Video Intercom Second Generation Indoor station v2.1.2_build191014 Module door station v2.0.8_build191029 Firmware Release Note (2019-10-22)

Device Model: Device Model.xlsx	Firmware Version	2nd Gen Indoor Station v2.1.2_build191014
		Module Door Station v 2.0.8_build191029
		Sub-module v1.0.0_build191009
		Display module v1.0.1_build190814
	SDK Version	HCNetSDK V6.1.0.45_build201909
	Hik-Connect APP	v3.10.3_345742

Reason of Upgrade

Optimize the legacy issues of the v2.0.0 baseline version and implement several new features;

Involved model

2nd Gen indoor station DS-KH8350-WTE1/ DS-KH8350-TE1 DS-KH6320-WTE1/ DS-KH6320-TE1 DS-KH8520-WTE1

Module door station DS-KD8003-IME1 DS-KD-KK/DS-KD-KP/ DS-KD-IN DS-KD-M/ DS-KD-E DS-KD-DIS

2nd Gen 2-wire device DS-KH6320-WTE2 DS-KD8003-IME2

<u>New Features</u> Indoor Station

1. Allows the indoor station to support capturing images, leaving messages, and receiving iVMS-4200 client message without an SD card. But restarting will cause this information to be lost. (Note: When the device has data, insert the SD card. The device will clear the existing information which already stored in the device);

Total device memory capacity	2MB
Max. SD card capacity	32GB
capturing image/ per.	200kb
leaving message / per.	50kb~300kb
client message / per.	About 100kb~400kb

If the memory is full, the device will overwrite the old data with new ones

2. Indoor station play leaving message interface to add animation effect;

<		Visit	or Message		Ê
No.1	-))	31''		2019-10-22 16:50:23	-0
No.2	•))	30''		2019-10-22 16:48:37	Ē

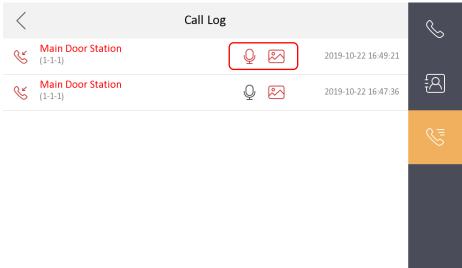
3. Add the function of the door station and IPC capture in the preview interface;



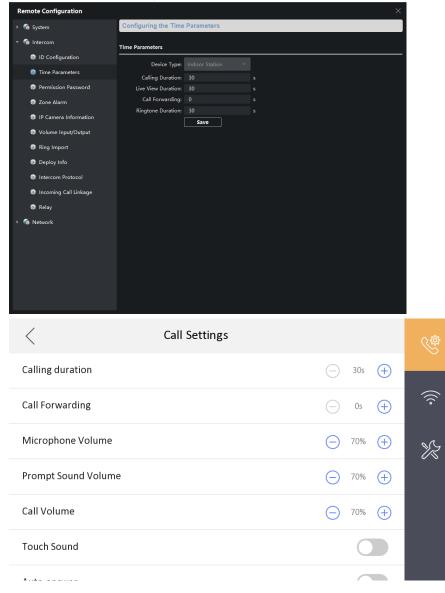
4. Add the automatically hang up function, when you click the unlock button, it will exit the current interface after 5s;



5. Add call log associate leaving message and capturing picture function;



6. Indoor station 'Ringtone Duration' support configuration, the maximum does not exceed the current maximum 'Calling Duration';





7. Add iVMS-4200 client to import ringtones to indoor station (Up to 4 can be imported, 3 by default, a total of 7 for customers to choose);

Remote Configuration							×
🕨 🔞 System	Ring Con	figuration					
👻 🚳 Intercom	Index		Size		Add	Delete	
ID Configuration		Name	Size	Туре			
🏶 Time Parameters					+		
🏶 Permission Password					+		
🏶 Zone Alarm					+		
🏶 IP Camera Information					+		
🏶 Volume Input/Output							
🏶 Ring Import							
🏶 Deploy Info							
🏶 Intercom Protocol							
🏶 Incoming Call Linkage							
🏶 Relay							
🕨 🌀 Network							

