DS-K1T673 Series MinMoe Terminal

Release Notes (2024-03-26)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673DX DS-K1T673DWX Modules (optional):	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V4.10.0_build240326 ACS_673_F1plus_EN_NEU_V4.10.0_build240326
DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR DS-KAB673-WEQR,DS-KAB673-WBQR		
Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for fingerprint G for SIM card, B for Bluetooth, QR for QR code WE for 868 MHz .WB for 433 MHz	Software Version	HikCentral AC: https://www.hikvision.com/en/support/download/sof tware/hikcentral-access-control-v2-2-0/

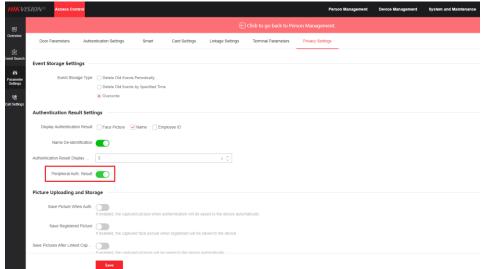
Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Function Optimization

1 UI display optimization when connecting with turnstile:

When connecting with turnstile as card reader via RS485 protocol, 673 can display authentication result of turnstile. (only work when firmware version of turnstile supports this function as well)



2 Face algorithm compatibility:

When upgrade firmware from 3.18.0 or before to V4.10.0 and did not save registered picture in privacy settings, there is no need to apply face picture to device again.

- 3 Support QR Code V2.0 dynamic encryption
- 4 Support multi factor authentication full authentication group link, expand authentication group quantity
- 5 Support custom solution and size of face captured picture

HIKVI	5 <i>10N</i> ®	Access Control					Person Manage	ement Device Management S
ত্র	Door Pa	arameters Authe	ntication Settings	Smart	Card Settings	Linkage Settings	Terminal Parameters	Privacy Settings
Overview	1	Name De-identification						
Event Search	Authenticati	on Result Display	5			s 💲		
↓ Parameter Settings	F	Peripheral Auth. Result						
œ	Picture U	ploading and Sto	rage					
Call Settings	Sa	ve Picture When Auth.	If enabled, the captured	picture when aut	thentication will be sav	ed to the device autom	natically.	
	Uplo	ad Picture When Auth.	If enabled, the captured	picture when au	thentication will be uple	baded to the platform a	utomatically.	
	C	Captured Picture Mode	Default Face P	icture Matting				
		Max. Picture Size	All			~		
		Picture Resolution	Auto			~		
	Sa	ave Registered Picture	If enabled, the captured	face picture whe	n registered will be sa	ved to the device.		
	Save Pictur	es After Linked Cap						
			Save					

6 Support display remote host IP on event search page

IKVISION® Acce											
Event Types Access Control Eve	nt v	No.	Employee ID	Name	Card No.	Door	Event Types	Time	Remote Host IP	Card Reader	Operation
Major Type		1					Remote Manual.		10.9.96.12		
All Type	~	2					Remote Manual.	2024-03-20 18:	10.9.96.12		
t Search		3		-		-	Remote: Login	2024-03-20 18:	10.9.96.12	-	-
Minor Type		4		-	-	-	Remote: Login	2024-03-20 17:	10.9.96.12		-
All Type ttings	~	5		-	-	-	Remote: Login	2024-03-20 17:	10.9.96.12		
Employee ID		6		-			Device Tampered	d 2024-03-20 17:			
Settings		7		-		-	Event Input Alarr	m 2024-03-20 17:	-		-
Name		8		-	-	-	Network Discon.	2024-03-20 17:	-		_

- 7 Remove deep mode on web client
- 8 Remove ehome 2.0/2.6/4.0 protocol, only keep ISUP 5.0

New Features

1. Support customize person type



HIKVISION® Access Co	ntrol	Person Management	Device Manageme	Edit Cus	stom Person Type	\times
🕞 Add Person				You can cu	stomize the name of person type.	
				No.	Name	
Basic Information				1	VIP	
*Employee	DI			2	Custom Type 2	
Na	ne			3	Custom Type 3	
Gen	der 💿 Male 🔿 Female 🔿 Unknown			4	Custom Type 4	
Person T	pe 🔿 Normal User 🔿 Visitor 🔿 Blocklist User 💽 Custom Type			5	Custom Type 5	
Custom Person T				Save	Cancel	
	The person with custom type has the same permission as that of normal user.					
Administra	tor O					
Long-Term Effective U	ser 🕥					
Validity Per	od 2024-03-15 00:00:00 - 2034-03-15 23:59:59 8	3				
	Add Save and Continue Cancel					

