## AX PRO

## Version: V1.2.9

## **Release Note**

## (2023-07-16)

### **1. Firmware Basic Information**

Firmware	Firmware Version	V1.2.9_build230711
Basic Information	Device Туре	DS-PWA64-L-WE/WB DS-PWA96-M-WE/WB DS-PWA96-M2-WE/WB DS-PWA96-M2H-WE/WB

#### Notes:

- 1. Please update firmware to the latest version to ensure the perfect user experience.
- 2. For installers, it is recommended to install and maintain devices via Hik-Partnerpro.

### 2. V1.2.9 Upgrade Note

### 2.1 New Add Functions:

#### 1) Add function of Automatically Synchronize Status Updates.

Areas status of arm and disarm, door magnets status of trigger that displayed in Hik Partnerpro will be automatically synchronize status updates when **the panel is not be** hand over.

#### 2) Add function of display the amount of fault in HC/HPP APP.

It will display the **amount of fault** on fault retrieve button, press the fault retrieve button to check current panel fault.



Figure2-1 HC/HPP APP

#### 3) Add function of panel and repeater battery fault check.

When the fault occurs, **record log and report battery fault event**. Fault check includes:

- (a) After 40 minutes of battery charge, the battery voltage still can't up to 3.2V;
- (b) The battery voltage abnormal change;

(c) Detect the temperature sense line whether disconnect, battery will stop charge when the line is disconnected.

#### 4) Support custom the alarm voice prompt in HC only for Android.

For different types of alarm events, it can configure audio broadcast for default or configure customized audio broadcast. Default audio broadcast can select audio with text or pure prompt audio. The format of audio file is supported mp3, aiff, the time of each audio file should be less than 30s.

B € <sup>133</sup> 0 @ 33% ( ) 9:18 More	■ 🛠 🛵 ■ 🖉 34% 🖃 9-18	■ 🕸 🖬 🔹 🗣 34% 🖭 9:18 K Alarm Audio Settings	D 🛱 🖧      D 🗇 34% 🗁 9/18        ✓     Alarm/Lid Opened
admin_sgp	Notification Sound Soft >	Alarm/Lid Opened Voice >	Alarm Audio Voice
Pictures and Videos	Alarm Audio Notification	Panic Alarm Voice >	Ringtone
≪ Manage Sharing Settings >	Alarm Audio Settings	Fire Alarm Voice >	Customize Alarm Audio (*.mp3)
	If the function is enabled, there will be voice prompts while receiving the special alarm reports.	Medical Alarm Voice >	Add Audio File
Q Reset Device Password >	The settings will take effects after re-login.	Disarm Voice >	
Configure Network	Save Device Parameters	Gas Alarm Voice >	
E Linked Service provider	The device parameters will be saved automatically. You can have access to the videos conveniently.	Arm Voice >	
Company Name Hikvision Email @163.com	Auto-receive Alarm after Powering ON	Status/Operation Voice >	
⊕ FAQ >	in background and receive alarm messages automatically while the phone is power on. This may consume more power.		
⑦ Help >	Custom Audio Management	1	
Feedback >	Generate QR Code		
Share Hik-Connect     Share Hik-Connect     Share Hik-Connect     Share Hik-Connect     Me	Traffic Statistics	0	۵

Figure4-1. audio customization in HC for android

### 5) Add function of Displaying Last Triggered Time and Last Picture information columns for Device status in Health Monitor Report. The details are as follows:

- 1. Time of the last alarm triggered for the zone.
- 2. Time of the last operation for keypad/tag reader/keyfob.
- 3. Time of the last linked output open/close for automation module(wired/wireless

relay, wall switch, smart plug)

- 4. Time of the last linked alarm for sounder
- 5. Time of the last alarm triggered for single/multiple transmitter
- 6. Time of the last alarm trigger time of on-board IPC
- 7. Time of last capture picture for PIRCAM/outdoor detectors
- 8. The status information (online status, Tamper status, power status) of wired relay

for On-board transmitter report. Notice: just for DS-PWA96-M2H-WE and DS-PWA96-M2H-WB model panel

	Device St	atus <mark>(NO</mark>	T PASS]									
	Results	Name	Туре	Tampering Status	Bypass	Polling	Battery Level	RF Signal Strength	Extension Module	Last Trigged Time	Last Capture Time	
	NOT PASS	Wireless Zone 1	Wireless Zone	Yes	No	ОК	Normal	Strong		2023 <b>-</b> 04- 07T19:17:31+08:00		
	NOT PASS	Wireless Zone 2	Wireless Zone	Yes	No	ОК	Normal	Strong		2023-04- 07T19:22:19+08:00		
	PASS	Transmitter 1	Wired Zone	No	No							
	NOT PASS	Wireless Zone 4	Wireless Zone	Yes	No	OK	Normal	Strong		2023 <b>-</b> 04- 07T19:14:35+08:00		
https	://hpc-sgp-ua	at-3.hik-partr	ner.com/HikPro0	Connect/inde	x.html#/	odfView?	?type=no	rmal				2/3
4/7/2	2023						Hik-P	artner Pro				
	NOT PASS	Keypad 1	Wireless Keypad	Yes		ОК	Normal	Strong		2023-04- 07T19:47:07+08:00		
	PASS	Transmitter 1	Wireless Transmitter			ОК	Normal	Strong				

Figure 5-1 portal health monitor report

2023-04-07T19:36:02+08:00

#### 6) Add configuration option in keypad configuration interface

Add Remote Arm/Disarm Indication configuration option, it can enable or disable this option via web and App. Default is disable.

All LED keypad supported this function whatever the old or new versions, LCD

keypad need to upgrade firmware version to V1.0.6.