Format rules: .wav ≤300KB

<	Call Settings Ring	tone		
Ringtone			all_ringtone1 >	
Ringtone duration	call_ringtone3		─ 30s +	(((°
Calling duration	Hello World		— 30s 🕂)Z
Call Forwarding	Hello Sea		— 0s 🕂	
Microphone Volume	Hello Sky		─ 70% +	
Prompt Sound Volume	Cancel	ОК	<u> </u>	

8. Add the function of switching preview screen to IPC when the indoor station is called;

Main Door Station 1-1-1	0:00:07
2 🕞 🕓	



9. Add the function of indoor station can add third-party IPC through ONVIF protocol.

Remote Configuration				×
🏶 General	IP Camera Information			
🏶 Time	IP Camera Information			
🏶 System Maintenance	Add	P Camera	Import	
🏶 User	Inde: Device Type:	Camera 🔻	Manufacturer Protocol User	Password
🏶 RS485	Getting Stream Mode:			
🏶 Security	Device Name:			
🝷 🊱 Intercom	IP Address:			
🏶 ID Configuration	Port:			
🏶 Time Parameters	User Name:			
🏶 Permission Password	Password:			
🏶 Zone Alarm	Camera No.: Manufacturer Protocol:			
🌸 IP Camera Information	Manufacturer Protocol:	HIK Protocol		
Volume Input/Output		ONVIE		
🏶 Ring Import			T F	
🏶 Deploy Info				
🏶 Intercom Protocol				
🏶 Incoming Call Linkage				
🏶 Relay				
Network				
P & Network				

<	Add Device	
Protocol Settings		onvif >
Device Name	011/15	Please enter the device name
IP Address	ONVIF	Please enter the IP Address
User name	HIK Protocol	Please enter the user name
Password		Please enter the password

Module door station

1. Add the function of module door station IP address voice broadcast. Within 10 seconds after the device is started, press the button of the main module for 5 times, and the device will broadcast the current IP address in English;

2. Module door station supports card issuing via iVMS-4200;

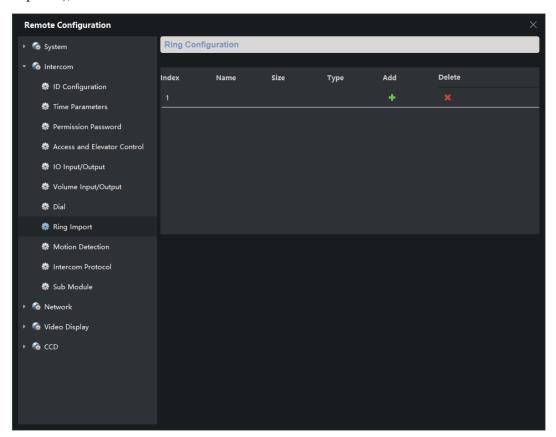
Settings		×
Mode	🔿 Local 🛛 💿 Remote	
Device		•
	Search	Q
	DS-KD8003-IME1	
ख्य settings		J



3. Module door station supports Outer Door Station function;

Remote Configuration		
🕨 🏟 System	Configuring the Room Numbers	
🝷 🊱 Intercom	Device No. Configuration	
🔅 ID Configuration		<u> </u>
🏶 Time Parameters	Device Type: Door Station 👻	
🏶 Permission Password	Building No.: Outer Door Station	
🏶 Access and Elevator Control	Unit No.: 1 Outer Door Station	
🏶 IO Input/Output	Floor No.: 1	
🏶 Volume Input/Output	No.: 0	
🏶 Dial	save	
🏶 Ring Import		
🏶 Motion Detection		
🏶 Intercom Protocol		
🏶 Sub Module		
🕨 🊱 Network		
🕨 🚱 Video Display		
• 🚱 CCD		

