVIEW
E-MAIL(S) WEBSITE(S) ADDRESS	Video code Name H264	Description	to Codec provided by Cisco Sy	Rate (Hz) 90000	Bitrate (K	(bit/s) Para	ameters ofile-level-id=42801F	VIDEO PREVIEW Status
E-MAIL(5) WEBSITE(5) ADDRESS	Video code Name H264 VP8	Description OpenH264 Vide A VP8 video end	to Codec provided by Clsco Sy coder using libvpx library.	Rate (Hz) 90000 90000	Bitrate (K 1500	(bit/s) Para + pro + -	ameters offie-level-id=42801F	VIDEO PREVIEW Status
E-MAIL(S) WEBSITE(S) ADDRESS Preferences	Video code Name H264 VP8	Description OpenH264 Vide A VP8 video end	to Codec provided by Cisco Sy coder using libvpx library.	<b>Rate (Hz)</b> 90000 90000	Bitrate (K 1500	(bit/s) Para	ameters offie-level-id=42801F	Status

D How can I remotely open the device's door from the PC client?

A: Click Settings button --> Preferences, enter the configuration page, clickCall and Chat, and enable Show DTMF keypad automatically under Calls menu;

	O sir accounts - Cle Mano	LA HOUSE	G can's and char	" neurone Of oser internace	C Automotion
PP Sip:2k105134@zktecoiotd	Calls				
🗅 💽 sr	Encryption	None	~	Encryption is mandatory	$\bigcirc$
s.	Auto answer	$\bigcirc$		Delay (in ms)	0
SIP ACCOUN	Auto answer (with video)				
COMPANIES	Show DTMF keypad automatica			Keep call windows in background	$\bigcirc$
E-MAIL(S)	Call when registered	$\bigcirc$		Automatically record calls	$\bigcirc$
WEBSITE(S)	Enable screenshots	$\bigcirc$			
ADDRESS	Chat				
	Enable notifications				
	Enable notification sound			Notification sound	ds\linphone/incoming_chat.wav

After calling from the device to the PC client, you can open the door by clicking on the keypad and entering the DTMF value of the device, e.g. the default value of ZKTeco device is 1, so you can click on 1 at the keypad.



# 2.7 Voice Interaction and Access Control Linkage

This feature is only supported on PBX servers.

This function can be used for two major applications: access control linkage IVR ; IVR intelligent

voice interaction.

#### 2.7.1IVR intelligent voice interaction

The IVR system can improve service efficiency, reduce labor costs, and provide users with 24-hour uninterrupted service. For example, assuming that the extension number of IVR configured by the user is 10086 and the voice guidance content has been configured in advance, the user can automatically play the guidance content after calling the 10086 through APP. The user can press the button according to the guidance, such as pressing 1 to call the manual service, pressing 5 to hang up, etc. (At present, ZKBio CVSecurity Mobile App does not support keyboard input during calls, which is supported in the next version; The current version can be used with indoor units)

#### **Configuration Steps**

Click **New** in **Video Intercom -> Extension Management ->Voice Interaction** to start configuring the intelligent voice interaction function.

1	ZKBio CVSecurit	ty		¥								
E	Basic Management	>	Video Inte	rcom / E	xtension Manage	ment / Voice Intera	ction					
æ	Device Management	>	Name	Name Q &								
0	Extension Management	~	O Ref	iresh				New			×	
	Extension Number			Device	Basic Inform	PBX GDS	• Name*	Test Group	Number*	500		
L	Voice Interaction			PBX GE	Description							
	Extension Assignment 🖈				A Please click to	jump to the device's w	eb service interface c	onfiguration prompt ton	e Click to access the de	vice's web service		
			«									
							OK	Cance	el			
					-		_				_	

- **Basic Information:** Select PBX server and enter the extension number of IVR to configure basic information.
- **Keypad:** Configure the content of keyboard input and the corresponding output action.

		New	×
Basic I	information Keypad		,
Add			î
Key	Action	Text	Operations
1	Extension	9997	<u>Edit Delete</u>
•			
		OK Cancel	

**Please note:** After the configuration is completed, you need to enter the PBX Web-IVR page to find the IVR configuration information, and click "Edit" to update the voice information.