Keyfob 1

Keyfob

HIKVIS	510N®		
ē	Area	🕞 Keypad 2	
Overview	Mount Device		After disabling, fire alarm, medical alarm and panic alarm button will not work.
User Management	Device Enroll Mode	Arming Without Password	
â	Zone		If enabled, the Arming Process function will be unavailable when you arm areas.
Device Management	Network Camera	Active on Entry Delay	
ن Configuration	Sounder	Chime Indication	
ব	Automation	Remote Arm/Disarm Indication	
Maintenance and Security	Repeater	Polling Rate	Smin ~
	Keypad	Polling failure Times to determine of	4
	Tag Reader	Backlight	
	Keyfob	Backlight Off Time	
	Expander	Alarm Buzzer	
		Button Buzzer	
		Silent Panic Alarm	
		Silent Medical Alarm	

Figure6-1. LED keypad

	Area	🕞 Keypad 1		
New -	Mount Device	Operation Mode	Simple Mode     Standard Mode	
sr sroont	Device Enroll Mode		The system will not be compliant with the Europe EN50131-1 standard after you enable this configuration option.	er
	Zone	Arming Without Password		
ce ement	Network Camera		If enabled, the Arming Process function will be unavailable when you arm areas	
	Sounder	Keypad Awake Time	10 s	
auon	Automation	Active on Entry Delay		
ance	Repeater	Chime Indication		
	Keypad	Area Status		
	Tag Reader	Remote Arm/Disarm Indication		
	Keyfob	Polling Rate	Smin	~
	Expander	Polling failure Times to determine of	4	
		Backlight		
		Backlight Off Time		
		Keypad Brightness	0 2	

Figure6-2. LCD keypad

After enable this option, keypad which linked areas can prompt areas have been armed/disarmed (include auto-arm/disarm) when remote arm/disarm areas (APP/tag reader/keyfob/keypad).

When arm/disarm successful:

LED keypad auto-active, buzzer makes a DiDi sound and keypad flashes the LED of arm/disarm.

LCD keypad auto-active, the screen display arm/disarm successful prompt, buzzer makes a DiDi sound and keypad flashes the LED of arm/disarm.

# 7) Add configuration option(Area Status) for LCD keypad, enabled by default.

#### This function need to upgrade LCD keypad firmware version to V1.0.6.

(a) After disable Area Status option, when panel doesn't have alarm events, LCD keypad display the contents of TEXT1 and TEXT2 [editable text like Company name and phone number.] as 7-1 shows.

(b) After enable Area Status option, when panel doesn't have alarm events, LCD keypad display the specific arm and disarm status of areas rather than display the contents of TEXT1 and TEXT2, as 7-2 shows.

(c) After disable Area Status option, when panel has alarm events, LCD keypad

display "Alarm", as 7-3 shows.

(d) After enable Area Status option, and when panel has alarm events, LCD keypad display "Alarm" first, then display the specific alarm event automatically after keypad get the information. LCD keypad will display the name of zones or peripherals, and display the causes of alarms such as tamper alarm, zone alarm etc. LCD keypad priority display the latest alarm information according to the time of alarm triggered; display up to twenty alarm events. As 7-4 shows



Figure7-1 Area Status disabled and no alarm

		6		ň
2023 •Are Are Are	/04/25 a 1 a 2 a 3		11 2 仓 仓	29
19.	28с	3 <sup>@</sup>	٩	
4 <sup>8</sup>	5.1кг.	6мно	ø	û
78	8тич	9₩ž	\$ <u>7</u> ;	
**	0-			

Figure7-2 Area Status enabled and no alarm



Figure 7-3 Area Status disabled and with alarm



Figure7-4 Area Status enabled and with alarm

#### 8) Add multiple language for LCD keypad

#### This function need to upgrade LCD keypad firmware version to V1.0.6.

The new multilingual types supported on the LCD keypad are: Danish, Lithuanian, Norwegian, Brazilian Portuguese, Swedish, Slovenian, Ukrainian, and Bulgarian.

- 9) Add Peripherals Battery Lost/Restore Event Report Peripherals Battery Lost/Restore Event will report Ezviz Cloud.
- **10)Add Version Information to Panel Remote Upgrade Log** Version information will be added to panel remote upgrade log additional information.
- 11)Add single audio packages, program packages and merged packages web upgrade function.

#### 12)Add Detectors that Made in China Access

- (1) Product Name: PIR Curtain, Model: DS-PDC15-EG2-WB(B), Parameter configuration and addition method same as DS-PDC15-EG2-WB.
- (2) Product Name: PIR Curtain, Model: DS-PDC15-EG2-WE(B), Parameter

configuration and addition method same as DS-PDC15-EG2-WE.

- (3) Product Name: PIR, Model: DS-PDP15P-EG2-WB(B), Parameter configuration and addition method same as DS-PDC15-EG2-WB.
- (4) Product Name: PIR, Model: DS-PDP15P-EG2-WE(B), Parameter configuration and addition method same as DS-PDC15-EG2-WE.
- (5) Product Name: Magnetic Contact, Model: DS-PDMC-EG2-WB(B), Parameter configuration and addition method same as DS-PDMC-EG2-WB.
- (6) Product Name: Magnetic Contact, Model: DS-PDMC-EG-2WE(B), Parameter configuration and addition method same as DS-PDMC-EG2-WE

### 2. Feature Optimization:

#### 1) Upgrade web interface version to web 5.0 version

Interaction interface design is more reasonable, friendly, and beautiful and support

better operating experience.

#### 2) Add Permission Validity Period column in user interface of web

It can be used to distinguish between permanent user and one time user

HIKVIS	10/	V٥													0	admin_sgp $\checkmark$
Di Overview		+ Add	📋 Delete													
		No.	User	Name	User ID	User Type	Account Source	Permission Validity	Per	Keyfob&	Тад	Linked Area	Permission	Opera	tion	
User Management		1	admi	in_sgp	501	Administrator	Cloud	Permanent		<b>B</b> • (	0	All	Create/Manage Local Us	L	0	
-		2	1		622	Operator	Local	Permanent		80 (	0	Area 1	Arm Permission, Disarm	_	÷	
Device Management		3	2		623	Operator	Local	Permanent		•	0	Area 1	Arm Permission, Disarm	2	0	
63		4	3		624	Operator	Local	One-Time User		•	0	Area 1	Arm Permission, Disarm	1	Û	
Configuration																
م Maintenance																
and Security																

Figure2-1. one time user and permanent user

#### 3) Optimization of status information display.

Add icon to display network information used by the device **in APP** status interface currently.