- 2. Person synchronization : support sync person information to platform automatically Notice:
 - a. Platform requirement: HCP V2.4.1 or HCAC V2.1.1 or later
 - b. Only ISAPI or ISUP protocol supported
 - c. Need to set up on platform first. If you enable this function , changes of the person information will be synced from the device to the platform automatically
- 3. Support PIN mode switch between platform applied personal PIN mode and device set personal PIN mode

Notice :

Open web client, go to Access Control –Parameter Setting-Privacy Settings-PIN mode to switch PIN Code mode. In platform applied mode, cannot edit PIN Code on web client, it needs to be set on platform. In device set mode, can edit PIN Code on web client or local UI and PIN code set by platform is invalid.

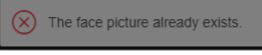
KVISION	Access Contro				Person Manag	ement Device Manag	ement System and	Maintenance
a 🛛				Click	to go back to Perso	n Management.		
/iew	Door Parameters	Authentication Settings	Smart	Card Settings	Linkage Settings	Terminal Parameters	Privacy Settings	
] iearch		If enabled, the captured	picture when a	authentication will be sa	aved to the device autom	atically.		
↓ neter	Save Registered Pi	If enabled, the captured	face picture w	hen registered will be s	aved to the device.			
	e Pictures After Linked C	ap If enabled, the captured	pictures will be	e saved to the device a	utomatically.			
tings	ar All Pictures in De	evice						
Cl	ear Registered Face Pic	tures Clear						
	Clear Captured Pic	tures Clear						
PIN	Mode							
	PINI	Mode Platform-Applied Per	sonal PIN 🛈	O Device-Set Perso	nal PIN 🛈			
		Save						

4. Support duplicated face picture check

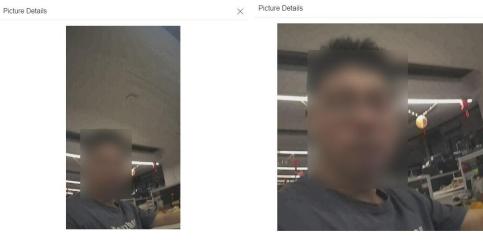
After enabling this function, it will fail to save face picture when enroll duplicated face. This function CANNOT work when batch applying face from platform



্র্রা Overview দ্বী	Door Parameters Au	thentication Settings	Smart	Card Settings	Linkage Settin		
F	ace Recognition Param				Linkaye Settini	gs Terminal Parameters	Priv
		eters					
Event Search	(i) Face Anti-spoofi	ng 💽					
∳t∔ Parameter Settings	Face Duplicate Che	ck					
e (Anti-Spoofing Detection Le. 	General Adv	anced OProfes	sional			
Call Settings	Recognition Distan	ce 💿 Auto 🗌 0.5m	○1m ○1.5m	n ○ 2m			
	Pitch Ang	le 45			• ^		
	Yaw Ang	le 45			• ^		
F	ace Picture Quality Grade for .	0			0		
(1: 1 Face Picture Grade Th	0			0		
	1:1 Matching Thresho	ld		0	92 🗘		
	 1:N Matching Threshold 	old		0	92		
	Face Recognition Timeout Val	ue 3			s 关		
	Face Recognition Ar	ea Area Configuration	1				
		Save					



5. Support captured face picture matting Default captured picture & face picture matting:



×

6. Remote verification:

Support remote verification+ local verification or remote verification only. After enabling this function, multi person authentication cannot work



HIKVI.	SION [®] Access Co	ntrol			Person Manag	jement Device Manaç	ement System and Maintenand
ja J	Door Parameters	Authentication Settings	Smart	Card Settings	Linkage Settings	Terminal Parameters	Privacy Settings
Overview	Working Mode	king Mode Access Control Mode	ode (i)				
∔ ∔∔ Parameter Settings	Remote Verificatio						
Call Settings	Remote V Verify Credent						
		Save					