4. Add iVMS-4200 client to import 'waiting ringtone' to module door station (Up to 1 can be imported);



5. Module door station supports external card reader. External card reader supports swiping card and password unlocking

Support models: DS-1101M/K, DS-1102M/K, DS-1103M/K, DS-1104M/K, DS-1107M/K and DS-1108 M/K;

6. Module door station supports security module. Currently module door station only support to connect security module to the second lock;

The security module dip switch is shown in the figure below



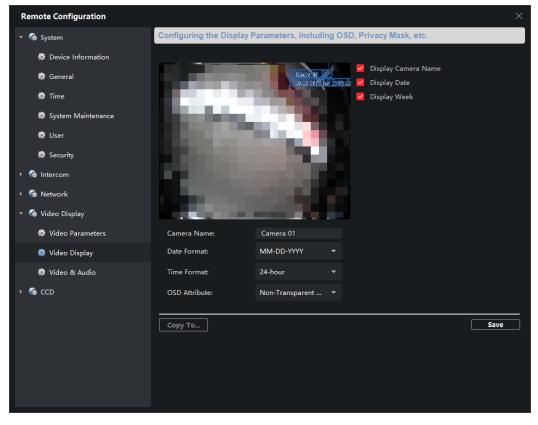
Change the IO output to SecurityModule by iVMS-4200

Remote Configuration			
🕨 🍖 System	IO Input/Output		
🔹 🚱 Intercom	IO Input		
🏶 ID Configuration	IO Input No:	Al1 -	
🏶 Permission Password	Input:	Door Status 👻	
🏶 Access and Elevator Control	IO Output		
🌼 IO Input/Output	IO Output No:	DOOR2 -	
🏶 Volume Input/Output	Output:	Disable 👻]
🏶 Dial		Disable	
🏶 Ring Import		Electric Lock	
🏶 Motion Detection		SecurityModule	
🏶 Intercom Protocol			
🏶 Sub Module			
🕨 🍓 Network			
🕨 🍖 Video Display			
• 🚱 CCD			

Wire for connecting module door station and card reader, security module 101512130 RS485, PHS4 to 20PEN, 150mm, yellow/orange (Wire has been added to the bracket package KD-ACW / KD-ACF)



7. OSD supports name, location and time format configuration;





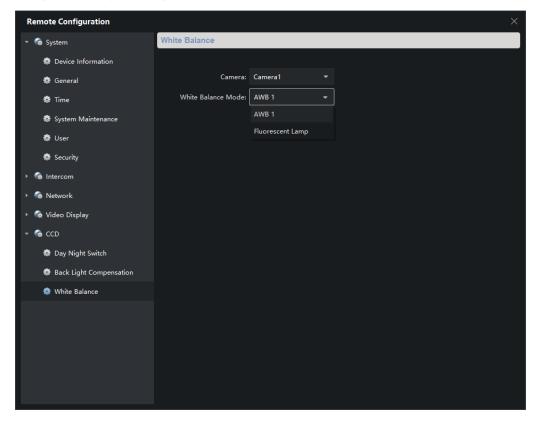
8. Module door station supports day and night switching

Remote Configuration				×
🕨 🚱 System	Day Night Switch			
🕨 🊱 Intercom				
🕨 🊱 Network	Camera:	Camera1 🔫		
🕨 🕼 Video Display	Day/Night Mode:	Auto 👻]	
- 🚱 CCD	Filtering Time:	Day		
🏶 Day Night Switch		Night		
🏶 Back Light Compensation		Auto		
🏶 White Balance		Schedule		