Add icon to display which type of network (Wired/Wi-Fi/SIM1/SIM2) used by the device to connect Ezviz cloud currently in Web.

6	AX PRO1.2.984	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Area	Device	Status
4 Main Pov	ver Supply	Connected
Ethernet		Connected
Wi-Fi Sig	nal Strength	
💮 Wi-Fi Na	me	ASUS
utl Mobile N	etwork	Disconnected
➡ Battery S	Status	Battery Loss
🗀 Lid Statu	IS	Open

Figure3-1. Display the network in use in APP



Figure 3-2. Display the network in use in APP

#### 4) Optimized panel upgrade prompts

(a) For DS-PWA64-L-WE/DS-PWA64-L-WB/DS-PWA64-L-WA models panel. When upgrade panel in APP/Portal that if panel connects to Ezviz cloud **via 2G network**, it will **prompt** "Upgrading over mobile network is unstable and takes longer time. It is recommended that you upgrade using Wi-Fi or wired network." User can select "Cancel" to cancel upgrade or select "OK" to continue to upgrade.

(b) The upgrade progress will prompt current upgrade time remaining when

updating panel in APP/Portal

(c) If panel is in arming status, it will prompt "Upgrading failed. The device is armed." when upgrade panel firmware or peripheral firmware in APP、Portal、Web

<	Device Vers	ion
The devic power off	e is being upgra and disconnect	ded, please do not from the network
Upgradir unstable is recomi using Wi	Upgrade ng over mobile and takes long mended that y -Fi or wired ne	e network is ger time. It rou upgrade stwork.
AX PRO	C	ancel OK
Current Versio	on V'	1.2.9 build 230420
Latest Version	n V	1.2.9 build 230422

Figure4-1.upgrade prompt for L model device using mobile network



Figure 4-2. display upgrade with time remaining

HIKVIS	5 <i>10N</i> ®				X The area	is armed.			
庾		Restart	Control Panel Upgrade	Detector & Periphera	al Upgrade	Backup and Reset	Log	Security Audi	t Log
Overview		🚯 Note: The upgra	ading process will last 3 to 15	minutes. Do not power o	off the device du	ring the process. The devi	ce will reboot auto	matically after up	grading.
User Management	Security		Current Version V1.	2.9 build 230424					
(internet)		Local Upgrad	e	Upgrading					
Device Management			Upgrade File di	9				0%	
ද්ූාි Configuration									
Maintenance and Security									





Figure4-4.upgrade failed in armed status (app)

### 5) Support configure high temperature threshold and low temperature threshold for temperature and humidity detectors via Web/HC/HPC Temperature Detector need to update to V1.4.0 version

(a) The temperature threshold for High temperature and Low temperature can't been configure same, support configure all (both above and low), one of them or disable it. Support for configured temperature ranges remains the same as the original range

<u>ه</u> ا	Area	⊖ Wireless Zone 3			
rview	Mount Device ^	Zone Type	Instant		~
੨ xer	Device Enroll Mode	Stay Arm Bypass			
ement	Zone	Forbid Bypass on Arming			
vice gement	Network Camera	Chime			
٩	Sounder	Silent Alarm			
guration	Automation	Sounder Delay Time	0 s		~
enance Security	Repeater	Link Pircam	Not Link		~
	Keypad	Link Camera	Not Link		~
	Tag Reader	Polling Rate	5 min		~
	Keyfob	Polling failure Times to determine of	4		\$
	Expander	Temperature Alarm			
		Temperature Threshold	Туре	Enable	Threshold
			Above		0 °C 🗘
			Below		0 rc 🗘
			The detector will t	rigger an alarm when the te	mperature exceeds 0°C.

Figure 5-1. Temperature and humidity detectors support high and low temperature

K Sett	tings
Forbid Bypass on Arm	ing OFF
Chime	OFF
Silent Alarm	OFF
Sounder Delay Time	Os >
Link Camera	Not Linked >
Link PIRCAM	Not Linked >
Temperature Alarm	> 5°C / < 0°C 💙
The detector will trigger an al exceeds 5°C. The detector will trigger an al falls below 0°C.	larm when the temperature larm when the temperature
Polling Rate	5min >
Polling failure Times to	od 4 ≯

#### thresholds (web)

Figure 5-2. Temperature and humidity detectors support high and low temperature

#### thresholds (app)

(b) Support relay linkage temperature and humidity detector what associated with zone, after selecting the linked zone alarm, you can choose low temperature alarm or high temperature alarm, can be configured all, only one or no configuration

HIKVISION Axiom PRO V1.2.9 Release No	tes
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HIKVIS	510N®					0	admin_sgp $\sim$
函 Ormation	Area	🕞 Wall Switch 1					
CVCI IIICIII	Mount Device ^	Link Event	Event Type	Parameter Settings			
User Management	Device Enroll Mode		Alarm		Zone Alarm & Lid Opened		
<u>م</u>	Zone		Arm		Peripherals Lid Opened		
Device Management	Network Camera		Disarm		Panic Alarm		
Ø	Sounder		Silence Alarm		Medical Alarm Panel Lid Onened		
Configuration	Automation		Manual		Fire Alarm		
Maintenance and Security	Repeater			Linked Zone	🖉 Edit Current Linkage		_
	Keypad				Name	Linkage	
	Tag Reader				Wireless Zone 3	_<0°C _>5°C	
	Keyfob			Activation Mode	Pulse      Latch		
	Expander			Pulse Duration	5		s 🗘
				Contact Status	Normally Open     Normally	Closed	
		Polling Rate	Smin	~			
		Polling failure Times to determine of	4	\$			

Figure 5-3. Relay linkage temperature and humidity detector (web)