- 7. Blocklist management: support set door permission for person in blocklist
- Link authentication to call: Enabling this function, after authenticating device will not open door, it will call objects based on call button settings, waiting for remote open

HIKVIS	SION [®] Access Control					Person Management	Device Management	System and Maintenance
國	Device No. Video Interco	om Network Call Settings	Press Button to Call	Number Settings				
Overview								
. 	Button Settings	No. Button Se	ttings					
Event Search		01 O Call Sp	ecified Indoor Station Enter Ro	oom No.	Call Management Center	Call Indoor Station o app		
∳∳∳ Parameter Settings	Link Authentication to Call	If you enable this and person pa	sses authentication, door will b	e remotely opened by the targ	et that is configured with button	for automatic calling.		
Call Settings		Save						

9. Support manually trigger authentication

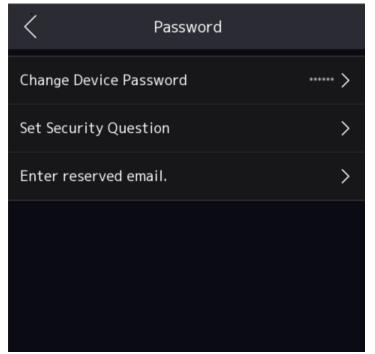
After enabling this function, person need to tap authentication button to start authentication

11:36 ;	1024/03/15 riday	SI <u>R</u> 명 .Good morni	ng, welco
			0
		0	
5	Authentica	te	



Door Parameters	Authentication Settings Smart Card Settings Linkage Settings Terminal Parameters Privacy :
Card Reader Param	eter Configuration
	Terminal Main Sub
Termi	inal Type Fingerprint/Face
Termin	al Model DS-K1T673TDX
Enable Authenticatio	n Device
Authe	ntication Face/Fingerprint/Card/PIN ~
Manually Trigger Authent	
Authenticati	If the function is enabled, person needs to tap the Authenticate button to start authentication.
Multiple People Authe	ntication
(i) Recognition	a interval 3 s 🗇
 Authentication 	Interval 0 s 🔅
Alarm of Max. Failed	Attem
Tampering D	Detection

10. Password management: support modify password on local UI



11. Support first person authorize and first person authentication time configuration (only work when using ISAPI protocol)



🚯 HikCentral Access Control 🛛 🕆 🛛 Device Person	Access Control 🗘 Atten	dance Video Intercom	Temperature Screening	Map System	
Access Control 🖉 🕞 Add First	t Person In Rule				
Access Level					
Overview	*Name	673			
Manage Access Level	*Door				
Assign by Access Level	-0001	Search		Q	
Assign by Person		> 🔢 26			
Assign by Department		> 🔢 28			
Assign by Access Group		> 🔢 266			
		> III 341C			
Real-Time Monitoring		✓ III 673			
🔾 Search 🗸		Door 01			
Access Control Application		\ .₩ son			
Free Access & Access Forbidden	*Rule of Opening Door	O Remain Unlocked for (m	in) ©		
First Person In		Authorize			
Multi-Factor Authentication	First Person Authentication Time				
Multi-Door Interlocking					
Anti-Passback	Rule Takes Effect At	10:00		٢	
Emergency Operation Group	 Authentication Period 	08:00	- 10:	00 (3)	
Entry & Exit Counting Group					
Authentication Mode	First Person	+ Add 🔲 Delete			
Apply Advertisement		Person Name	ID	Department	
Audio Broadcast					
Authentication Password					

- 12. Support language: Traditional Chinese, French, Turkish, English, Spanish (South America), Arabic, Thai, Indonesian, Russian, Vietnamese, Portuguese (Brazil), Japanese, Korean. Red one are newly supported languages.
- 13. Support elevator controller.
 - a. Support Max. 4 elevator controller
 - b. Support different call elevator mode: authorize only, call elevator only, call elevator + authorize
- 14. Preference
 - a. Support custom booting picture and standby picture