		IVR > Edit IVR: Test Grou	p			
品 Extension/Trunk ~		Basic Settings Key Pr	essing Events			
😵 Call Features 🔷 🔨		Return to IVR Menu				The audio file must be less than 5 MB in
Meeting		Alert-info	None	~		file size with a file extension of .mp3/. wav/. ulaw/. alaw/. gsm. WAV files must be PCM encoded 16 bit mono. and
IVR	I	* Prompt	gaojing.wav	×	🔥 Upload Audio File	8000Hz. If uploading a compressed file, the file
Voicemail				Add Prompt	•	extension must be .tar/.tgz/.tar.gz, and the file size must not exceed 50MB. File name can only contain alphanumeric
Ring Groups	<	* Digit Timeout (s)	3			characters and special characters
Restrict Calls		* Response Timeout	10			
Paging/Intercom		* Response Timeout Prompt	ivr-create-timeout	v	🔥 Upload Audio File	
Operator Panel		* Invalid Input Prompt	invalid	~	🔥 Upload Audio File	
Call Queue		_ Response Timeout Prompt	2 0			
Pickup Groups			Cancel Save			

#### 2.7.2 Access control linkage

Go to **Access ->Access Rule ->Linkage** and click New to start configuring linkage. The Video Intercom can be found in the output action. You can select the IVR and the extension number to call.

Once the configuration is complete, upon the occurrence of a trigger condition, the system will route the call to the designated extension number, and the IVR voice message will

1	ZKBio CVSecurity	::: ¥			
6	Access Device >	Access / Access Rule / Linkage	Linkage Name* test	Edit	× 2.168.137.65
ŧ	Access Rule ~	Linkage Name	Linkage Trigger Conditions* Add	Input Point*	
	Set Access By Levels Set Access By Person Set Access By Department	<ul> <li>○ Refresh ∓ New 前 Delete</li> <li>□ Linkage Name Device N</li> <li>□ test 192.168.</li> </ul>	1	192.168.137.65-1	
	Linkage Anti-Passback First-Person Normally Open Multi-Person Group Multi-Person Opening Door Verification Mode	e	Output Point Video Linkage  VR ttest  Votfication recipients <u>Add</u> 666789  666321 (Personnel personnel: 61102)	E-mail Intrusion	Video Intercom
	Verification Mode Group Parameters Advanced Functions Access Control Reports	Υ  < < 1-1 → →  50 ro	Please ensure that the selected notification targets have be the widen intercom linkage function will not be available     Of	cen distributed and registered with the IVR	s associated devices; otherwise,

play, ensuring that security personnel do not overlook any emergency alarms.

# 3.FAQ:

1. How to unbind an already assigned extension number?

**A:** You can go to the Extension Assignment page, find the extension number that needs to be unbound, and click on the unbind icon in the Operation column to complete the unbinding.

1	ZKBio CVSecurity			ж								
Ŧ	Basic Management >	v	Video Intercom / Extension Management / Extension Assignment									
	Device Management >		Extension Number Sync Status Terminal Type Binding Objects									
***	Extension Management 🗸 🗸		OF	Refresh 🕼 Extension /	Assignment 🛱 Synchr	ronized Extension $  { m  m  m  m  m  m  m  m  m  m  m  m  m  $	ort 👻					
	Extension Number			Extension Number	Terminal Type	Binding Objects	Sync Status	Operations				
	Extension Assignment			1234	Device	192.168.137.60(192.168.137.60)	0	(IP)				
	Contact List	*		4305	Device	192.168.5.132(192.168.5.195)	0	67				
	Voice Interaction			115	Personnel	142536	0	(17) (17)				
				5202	Device	192.168.52.121(192.168.52.121)	0	(7)				
				5202	Personnel	5200020	0	(D)				
				117	Personnel	369(Poy)	0	(D)				
				24401	Device	192.168.5.194(192.168.5.194)	0	[]. 2				
				001	Device	SenseFace7A-SG(192.168.1.208)	0	(D)				
				001	Personnel	1220403(tory tang)	0	(13)				
				24405	Personnel	10522	0	(D)				
0	Access Management >			1912	Personnel	10028(JK)	0	R				