< Settings	Scenario Settings		Add Scenario		<	Linked Zone	~
Wall Switch 1	Link Event: Manual	1	Link Event Ala	m >	÷	Wireless Zone 1 Area 1	0
Serial No.:Q03098884	Activation Mode	Pulse	Event Subtype Zone Alarm/Lid Open	d >		Wireless Zone 2	
	Pulse Duration	5s	Linked Zone Wireless Zone	3 >		Area 1	
Colored Area Area 1 >	•		Activation Mode Puls	e >	273	Wireless Zone 3 Area 1	0
Original Status Normally Closed >	1		Pulse Duration	is >		> 5°C	OFF
Scenario Settings Manual >			Contact Status Normally Clos	d >		< 0°C	OFF
Current Protection		all a start	AND IN THE REAL PROPERTY OF			IPC 1	0
Voltage Protection			Save		-	Area 1	
Polling Rate 5min >							
Polling failure Times to d 4 $\rightarrow$							

Figure 5-4. Relay linkage temperature and humidity detector (app)

#### 6) Optimized the display of wireless noise level

 (a) Split the wireless noise level interface into: Cam-X background noise and Tri-X background noise;

(b) Add the corresponding tips in Cam-X background noise and Tri-X background noise interface: prompt currently value of background noise, prompt the installation is not recommended when the background noise is higher than XX (for 868 frequency band: threshold value of Tri-X background noise is 53, threshold value of Cam-X background noise is 70; for 433 frequency band: threshold value of Tri-X background noise is 64, threshold value of Cam-X background noise is 64, threshold value of Cam-X background noise is 76)

Alarm Keceiving Center	2	Area Total 5			> Zor Tota	13		
ARC-1 ARC-2		Area 1 C Dearmed Area 4	Area 2 C Disamed Area 5	Area 3		1 Absormal	Alarm     Masking     Fault     Offline     Device Lid Opened     Polling Failed	
Network Camera () Total 1 Absornal	Sounder Total 1	Disarmed	Citamod  Citamod  Automation Total 1	0 Abnormal	(((*))) <b>R</b> Tr	repeater 0 Abnormal	Clabled Bypassed	Abr
Tag Reader 1 Total I Abnormal	Keyfob Total 1	0 Abnormal	- Expander Total 1	1 Abnormal			/	
Network Status		Device Infor	mation		>	Device Status	1	
Wired Connected		Model DS-PWA96-M2H-WE				Tri-X Background Noise when the background no Cam-X Background Nois when the background no	e: 45dBM. The installation is not recommoise is higher than 53. olse: 48dBM. The installation is not recommoise is higher than 70.	
SIM1/2 Cloud Se Disconnected Connec	rvice ted		DS-PWA96-M2H-WE2022 Device Version	0606AAWRQ13871	016WU	Lid Status Open	Wireless Noise 45dBM/48dB3	0 . 1

Figure6-1. Optimize display wireless noise level in web interface

6		AX PRO1.2.9	2B4 ~ (§
	Area	Device	Status
4	Main Pow	ver Supply	Connected
0	Ethernet		Connected
A	Wi-Fi Sig	nal Strength	ad
(((r	Wi-Fi Na	me	ASUS
attl	Mobile N	etwork	Disconnected
-+	Battery S	tatus	Battery Loss
G	Lid Statu	S	Oper
٩	Smoke De	etector Power	Supply Norma
œ.	12V Powe	er Supply	Norma
d m	Wireless	Noise Level	55dBM/44dBM
Tri-> is at devi Cam is at devi	(backgrour pove 53, it is ce. h-X backgro pove 70, it is ce.	nd noise is 55 dB s not recommend und noise is 44 d s not recommend	M, and when it ded to install the dBM, and when it ded to install the

Figure6-2. Optimize display wireless noise level in app interface

#### 7) Optimized the function of detectors and Peripherals upgrade

If the signal strength is below 80 for Tri-X detectors or peripherals or the signal strength is below 100 for Cam-X detectors or peripherals, it will prompt unable to upgrade

when updating detectors and peripherals (besides key fob and panic button without open heartbeat function).

(a) Peripherals upgrading through WEB Add prompt in upgrade interface: "The current wireless signal strength value is X. Signal strength value greater than Y is required to upgrade."(X is current signal strength value, Y is required signal strength, 80 for Tri-X detectors and peripherals, 100 for Cam-X detectors). If the current signal strength does not meet criteria for upgrade, it will block upgrade operation. As 7-1 shows

(b) Peripherals upgrading through cloud. Add prompt in upgrade interface: "The current wireless signal strength value is X. Signal strength value greater than Y is required to upgrade."(X is current signal strength value, Y is required signal strength, 80 for Tri-X detectors and peripherals, 100 for Cam-X detectors). But it will only indicate the upgradeable signal strength standard in APP interface and will not prevent the peripheral from being upgraded. Notice: Only repeater support upgrade through Cloud.

ġ	Maintenance	Restart	Control Panel Upgrade	Detector & Peripheral Upgrade	Backup and Reset	Log	Security Audit Log	Walk Test
Overview	Security	Note: The upgr To ensure norm	ading process will last 3 to 15 nal upgrade, it is recommende	5 minutes. Do not power off the device of ed to upgrade TRI-X devices when the	during the process. The devision of the signal value is above 80 and	vice will reboo d CAM-X dev	ot automatically after upgrading. vices when the signal value is abo	ve 100.
User Management		Local Upgrae	le					
(f			Select Upgrade Type K	eypad		~		
Device Management			Select Peripheral K	eypad 1		~		
ن Configuration			The	e current wireless signal strength value eater than 80 is required to upgrade.	is 167. Signal strength val	le		
Maintenance and Security			Upgrade File		Up	grade		

Figure7-1. Peripherals upgrading through WEB

#### 8) Permission management optimization

Device supports mutual disarming between different users. When the HC user has turned off the remote configuration permission to the HPP account (the installer user is still on the device), HC user will restore all configuration permission to the device

#### 9) Optimized translation

"Clear Alarm" has been changed to "Silence Alarm".

#### 10)Optimized email configuration

Supports configure sender and receiver names with spaces

#### 11)Optimized input control prompt

No more prompts for the exact number of bytes that can be entered in input control of APP/WEB interface, only when the input limit has been reached prompts for character overrun. And it will be failed to save successfully when the input bytes over the limit.