HIKVI.	SION®	Access Control					Person Management	Device Management	System and Maintenan
ැඩි System onfiguration	Scree Startup		om Home Page	Notice Publication	Prompt Schedule	Custom Prompt	Authentication Result Text		
Preference		Custom Booting Pictu	_						
taintenance ⊕ Safe		Booting Pictu	Ine Supported pictu	re size: no more than 51	12 KB; resolution: 600*10	24; format. jpg.			
	Standby	Image							
		Time to Enter Stand	30			s 🗘			
		Screen Saver Pictu	ire 🔾 Default 🤅	Custom					
		Displayed Effe	əct 🔾 Stretch 🛈	O Adaptive (1)	• Fill ()				
		Pictu	re No more than 3	picture(s) are allowed. S	Single picture size: no mo	re than			
			1024 KB; forma	t jpg.					
			+						
\$			Save						

b. Support different advertisement mode: authentication mode, Ad in split screen, Ad in full screen



<mark>IK</mark> VISI	ØN® Access C	Control			Person Management	Device Management	System and Maintenance	\$
©	Screen Display	Custom Home Page	Notice Publication	Prompt Schedule	Custom Prompt	Authentication Result Text		
stem guration	E	ka in Full			82:24 wed	96/19 X C E escily Good membry EB P		
				Authentication p	Ad in : age includes ad area and a	Authenticate via Face Split Screen uthentication area, and , Scre n be played in ad.	eensaver, Welcome	
3						Apply		

- 15. Video intercom:
 - a. Support SIP 2.0
 - b. Support VOIP function
 - c. Support contact list on local UI

	Contacts	X
Search		Q
F		
first person DDD		#
99		А
		B
Ν		C D
normal person		E
99		F
		G
		H I
		K T
		L
		Μ
		N O
		P
		Q
		R
		S
		T U
		v
		W
		Х
		Y
		z
Keypad	Contacts	

- 16. Maintenance
 - a. Support protocol testing
 - b. Support network diagnosis
 - c. Support network penetration service



ION® Access Co	ntrol			Person Management	Device Management	System and Maintenance	
Log for Debugging	Protocol Testing	Network Diagnosis	Network Penetration	Service			
*Enter Protoco	ol Address GET	← Enter./ISAPI/		Testi	ng Result		
				Respor	ise Header		
	Execute						
				Return			
				Return	Value		

- 17. Support live view and event search without web plug-in
- 18. Support custom wiegand

HIKVISION® Access Control	0	Person Manag	Custom Wie	gand Setti	ings			\times
System Configuration Wiegand S		Secure Door Control Unit	protocol ler		the third party Wie ick mode, and expe ion.			
Conference	Input Output		Name*					
S Wiegand Mode	Wiegand34	ど 認 Custom Wiegand Settings	Parity Type					Ý
Time Interval Safe	1	ms 💲	Total Length*					Ť
Pulse Width	100	us 💲						
	Save		Wiegand Rule	Enable	Start Bit	Length	Decimal	Operation
	_		Card ID			1 0	1 0	
			Site Code			1 0	1 🔷 🗘	
			OEM No.			1 🔅	1 🔷 🗘	
			Facility Code			1 🔷	1 🗘	
*			ОК	Cancel	Reset			

- Support set sub card reader position for Wiegand reader. If set as the same side as main card reader, sub card reader can work with main card reader to realize combined authentication.
- 20. Support OTAP protocol

<u>Fix bug</u>

1. Fix some known bug

DS-K1T673 Series MinMoe Terminal

Release Notes (2023-12-06)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673DX DS-K1T673DWX	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.18.0_build231123 ACS_673_F1plus_EN_NEU_V3.18.0_build231123
Modules (optional):		
DS-KAB673-B, DS-KAB673-BQR		
DS-KAB673-FB, DS-KAB673-FBQR		
DS-KAB673-WEQR,DS-KAB673-WBQR		
		HikCentral AC:
Naming Rule:	Software	https://www.hikvision.com/en/support/download/sof
D for Desfire, Felica and M1 card	Version	tware/hikcentral-access-control-v2-1/
W for Wi-Fi, F for fingerprint		
G for SIM card,		
B for Bluetooth, QR for QR code		
WE for 868 MHz ,WB for 433 MHz		