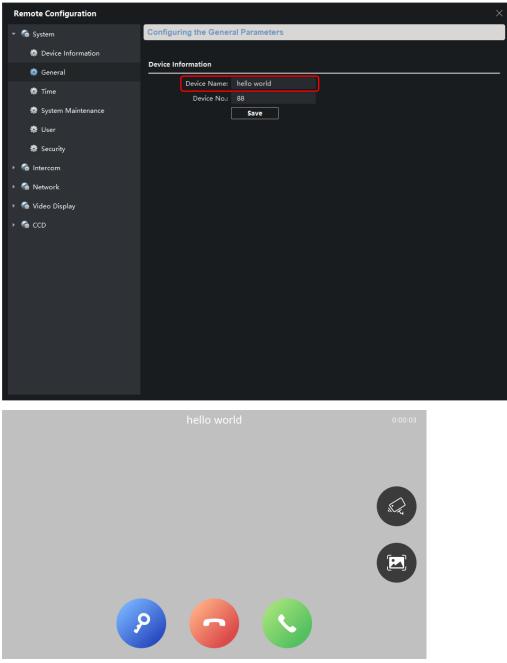
Night mode means infrared mode, each module backlight will be lit

9. Add white balance mode configuration

AWB 1 means auto mode; Fluorescent Lamp is used to solve the purple problem caused by the background being mostly green.



10. Added the function to customize the name of the door station to display when calling the indoor station



2-Wire device

1. Add 10M, 100M or AUTO communication in the indoor station network configuration interface or iVMS-4200 client configuration interface. It is used when the distance between two-wire devices is too long, resulting in slow adaptation.



					×
Remote Configuration	Configuring the Advan	ced Network Settings			
Device Information					
🏶 General	NIC:	NIC 1 -			
🏶 Time	DNS1 IP Address:	8.8.8.8			
🏶 System Maintenance	DNS2 IP Address:	8.8.4.4			
🕸 User	NIC Type:	10M/100M/1000			
🟶 RS485		10M Full-Dup			
		100M Full-Dup			
🏶 Security		10M/100M/1000M Auto			
▶ 🍖 Intercom					
🝷 🎡 Network					
Local Network Configuration					
Linked Network Configuration					
🏶 Advanced Settings					
🏶 Hik-Connect					
<	Network	Settings			
<	Network	Settings			(j)
	Network	Settings			(j)
C DHCP	Network	Settings		0	(j)
Ψ	Network			0	(j)
C DHCP Subnet Mask	Network	Settings NIC Type		255.255.255.0	(j) ()
Ψ		NIC Type		255.255.255.0	(j)
Ψ	Network	NIC Type		255.255.255.0	(j) () () () () () () () () () () () () ()
Subnet Mask	100M Full-	NIC Type Dup			() () () () () () () () () () () () () (
Subnet Mask Gateway	100M Full-	NIC Type	~	10.9.96.254	
Subnet Mask	100M Full-	NIC Type Dup	~		
Subnet Mask Gateway DNS Address	100M Full-	NIC Type Dup 1/1000M Auto	OK V	10.9.96.254	
Subnet Mask Gateway	100M Full- 10M/100M	NIC Type Dup 1/1000M Auto	OK	10.9.96.254	(ĵ) ⊕ SIP
Subnet Mask Gateway DNS Address	100M Full- 10M/100M	NIC Type Dup 1/1000M Auto	OK	10.9.96.254 8.8.8.8	
Subnet Mask Gateway DNS Address	100M Full- 10M/100M	NIC Type Dup 1/1000M Auto		10.9.96.254 8.8.8.8	
Gateway DNS Address 2	100M Full- 10M/100M	NIC Type Dup 1/1000M Auto		10.9.96 254 8.8.8.8 8.8.4.4	

Function optimization

1. The indoor station wizard selects the first door station by default. If the door station is in inactive state, and directly clicks Finish, and the door station will be directly activated by using the indoor station password;

The default value of the indoor station DNS address is corrected to DNS1: 8.8.8 DNS2: 8.8.4.4;
 The indoor station local admin password is changed to the activation password, which is no longer the default 888999. The arming and disarming password cancels the default value. When there is no password, the iVMS-4200 and the local need to configure the new password. (Note: if the indoor station device already activated, after upgrading the firmware, the admin password is still 888999; it need to restore factory settings to take effect).

4. Arabic and English in voice announcements switch to male voice.

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect

automatically after upgrading from previous versions. We'd like to inform you the above

changes. Also, we are sorry for any possible inconvenience of use-habit changes caused by

this action.

For questions or concerns, please contact our local technical support team.

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