#### 12) Delay zone function Optimization

(a) Display optimization

When the zone or IPC zone is configured as a delay zone, add the Warning Time Enable item, the previous Report Sending Delay time configuration item becomes a Warning Time configuration item.

Warning Time Enable can be configured as ON/OFF, the default is OFF, the configuration Warning Time can only be displayed when this configuration item is enabled.

Warning Time can be configured in the range of 1-3600s, the default is 30s.

(b) Function optimization

Add Warning Time Enable function and configure the Warning Time.

- (1) After the delayed time countdown in the delay zone has expired, the alarm is linked to the sounder, relay and other devices. Report the alarm notification to ARC after the end of warning time; if disarm or clear alarm before the end of warning time, no alarm notification will be reported.
- (2) When a delay zone enters the delayed time and triggers an instant zone under the same area, it will immediately activate sounder, relay and other devices to generate alarms. Report the alarm notification to ARC after the end of warning time; if disarm or clear alarm before the end of warning time, no alarm notification will be reported.
- (3) If Early Alarm is enabled in "System Options-Arm Options" in V1.2.8 and earlier version, the Warning Time of all delay szone parameters (including the IPC delay zone parameters) will be the same as The Early Alarm Time value is used.

		System Management Schedule & Timer System Fault	Check Arm Op	Device Enroll Mode							
	Overview										
8	User	Arm With Faults		The system will not be compliant with the	HIKVIS						
	System			Europe EN50131-1 standard after you							
	System Settings			disable this configuration option.	图	Area	Wireless	Zone 2			
	System Options		Checklist	Arm With Fault	Overview			Cross Zone	None		~
	System Security	Protect in Protect			8	Mount Device		Link Pircam	Not Link		~
	Device	Device Lid Opened			User Management	Device Enroll Mode					
88	Area	Zone/Peripherals Polling Failure/Offine						Link Camera	Not Link		~
33	Communication	Zone/Peripherals Low Battery			Device			Final Door Exit			
ß	Maintenance	Zone Triggered/Fault			Management	Network Camera	1	Warning Time Enable		10	
		Danai Battery Lost			Contraction			Warning Time	30		. ^
		Participation y const				Automation			The warning time countdow	n will be triggered if the instant zone	is triggered
		Panel Low Battery			<u>ه</u> Hairteource	Deneator	1	1	during entry delay or syster alarms are generated durin	n is not disarmed after entry delay er g the period, but no messages will be	ids. Local e pushed.
		LAN Lost			and Security			Primary Contact			
		WIFI Lost				Keypad			-	1.2.9版本	
		Cellular Lost				Tag Reader		Polling Rate	5 min		~
		Danel Maine Rower Lott				Keyfob	Polling failu	re Times to determine of	4		
		Pariel Mains Power Lost				Expander		External Contact	1 2		
		O Peripherals Mains Power Lost						Enable			
		ARC Connection Fault									
		Jamming Check		2				External Contact Type	Normally Open     Normally Closed		
		Early Alarm		)							
	1.2.8反以前版	<b>A</b>									
		Early Alarm Time	30	\$							

#### 13)Hik-Connect configuration interface optimization

The Hik-Connect communication network parameters configuration page supports the modification of the phone number to be pushed in the push message configuration, eliminating the need to delete and re-add a new number.

14)When an alarm is generated in a wired zone mounted under a door magnet detector, transmitter or glass break detector, the corresponding detector icon will be displayed in the app's alarm message push according to the detector type.



- 15)In the APP device list page, the arming icon is displayed in blue when the device is armed and light green when it is disarmed
- 16)APP supports real-time display of the switching status of the strong and weak power modules[Relay/wall switch]
- 17)Optimized User Management, System, Area configuration items:
  - (a) The User Management interface configuration items are adjusted as follows.

- (1) Admin and Installer user interface, new Added Card/Tag layout, here you can add a card and associate it directly to the corresponding user.
- (2) Admin and Installer user interface, new Added Key fob layout, here you can add key fob and associate it directly to the corresponding user.

<u></u>	🕞 admin_sgp	
Overview	User Parameters Keyfob&Tag	
User Management	User Keyfob	
(1)	You can go to the keyfob management page to batch configure the keyfobs owned by users. Keyfob Management >	
Device Management	+ Add  ☐ Delete ⊘ Enable ⊖ Disable ↔ Refresh	
्रि Configuration <u>ब</u> Maintenance	Select All	No keyf
and Security	User Tag	
	$+$ Add $ ilde{ ext{m}}$ Delete $ ext{ } \odot$ Enable $ ext{ } \ominus$ Disable $ ext{ } \mathcal{O}$ Refresh	
	Select All	
		No ti

- (b) System Options -> System Management interface configuration items are adjusted as follows.
  - (1) Delete Forced Arming configuration option. By default, the Panel will execute follow the Forced Arming logic forever.
  - (2) Forced Auto Arm is moved to the Area -> Auto Arm page and renamed to Force Arm when System has Faults, you can set it in every area setting page..
  - (3) Delete the **System Status Report** configuration item.
  - (4) Add Panel LED Display enable item, when enabled you can configure Arm LED (formerly known as Arm LED Stay On)/Cloud LED (formerly known as Hik-Connect Indicator)/Fault LED Stays On When Armed.
  - (5) "Wireless Supervision Loss" is renamed "Polling failure times to determine offline" and is moved to the Detector/Peripheral configuration page under the Polling Rate configuration item. Each detector/peripheral has a Polling failure times to determine offline configuration item.