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

<u>Fix bug</u>

9 Fix some known bug

DS-K1T673 Series MinMoe Terminal

Release Notes (2023-11-07)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673DX DS-K1T673DWX Modules (optional):	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.18.0_build231023 ACS_673_F1plus_EN_NEU_V3.18.0_build231023
DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR DS-KAB673-WEQR,DS-KAB673-WBQR	Software Version	HikCentral AC: <u>https://www.hikvision.com/en/support/download/sof</u> <u>tware/hikcentral-access-control-v2-1/</u>



Naming Rule:	
D for Desfire, Felica and M1 card	
W for Wi-Fi, F for fingerprint	
G for SIM card,	
B for Bluetooth, QR for QR code	
WE for 868 MHz ,WB for 433 MHz	

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

New Features

10 Support peripheral module to work with alarm keyfob/QR code/Bluetooth function If connected with wireless peripheral module(WE/WB), icon representing keyfob status will change on main screen



Connected

Disconnected

11 Support dual door control. When it connects with security door control unit, it can control 2 doors at the same time. One is connected to door relay of device itself, the second lock is connected with security door control unit. These 2 doors can realize dual-door interlocking, namely when one door is open, the second door cannot be open by authentication or exit button.

Note:

- 1. When secure door control unit work as door 1, keyfob or other authentication method can only open door 1. Press button I on keyfob to open door 1, button II cannot work.
- 2. When secure door control unit work as door 2, you can press button I on keyfob to open door 1, press button II to open door 2, wireless peripheral module needs to be well connected. But using other authentication method, you can only open door 1



HIKVI	SION®							
威	Local		Authentication Settings	Door Parameters	RS-485	Wiegand Settings	Terminal Parameters	Secure Door Control Unit
verview Q	System	^	() Select Door 1 2				
lerson lagement	System Settings		Secure Door Cont	rol Unit Status 🥝 Online	Refresh			
Ē	User Management		() Two-Do	or Interlocking				
t Search	Network	~						
¢ figuration	Video/Audio			Save				
	Image							
tenance Security	Event	~						
	Access Control							
	Intercom							
	Card Settings							
	Platform Attendance							
	Security							
	Smart							
	Preference							

- 12 Support physical call button. Physical call button on peripheral module can work the same way as virtual call button on main screen.
- 13 Support QR code 2.0
- 14 Support add keyfob as credential in person management.(Keyfob model: 302402368 DS-PC2002-WBCKV(O-STD) 433MHz 、302402363 DS-PC2002-WECKV(O-STD) 868MHz)
 - a. Add, delete or check keyfob status on person management of web client. Input serial number of keyfob, press upper left and bottom right of keyfob button for 10s to pair
 - b. Can edit permission of keyfob to control door1 or door2
 - c. Support different authentication mode for keyfob: keyfob or keyfob+face *Note:*

One keyfob can only be paired with one person on one device. One device can pair with Max. 5000 keyfobs

G Add Person			
		If you need to enable/disable	saving face registered pictures function, go to
		Privacy Settings to configure	
	Card	Up to 50 cards can be supp	
		+ Add Card	
	Keyfob		Serial No.*
		+ Add Keyfob	
			OK



🕞 Add Pers			
	UII		
~			
n went	Pr	ivacy Settings to configure.	
	Card Up		
arch			
301		+ Add Card	
zion			
	Keyfob	Press keyfob buttons on upper left and lower right for 10 sec to pair.	
ince unity		+ Add Keyfob	

15 support OTAP protocol

DS-K1T673 Series MinMoe Terminal

Release Notes (2023-02-16)

Device Model: DS-K1T673TDGX,DS-K1T673TDWX, DS-K1T673TDX, DS-K1T673TDX-T	Firmware	ARM: ACS_673_F1plus_EN_STD_V3.10.0_build230202
Modules (optional): DS-KAB673-B, DS-KAB673-BQR	Version	ACS_673_F1plus_EN_NEU_V3.10.0_build230202
DS-KAB673-FB, DS-KAB673-FBQR Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for fingerprint G for SIM card, B for Bluetooth, QR for QR code	Software Version	HikCentral AC: https://www.hikvision.com/en/support/download/sof tware/hikcentral-access-control-v2-0-1/ iVMS: https://www.hikvision.com/en/support/download/sof tware/ivms4200-series/

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Notice

1. Version downgrade. After upgrade to this version, it cannot downgrade. If need to

downgrade, please contact technical support.

