Axiom Hub Version: V1.0.3 Release Note (Internal) (2019-04-12)

1. Firmware Basic Information

Firmware	Firmware Version	V1.0.3_build190328
Basic	SDK Version	V5.3.6.26_build 20190130
	iVMS-4200	V2.7.3.14_build 20190312
Information	Web Version	V4.25.1 build 190327

2. V1.0.3 Upgrade Note

2.1 Added Function:

1) Add Manufacturer user :

In EN Version, Manufacturer user function is upgrade firmware.

H	KVISION					
	User Management	Use	r Mana	gement		
	User	-	- Add	🗹 Edit 🛅 Delete		
	Keyfob		No.	User Name	User Type	Enable User
	Card		1	admin	Administrator	
8	System					
	Wireless Devices		2	setter	Installer	
æ	Communication Parameters		3	manufacturer	Manufacturer	
<u>.</u>	Video & Audio					
^ ~	Maintenance					
·\~	Status					

2) Add user management Permission :

In order to separate the EN standard area and other areas, the customer can choose EN Standard or General standard, the following choose interface need login Setter user, the difference user management permissions of EN standard and General standard versions can see following two tables:

	KVISION			
1	User Management	Upgrade and Maintenance	Certificate Standard]
	System	Standard		EN Standard +
	Device Information			
	System Options			
	Security			Save
	System Maintenance			
	Log			
	Date and Time			
	Schedule & Timer			
	Network Camera			
	Wireless Devices			
5	Communication Parameters			
<u></u>	Video & Audio			
4.	Maintenance			
4.	Status			

	EN Standard management Permission					
Function	Grade 1	G	rade 2	Grade 3	Grade 4	
	Everyone	Operator	Administrator	Setter	Manufacturer	
Arm	×	Configure	\checkmark	\checkmark	×	
Disarm	×	Configure	\checkmark	\checkmark	×	
Clear Arm	×	Configure	\checkmark	\checkmark	×	
Step Test	×	Configure	\checkmark	\checkmark	×	
Log	×	Configure	\checkmark	\checkmark	×	
Bypass/ Silent Alarm /Force Arming	×	Configure	\checkmark	\checkmark	×	
Add/Change Own Code	×	Configure	\checkmark	\checkmark	\checkmark	
Add/Change Grade 2 User and Code	×	Configure	\checkmark	\checkmark	×	
Add/Change Configuration	×	×	×	\checkmark	×	

HIKVISION Axiom Hub V1.0.3 Release Notes

密级级别:内部公开

Change/Upgrade Firmware X X X X

	General Standard management Permission						
Function	Grade 1	Grade 1 Grade 2			Grade 4		
	Everyone	Operator	Administrator	Setter	Manufacturer		
Arm	×	Configure	\checkmark	\checkmark	×		
Disarm	×	Configure	\checkmark	\checkmark	×		
Clear Arm	×	Configure	\checkmark	\checkmark	×		
Step Test	×	Configure	\checkmark	\checkmark	×		
Log	×	Configure	\checkmark	\checkmark	×		
Bypass/ Silent Alarm /Force Arming	×	Configure			×		
Add/Change Own Code	×	Configure	\checkmark	\checkmark	\checkmark		
Add/Change Grade 2 User and Code	×	Configure			×		
Add/Change Configuration	×	×	\checkmark		×		
Change/Upgrade Firmware	×	×	\checkmark	\checkmark	\checkmark		

3) Add Arming Process Options :

Enable Arming button is enable switch, EN Standard Version default enable, General Standard Version default disable.

Arming Indicator Keeps Light is arming light switch :

When Enabled, the Arm light will hold on blue when system armed, and light will disappear when system disarm.

When Disabled, the Arm light will hold on blue 5 seconds and then disappear when system armed, and blue light will flash 5 seconds when system disarmed.

Prompt Fault When Arming is system fault indicator switch :

When Enabled, the Fault light will hold on red, you can see light and hear voice when system fault appear.

When Disabled, the Fault light will hide when system armed, light and voice will not prompt when system fault appear.



HI	KVISION		
		System Options Management Advanced Settings	Fault Check
-	User Management		
	System	Enable Arming	
	Device Information	Fault Checklist	
	System Options		
	Security	Tampered	
	System Maintenance	Offline	
	Log	Low Battery	
	Date and Time		
	Schedule & Timer	Zone in fault	
	Network Camera	Power Supply Fault	
	Wireless Devices	Communication Fault	
\$	Communication Parameters	Enable Arming with Fault	
%	Video & Audio	Linable Arming with Fault	
^⊷	Maintenance	Tampered	
^⊷	Status	Offline	✓
		Low Battery	
		Zone in fault	
		Power Supply Fault	
		Communication Fault	>
		Arming Indicator Keeps	
		Prompt Fault When Ar	
		Enable Early Alarm	
		Delay	30 s
			Save

The Hub Arming Process:

Step 1: Prepare process --- During this process, device will prepare for arming, wake up detectors, after all detector wake up, and then next step.