- (6) Delete Early Alarm and Early Alarm Time configuration items.
- (7) You can set delay time for 'Battery Lost' and 'Low Battery' event.
- (8) The entire 'Force Arming when System has Faults' function is removed. If the 'Fault Checklist when Arming' is enabled, when arming via the App and other ways, the user can be prompted for the contents of the Fault and decide whether to continue arming.
- (9) 'Fault Prompts On Arming' and 'Fault Prompts On Disarming' under 'Voice Prompt' have been moved to the 'Arming Options' page and renamed 'Fault Voice Prompts on Arming' and 'Fault Voice Prompts on Disarming' Although they are not in the same page, they are also controlled by Voice Prompt. This means that 'Fault Voice Prompts on Arming' and 'Fault Voice Prompts on Disarming' are only displayed when Voice Prompt is turned on.
- (c) The Area interface configuration items are adjusted as follows:
  - (1) 'Force Arm when System has Faults' enable item added under 'Auto Arm' to configure this subsystem to force automatic arming. 'Forced Auto Arm' is removed from the former System Management page
  - (2) The' Auto Arming Sound Prompt' global configuration in the Auto Arming and Disarming page has been moved under each area and renamed 'Count Down Sound Prompt', the global configuration item has been split into a separate configuration item for each area.
- 18) A new device name column has been added to the list in the System Security -> Module Locking Settings page, and only the device locking information for the access panel is displayed.

函	Maintenance	User Lockout Attempts	Module Locking Settings					
Overview	Security	🖞 Unlock 🕴 🖯 Refresh						
User Management		🗌   No.	Name	Status	Device Type	Retry Times Before Aut	Auto-lock Time/s	Operation
8		1	Keypad 1	Unlocked	Keypad	3	90	d 🕸
Device Management		2	Keypad 2	G Unlocked	Keypad	3	90	6 🕸
() Configuration		3	Tag Reader 1	Unlocked	Tag Reader	3	90	ය ඉ
Maintenance and Security								

#### 19)Card management optimization:

(a) Added cards

After clicking card register on the APP/WEB, you can add your card by swiping it on any LCD keypad. Once the card has been added, the default associated user will be the logged in user and the card operation type will be the normal card. After adding a card, you can enter the card management menu in the project interface to change the card name and associated users.

(b) Deleted cards

The card add configuration is **moved** to the User Management page and the card list in the Device Management page is deleted. When a user is deleted, the cards associated with that user are deleted as well.



#### 20)Optimization of the content of user permissions

The following user configurable permissions are available

Create/Manage Local Users Zone Alarm Peripherals Lid Opened Panel Lid Opened Keypad/Keyfob/APP Panic Alarm Keypad/Keyfob Medical Alarm Keypad Fire Alarm Panel Status (Power and Battery) Panel Status (Communications) Zone Status



Peripheral Status Panel Operation Smart Alarm Event PIRCAM Gif Video Clips

<u>ام</u>	⊖ admin_sgp		
Overview			
User Management Covice Management	Device Control Parameters Keypad Password Duress Code	\$ \$	
ŵ	User Permission		
Configuration Maintenance and Security	Permission Settings	<ul> <li>Select All</li> <li>Create/Manage Local Users</li> <li>Vew Logs/Status</li> <li>Remote Configuration Permission</li> <li>Remote Configuration Permission</li> <li>Area Settings</li> <li>Operation</li> </ul>	<ul> <li>Please select the operations that the current user is allowed to perform.</li> <li>Select All</li> <li> <ul> <li>Zone Alarm</li> <li> <li>Peripherals Lid Opened</li> <li> <ul></ul></li></li></ul></li></ul>

#### 21) APP Push Notification optimization:

Remove the notification configuration from 'Push Notification' under APP and only keep the emergency alarm option. General push notification configuration move to User management page, under every user information page, you can set one by one. The emergency alarm notification types are classified as below types: **Zone Alarm** 

Peripherals Lid Opened Panel Lid Opened Keypad/Keyfob/APP Panic Alarm Keypad/Keyfob Medical Alarm Keypad Fire Alarm Smart Alarm Event



HIKVISION														
	NMS-4200	Alarm Receiving Ce	inter APP	Phone Call and SMS										
O unit								_	6		- 1 - C		1	
P System		Zone Alarm/Lid Ope	med		📋 Important Alarm	HIKVI								
III Device		Peripherals Lid Oper	ned		🔲 Important Alarm	120			Alarm	Receiving Center	APP	Phone Call and	SMS	
88 Area		Panel Lid Opened			<ul> <li>Important Aarmi</li> </ul>	Overview	aystem				-			
ය Communication		Panic Alarm			🕑 Important Alarm	2	System Settings				Important Alarm	Event Type		Detected
Wired Network		Medical Alarm			😪 Important Alarm	User Management	Control Panel Option					Zone Alarm		
WI-FI		Fire Alarm			Important Alarm	8	Network	*				Peripherals Lid Opene	d	
Celular Data Network		Gan Alarm				Device Management	Network Configurate	m				Panel Lid Opened		
Event Types Notification		Freid Alassa Frank		-				36V				Keypad/Keyfob/APP F	Panic Alarm	
Cloud Service		Contact Pearch Ecklinic		-		Configuration	Network Service					Keypad/Keyfob Medic	al Alarm	
Notification by Email					and for metherark carriectes	193	Device Access					Keypad Fire Alarm		
NAT		Daniel Phylics				Maintenance and Security	Alarm Communication	<b>^</b>				Smart Alarm Event		
Intercom Service		Paner cueus		-			Alarm Receiving Ce	nter	C	ARC Disconnet	tion Report Delay			
B Maintenance		Zone Status					Event Notification							
		Perpherals Status										-	V1. 2. 9	
		Panel Operation					Notification by Email					Save		
		ARC Disconnection	Re											
				This function is vali	d only when the ARC		Intercom Service							
				reporting protocol is	HOUP.									
v	1.2.8			Save										
	Dure	ss Code (II	nvalid)					Ś						
User Permission	n ——													
P	ermission	Settings							<b>1</b> P	lease select	the operat	tions that the cu	rrent user is allowe	ed to
			<ul> <li>✓ Se</li> </ul>	lect All					р	erform.				
									~	🔳 кеура	икеутор/А	PP Panic Alarm		
				Create/Mana	ge Local Users						Western M	- dia - L Alessa		
			< ()	View Logs/St	atus				<b>•</b>	п кеура	I/Reylob W	euical Alaim		
									<b>~</b>	📃 Кеурас	I Fire Alarn	n		
			✓ 0	Remote Cont	liguration Permissi	on					Status (Dau	need Dettern		
			· ()	Area Settings	3				~	Panel :	status (Pov	ver and battery,	)	
									<b>~</b>	Panel 9	Status (Cor	mmunications)		
			~ Q	Operation					_	-				
				Notification					~	Zone S	tatus			
			- · ·						<b>~</b>	📋 Periphe	erals Status	5		
										_				
									~	Panel (	Operation			
									<b>~</b>	Smart /	Alarm Even	nt		
									<b>~</b>	PIRCA	M Gif 🛈			
									<b>~</b>	🕞 Video (	Clips (i)			

Save Cancel

#### 22) ARC notification push optimization:

#### (a) Interface optimization

(1) Remove the 'Intruder verification as a service' option in ARC page, as picture

22.1.