2. After upgrade to this version, if device does not store face picture, you needs to apply face picture again.

New Features

16 Support control initial authentication type function. All selected type of authentication mode can be used for first-time authentication in combined authentication mode.



17 Support change sub card reader position. Sub card reader can be used in combined authentication mode if set as the same side as main card reader

HIKVI.	SION®									
ē	Local		Authentication Settings Door Para		ameters	Elevator Control Param	eters I	RS-485	Wiegand Settings	Terminal Parameters
Overview	System	~								
Q Person	Network	~	Tor	Terminal minal Type	1 2					
Management	Video/Audio			ninal Model		lina				
R Event Search	Image		Enable Authentical			m le				
0	Access Control		Sub Card Read	ler Position	O Different	t Side from Main Card Rea	der			
Configuration	Intercom				Same Side	de as Main Card Reader				
3	Card Settings		Aut	hentication	Face				~	
Maintenance and Security	T&A Status		 Continuous Face Rec Alarm of Max. Faile 		3				s 🗘	
	Security		Communication with Cont		0				s 👌	
	Smart		Max. Interval When Enteri	ng Pass	10				s 🗘	
	Preference		OK LE	ED Polarity	◯ Cathode	Anode				

- 18 Video
 - a. Support H.265 encoding mode
 - b. Support OSD function. Max.8 texts overlay can be displayed: time, camera name and Max.6 more customized texts.



HIKVI	SION®																									
ন্দ্র	Local	Display Settings	OSD Configurati	on																						
) Overview	System	^																								
	System Settings		OSD																							
Person Management		Display Set	ttings						Ø	0 0 2	0 • 2	0 • 2		0.	© • • • •											
	User Management		Displayed Content	Disr	olay Name 🔒	Display Date			673	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test	673 test
Event Search	Network	~			~	5.40.0 500			202	2023-03-21 Tue	2023-03-21 Tuesday 05:07:4	2023-03-21 Tuesday 05:07:43 PM	2023-03-21 Tuesday 05:07;43 PM	2023-03-21 Tuesday 05:07:43 PM												
0	Video/Audio			Disp	play Week 🛛 🖌																					
Configuration	Image		Camera Name	673 test	t																					
٩	Access Control		Time Format	12-hour	r	~		3																		
Maintenance and Security			Date Format	үүүү-м	IM-DD	~		4																		
	Intercom							5																		
	Card Settings	Text OverL	ay					6																		
	T&A Status			+ Add	🗍 Delete																					
	Security				Content		Opera																			
	Smart				1																					
	Preference				2																					
					3																					
					4																					
					5																					
					6																					
				Save	e																					

- c. Support video in advertisement mode. Up to 3 videos are supported, single size should be less than 600MB, video format should be MP4.(MP4 Format Conversion Tool provided on web page)
- d. Video or picture be displayed with full screen on device
- e. Support Hik-Connect stream encryption with AES128
- 19 Audio
 - a. Support multi-source audio play. For example, it can play audio of advertisement and authentication prompt at the same time. Other scenario includes advertisement & intercom.
 - b. Support intercom function when connected with ISAPI, ISUP protocol
- 20 Support network connection priority setting(Wired network, WLAN) when connecting with ISUP and Hik-Connect

HIKVI.	SION®								
5	Local		ISUP	Hik-Connect	SDK S	erver			
Overview	System	~							
Q Person	Network	^			Enable				
Aanagement	Network Settings			Protocol	Version	ISUP5.0			~
Ē				Server IP	Address	0.0.0.0			
Event Search	Network Service				*Port	7660			
0	Device Access			•D	evice ID				
Configuration	Video/Audio			* Encrypt	tion Key				é
م Maintenance	Image			Registe	r Status	Ø Offline			
and Security	Access Control					More 🗸			
	Intercom			Network Connection	Priority	Туре	Allow Access	Access Prio	Operation
	Card Settings					Wired Network1		1	\equiv
						WLAN1		2	Ξ
	T&A Status					Drag the icon upware	d or downward to adjust	the network priority.	

- 21 Support capture network packet function
- 22 Support customize authentication result text.