Step 2: Fault Detection process --- During this process, device will detect all fault of itself and detectors.

Step 3: Confirm the failure, arming again.

Step 4: Exit Process --- It is used for exiting, during this process, trigger delayed zone, system will not Alarm. If trigger other type zone, or new system fault, system will stop arming process, arm failed.

Early Alarm:

When system in arm status, **delay zone triggered**, **then Instant zone or Perimeter zone triggered**, system will alarm after delay time & Entry Delay time all finish.

4) Add Card Reader Lock Settings :

Default Max. Failure Attempts is 3 times, Locked Duration 90s. When you use an invalid card to reach 3 times, card reader locked.

HI	KVISION						
	User Management	SSH Settings	Locking User Settings	Card Reade	r Lock Settings		
	System	Max. Failure Att	tempts	3		-	
	Device Information	Locked Duration	n	90			s
	System Options						
	Security		No.				Keypad ID
	System Maintenance						
	Log						
	Date and Time						
	Schedule & Timer						
	Network Camera						
888	Wireless Devices						
\$	Communication Parameters						
<u>.</u>	Video & Audio						
^⊷	Maintenance						
-∿⊷	Status						
		Save					

5) Add AC Power Fail Pre-alarm Timer:

When device AC power off, it will not upload AC power off report and log during setting time, if beyond time it will upload.

HI	KVISION			
1	User Management	Schedule & Timer Management		
	System	Entry Delay 1	30	s
	Device Information	Entry Delay 2	60	s
	System Options Security	Exit Delay	60	s
	System Maintenance	Enable auto Arming		_
	Log Date and Time		Time 00:00	5
	Schedule & Timer	Enable auto Disarming		
	Network Camera		Time 00:00	5
	Wireless Devices	Late to Disarm		
÷	Communication Parameters Video & Audio		Time 00:00	5
50 	Maintenance	Weekend Exception		
-∿~	Status	Siren Delay Time (Peri	60	s
		Alarm Duration	60	s
		AC Power Fail Pre-alar	0	s
			Save	

海康威视保密信息,未经授权禁止扩散

6) Support Two Alarm Receiving Center:

Can configure two main receiving center, or One main center and One standby center.

HI	KVISION			
		Alarm Rec	eiving Center	
	User Management			
	System		Alarm Receiver Center	2 *
	Wireless Devices		Backup Channel	
5	Communication Parameters		Enable	
	Ethernet			
	Wi-Fi		Protocol Type	•
	Cellular Data Network		Address Type	IP •
	Alarm Receiving Center		Server Address	0.0.0.0
	Event Communications		Port No.	0
	Cloud Registration Video Verification Events			
	Ehome Registration		Account Code	
	Video & Audio			
	Maintenance			Save
-	Status			
-W-	Status			
HI	KVISION			
		iVMS-4200	Alarm Receiver Center Cloud	Nobile Phone
1	User Management			
	System		Alarm Receiver Center	2 -
	Wireless Devices		Alarms and Tampers	
\$	Communication Parameters		Life Safety Alarms	
	Ethernet		Life Salety Alamis	
	Wi-Fi		Maintenance and Faults	
	Cellular Data Network		Panel Management Not	
	Alarm Receiving Center			
	Event Communications			Save
	Cloud Registration			
	Video Verification Events			
.0.	Ehome Registration			
<u>.</u>	Video & Audio			
^⊷	Maintenance			
-∿~	Status			

7) Add New Alarm upload Protocol:

ADM-CID、Ehome、SIA-DCS、*SIA-DCS、*ADM-CID(* means Secret Key)

			j	
1	User Management	Alarm Receiving Center		
	System	Alarm Receiver Center	1	-
	Wireless Devices	Enable		
\$	Communication Parameters	Protocol Type	ADM-CID +	,
	Ethernet Wi-Fi	Address Type	ADM-CID EHome	1
	Alarm Receiving Center	Server Address	SIA-DCS	
	Event Communications Cloud Registration	Port No.	*SIA-DCS *ADM-CID	
	Video Verification Events	Account Code		
	Ehome Registration	Transmission Mode	TCP -	
<u></u>	Video & Audio Maintenance	Retry Timeout Period	0	s
~~		Attempts	0	
_		Heartbeat Interval		s Enable
			Save	

8) Add Ehome 5.0 Protocol:

Support Ehome protocol upload and remote operate, remote operate including Arm/Disarm、Bypass、Clear Alarm.