(2) Reuse the PIRCAM Gif, Video Clips configuration item in ARC message push

for the 'Intruder verification as a service'. As picture 22.2

#### (b) Add PIRCAM Gif and Video Clips configuration items

(1) ARC notification push page, PIRCAM Gif is greyed out when Zone Alarm is not configured.

(2) ARC notification push page, Video Clips is greyed out when neither Zone Alarm nor Smart Alarm Event is configured.

(3) The ARC configuration page selects protocols other than DC09 and ISUP

#### and video Clips is greyed out.

(4) When the DC09 protocol is selected on the ARC configuration page, video Clips is only configurable when the French company is selected, otherwise the Video Clips notification push configuration item is greyed out.

(5) All video Clips can be configured when the **ISUP protocol** is selected on the ARC configuration page.



Figure22-1

	Overview	MS-4200	Alarm Receiving Center	APP	Phone Call and SMS	Alarm Receiving Center APP	Phone Call and SMS	
8	User		Alarm Receiving Center		1 *	Alarm Receiving Center	1 2	
8	System		Zono Alarmil id Ononed			Push Event Type	Event Type	Enable
888	Device		2016 Marine La Openeo				Event type	Enable
88	Area		Peripherals Lid Opened				Zone Alarm	
- 23	Communication		Panel Lid Opened				Peripherals Lid Opened	
	Wired Network		Panic Alarm				Panel Lid Opened	
	WI-FI						Keypad/Keyfob/APP Panic Alarm	
	Cellular Data Network		Medical Alarm				Keypad/Keyfob Medical Alarm	
	Alarm Receiving Center		Fire Alarm				Keypad Fire Alarm	
	Event Types Notification		Gas Alarm				Panel Status (Power and Battery)	
	Cloud Service		Panel Status				Panel Status (Communications)	
	Notrication by Email		Zone Status				Zone Status	
	FTP		Designation of the target				Peripherals Status	
	Intercom Service		Peripherais Status			0	Panel Operation	
B	Maintenance		Panel Operation				Smart Alarm Event	
			Smart Alarm Event				PIRCAM GE	
					This push is only valid for network cameras			
					using Hikvision protocol.		Video Clips	
		,	/1. 2. 8				V1. 2. 9	
					Save		Save	
					ource 2			



#### 23) LED keypad optimization:

(1) LED keypad key logic optimization to reduce LED keyboard operation latency

(2) When a area is selected for arming and disarming (operation code + "#"), the numeric keys of the armed area are always turn on (1-9), the numeric keys of the disarmed area are flashing, area 1-9 for the keypad numeric keys 1-9, the keypad doesn't display the arming\disarming status beyond area 9.

Notice: The LED keypad version needs to be V1.7.2 or above.

#### 24)LCD keypad Optimization:

- (a) After entering the password on the LCD keypad, use the clear key (←) to always clear from the rightmost measurement..
- (b) LCD keypad key logic optimization to reduce LCD keyboard operation latency

Notice: The LCD keypad version needs to be V1.0.6 or above.

#### 25)Repeater function optimization:

- The repeater transfer mechanism has been optimised to improve the success rate of image transfers.
- (2) Optimization of the forwarding mechanism to improve the success rate of forwarding and reduce the delay time of LED keypad operations after repeater forwarding
- (3) The keyfob forwarding mechanism is optimized to improve the success rate of keyfob operations after repeater forwarding.
- (4) Improved forwarding stability, reduced offline rates and lower peripheral linking delays for detectors and peripherals using the Tri-X protocol.

Notice: The repeater version needs to be V1.0.5 or above.

#### 26)Optimization of detector peripheral functions

- (a) Increased stability of detectors and peripherals using Tri-X protocol forwarded via repeaters. Time synchronization optimization and increased standby time for coin cell products.
- (b) Detector optimization using the CAM-X protocol optimizes the processing logic in case of file transfer exceptions, improving the success rate of PIRCAM class detectors in transferring images.

Notice: The version correspondence between the detectors and the peripherals is

shown in article 27

# 27)Remove the 'Unhandled Alarm' column from the Zone Status page28)Upgrade function restrictions [attention]

AX PRO V1.2.9 release version can only be upgraded up from V1.2.8 release version, other releases version before V1.2.8 must be upgraded to V1.2.8 at first, then they can be upgraded to V1.2.9, and direct upgrade to V1.2.9 isn't supported.

**For example,** if my panel is V1.2.7, I will not update to V1.2.9 directly, I need update to V1.2.8, then you will see update reminding again, then update to V1.2.9.

### 29)Remove local users, the factory no longer comes with local admin and local installer users.

(a) Inherit local admin and local installer users

When a released version of the panel is upgraded to 1.2.9, enabled local administrator and local installer users will be inherited and allowed to continue to use them, disabled local administrator and local installer accounts will be simply deleted after the panel is upgraded to 1.2.9.

(b) Local user deleted.

The local installer account will be deleted after manually disabled the local installer user obtained from a low version inheritance.

Local installer users obtained from low version inheritance are added to Hik-Connect or Hik-Partnerpro to generate cloud-based installer users. Local installer users are not restored after cloud-based installer users are deleted.

#### 30) Event Notification page Optimization

Event notification page deleted IVMS4200 configuration item.