Ehome 5.0 upload configuration:

HI	KVISION		
1	User Management	Alarm Receiving Center	
<u> </u>	System	Alarm Receiver Center	1 -
	Wireless Devices	Enable	
\$	Communication Parameters	Protocol Type	EHome -
	Ethernet		
	Wi-Fi	Address Type	IP •
	Cellular Data Network	Server Address	0.0.0.0
	Alarm Receiving Center	Port No.	0
	Event Communications	i ortino.	0
	Cloud Registration		
	Video Verification Events		Save
	Ehome Registration		
<u>.</u>	Video & Audio		
4	Maintenance		
₼~	Status		

Ehome 5.0 Platform configuration:

	User Management		Ehome Registration Settings					
•								
-	System		E	Enable				
	Wireless Devices		E	Ehome Protocol Version	EHome5.0	-		
5	Communication Parameters		,	Addrose Tupo	IP			
	Ethernet			Address Type		*		
	Wi-Fi		ę	Server Address	10.22.96.33			
	Alarm Receiving Center		F	Port No.	7660			
	Event Communications	ent Communications		Desistration Clatus	Offline			
	Cloud Registration		r	Registration Status	Omine			
	Video Verification Events		C.	Device ID	159630			
	Ehome Registration		(Communication Mode		*		
<u>ę</u> ,	Video & Audio			Ehome Login Password		***		
^⊷	Maintenance			Lione Login r assirora		.JFC		
-\r-	Status				Save			

9) Add Step Test Feature :

Enable Test and click save, trigger the Detectors one by one, Displays pass is normal trigger.

User Management	Test			
System	Test			
Wireless Devices	Test Mode			
Maintenance		Zone No.	Zone Name	Test Result
Test		1	Wireless zone 1	Pass
Status		2	Wireless zone 2	Pass
		3	Wireless zone 3	Invalid zone.
		4	Wireless zone 4	Invalid zone.
		5	Wireless zone 5	Invalid zone.
		6	Wireless zone 6	Invalid zone.
		7	Wireless zone 7	Invalid zone.
		8	Wireless zone 8	Invalid zone.
		9	Wireless zone 9	Invalid zone.
		10	Wireless zone 10	Invalid zone.
		11	Wireless zone 11	Invalid zone.
		12	Wireless zone 12	Invalid zone.
		13	Wireless zone 13	Invalid zone.

10) Add Detector Signal Strength display Feature

	Zone State	s					
User Management							
System						C Refre	sh
Wireless Devices	Zone	Name	Status	Alarm Status	Detector Battery Capacity	Signal Strength	
Maintenance	1	Wireless zone 1	Disarm	Normal	Normal	229(Strong)	
Status	2	Wireless zone 2	Disarm	Normal	Normal	183(Strong)	
Zone	3	Wireless zone 3	Not Linked	Normal	Invalid	0(Invalid)	
Siren Relay	4	Wireless zone 4	Not Linked	Normal	Invalid	0(Invalid)	
Repeater	5	Wireless zone 5	Not Linked	Normal	Invalid	0(Invalid)	
Battery	6	Wireless zone 6	Not Linked	Normal	Invalid	0(Invalid)	
Communication	7	Wireless zone 7	Not Linked	Normal	Invalid	0(Invalid)	
	8	Wireless zone 8	Not Linked	Normal	Invalid	0(Invalid)	
	9	Wireless zone 9	Not Linked	Normal	Invalid	0(Invalid)	
	10	Wireless zone 10	Not Linked	Normal	Invalid	0(Invalid)	
	11	Wireless zone 11	Not Linked	Normal	Invalid	0(Invalid)	
	12	Wireless zone 12	Not Linked	Normal	Invalid	0(Invalid)	
	13	Wireless zone 13	Not Linked	Normal	Invalid	0(Invalid)	E

2. Feature optimization:

1) Fault Detection Item Optimization:

Add fault check interface --- Enable the switch, it will check the corresponding failure, and if disabled, it will stop checking $_{\circ}$

HI	KVISION			
1	User Management	System Options Management	Advanced Settings	Fault Check
	System	Detect Network (Camer	
	Device Information	Battery Supervisi	ion	
	System Options			
	Security	Wired Network F	ault Ch	
	System Maintenance	Wi-Fi Fault Check		
	Log	Cellular Network Fault		
	Date and Time	Celiulai Network		
	Schedule & Timer	SIM Card Fault C	Check	
	Network Camera			
	Wireless Devices			Save
5	Communication Parameters			
.	Video & Audio			
-∿~	Maintenance			
-∿~	Status			

3. Delete Features:

1) Remove the HTTP protocol to upload the alarm.