2	Overview	MMS-4200	Alarm Receiving Center	APP Pho	ine Call and SMS		HIKVIS	ION®						
8	User System	11	Alarm Receiving Center		1	•	(5) Overview	System *	^	Alarm Receiving Center	APP	Phone Call and SMS		
8	Device /		Zone Alarm/Lid Opened				Q	System Settings		h	mportant Alarm	Event Type		Detected
88	Area		Peripherals Lid Opened				User Management	Control Panel Option			Zone Alarm			
8	Communication		Panel Lid Opened		â	Network	^		Peripherals Lid Opened					
	Wired Network		Panir Alarm				Device Management Configuration	Network Configuration				Panel Lid Opened		
	Wi-Fi		Paris Alarm	- /	-							Keypad/Keyfob/APP Panic Alarm		
	Cellular Data Network		Medical Alarm					Network Service			Keypad/Keyfob Medical Alarm			
	Alarm Receiving Center		Fire Alarm					Device Access			Keypad Fire Alarm			
	Event Types Notification		Gas Alarm					Alarm Communication	^		Smart Alarm Event			
	Cloud Service				-			Alarm Receiving Center		ABC Disconnection Report Delay				
	Notification by Email		Panel Status											
	NAT		Zone Status					Event Notification				<u> </u>		
	FTP		Peripherals Status					Notification by Email			Save V1. 2. 9			
	Intercom Service				-									
ß	Maintenance		Panel Operation					Intercom Service						
			Smart Alarm Event						_					
					This push is only valid f	or network cameras								
					using Hikvision protoco	L								
		V.	1.2.8							$\leftrightarrow \rightarrow 0$	Q 🗆			
					Save									

31)Optimize username length, full username display in log query issue.32)Optimize that users can be added to the cloud when panel in arm

state

### The latest version of the device

Number		Version		
1		Wireless External Magnetic Contact	DS-PDMCX-EG2-WE/WB	V1.4.0
2	Wireless Magneti	Wireless Slim Magnet Detector	DS-PDMCS-EG2-WE/WB	V1.4.0
3	c Contact	Wireless Magnet Detector	DS-PDMC-EG2-WE/WB	V1.4.0
4		Wireless Magnet Shock Detector	DS-PDMCK-EG2-WE/WB	V1.4.0
5		Wireless PIR Ceiling Detector	DS-PDCL12-EG2-WE/WB	V1.4.0
6		Wireless PIR Detector	DS-PDP15P-EG2-WE/WB	V1.4.0
7	Wireless Internal	Wireless PIR Curtain Detector	DS-PDC15-EG2-WE/WB	V1.4.0
8	PIR Detector	Wireless PIR-Glass Break Detector	DS-PDPG12P-EG2- WE/WB	V1.4.0
9		PIRCAM	DS-PDPC12P-EG2- WE(B)/WB(B) DS-PDPC12PF-EG2- WE(B)/WB(B)	V1.0.2

10	Wireless Internal DT Detector	Wireless Dual Technology Detector	DS-PDD12P-EG2-WE/WB	V1.4.0		
11	Wired External TT Detector	Wireless Triple Signal Detector	DS-PDTT15AM-LM- WE/WB	V1.4.0		
12		Wireless 180° Panoramic Detector	DS-PDQP15AM-LM- WE/WB	V1.0.2		
13	Wireless External	Wireless PIR AM Curtain Detector	DS-PDC10AM-EG2- WE/WB	V1.4.0		
14	PIR Detector	Wireless Dual-Tech AM Curtain Detector	less Dual-Tech AM DS-PDC10DM-EG2- ain Detector WE/WB			
15		Wireless Double PIR Detector	DS-PDP18-HM-WE/WB	V1.2.1		
16	Wireless	Wireless Water Leak Detector	DS-PDWL-E-WE/WB	V1.4.0		
17		Wireless Temperature Detector	DS-PDTPH-E-WE/WB	V1.4.0		
18	Environ ment	Wireless Smoke Detector	DS-PDSMK-E-WE/WB	V1.4.0		
19	Detector	Wireless CO Detector	DS-PDCO-E-WE/WB	V1.4.0		
20		Wireless Heat Detector	less Heat Detector DS-PDHT-E-WE/WB			
21	Wireless BG Detector	Wireless Glass Break Detector	DS-PDBG8-EG2-WE/WB	V1.4.0		
22		Wireless Keyfob	DS-PKF1-WE	V1.4.0		
23		Wireless LED Keypad	DS-PK1-E-WE/WB	V1.7.2		
24	Wireless Keypad /Sounde r / Tag Reader	Wireless LCD Keypad	DS-PK1-LT-WE/WB	V1.0.6		
25		Wireless Tag Reader	DS-PT1-WE/WB	V1.4.0		
26		Wireless External Sounder	DS-PS1-E-WE/WB	V1.4.0		
27		Wireless Internal Sounder	DS-PS1-I-WE/WB	V1.4.0		
28		Wireless Intercom Sounder	DS-PS1-II-WE/WB	V1.0.3		
29	Wireless	Wireless Emergency Button	DS-PDEB1-WE/WB DS-PDEB2-WE/WB	V1.4.0		
30	Emergen cy Button	Wireless Emergency Button	DS-PDEB1-WE/WB(B) DS-PDEB2-WE/WB(B)	V1.4.0		

31		Wireless Portable Emergency Button	DS-PDEBP1-EG2-WE/WB DS-PDEBP2-EG2-WE/WB	V1.4.0
32	Home	Relay Module	DS-PM1-O1L-WE/WB	V1.4.1
33	ion	Wall Switch	DS-PM1-O1H-WE/WB	V1.4.1
34	Device	Smart Plug	DS-PSP1-WE/WB	V1.4.1
35	Wireless I&O	Single Input Transmitter	DS-PM1-I1-WE/WB	V1.0.2
36	Expande r	Multi IO transmitter	DS-PM1-I16O2-WE/WB	V1.0.3
37	Wireless Repeater	Wireless Repeater	DS-PR1-WE/WB	V1.0.6

#### <u>Remarks:</u>

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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