HIKVI	5 <i>10N</i> ®						≰ ⊥ 0	
闽	Local	Screen Display	Notice Publication	Prompt Schedule	Custom Prompt	Authentication Result Text		
Overview	System	^						
Person	System Settings	Customize Authe	entication Result T					
anagement	User Management		Text	Content		Custom		
R M Search	Nelwork	~		Stranger				
	Video/Audio			Authenticated				
O Infguration	Image			Authenticating Falled				
3				Save				
intenance d Security	Access Control			Save				
	Intercom							
	Card Settings							
	T&A Status							
	Security							
	Smart							

23 Support QR code scanner Q340, which is usually used in turnstile QR code module



Modified Features

1. Face recognition algorithm upgrade, it requires device saves registered picture before upgrading to this version.

If save registered picture function was disabled or clear registered face picture function was used before upgrade, you need to apply face picture to device with platform (HCAC/HCP/iVMS4200) or register face picture again

Privacy Settings	
Authentication Result Setting	5
Display Authentication Result	Face Picture Vame Employee ID
Name De-identification	
ID De-identification	
Authentication Result Display Dur	5 s 💲
Picture Uploading and Storag	le
Save Picture When Auth.	
Upload Picture When Auth.	If enabled, the captured picture when authentication will be saved to the device automatically.
Save Registered Picture	
Save Pictures After Linked Capture	If enabled, the captured face picture when registered will be saved to the device.
Upload Picture After Linked Capture	In characteristic approved predictor will be uploaded to the platform automatically.
Clear All Pictures in Device	n eneureu, nie capiureu prunies win ue uproadeu io nie planom automatically.
Clear Registered Face Pictures	Clear
Clear Captured Pictures	Clear

2. Upgrade face anti-spoofing detection algorithm, 4 level supported: disabled, General, Advanced, Professional. It supports customizing anti-spoofing detection threshold in advanced settings for advanced and professional level

HIKVI	ISION®								
6	Maintenance	Restart	Upgrade	Backup and Reset	Device Debugging Log		Advanced Settings		
Overview	Security					-			
Person Management		Face Pa	rameter						
-		Custo	om Anti-Spoofing [Detection					
Event Search		An	ti-Spoofing Detect	ion Level General					
		(i) Anti-S	Spoofing Detection	Thres		C)	85	\Diamond
ද්ටූදි Configuration		(i) Anti-S	Spoofing Detection	Thres		C)	85	$\hat{\mathbf{x}}$
۹		(i) Lock	Face for Anti-Spoo	fing P					
Maintenance and Security			Lock	Duration 2				m	n 🗘
		Version	Information						
			BSF	Version V1.17.0.550	828 build20230131				
			DSF	Version V2.7 build2	0230202				
			Engine	Version V3.7.0 build	20221027				
			Face Algorithn	Version V7.0.2 build	20220926				
				Save					

3. Newly designed web interface UI

Door Status	Real-Time Ev	ent				View
	Employee ID	Name	Card No.	Event Types	Time	Operation
				Remote: Login	2023-02-20 14:31:51	
				Device Tampered	2023-02-20 14:31:42	
Door1				Door Locked	2023-02-20 14:31:37	
				Device Powering On	2023-02-20 14:31:29	
				Local: Login	2023-02-20 14:30:47	
Controlled				Device Tampered	2023-02-20 14:30:42	
Controlled				Door Locked	2023-02-20 14:30:40	
Person Information						
		Added		Added		Added
Person		1			<u></u>	1

4. Optimize booting time, it takes less time to reboot.

DS-K1T673 Series MinMoe Terminal Release Notes (2022-09-30)

Device Model:		ARM;
DS-K1T673DX, DS-K1T673DWX, DS-		ACS_673_F1plus_EN_ STD _V3.3.1_build220906
K1T673TDX, DS-K1T673TDWX	Firmware	ACS_673_F1plus_EN_NEU_V3.3.1_build220906
	Version	Sub module:
Modules (optional):		ACS_DS-
DS-KAB673-B, DS-KAB673-BQR		KAB673_ST1_GML_GM_V1.0.2_build20220505
DS-KAB673-FB, DS-KAB673-FBQR		HikCentral AC:
		https://www.hikvision.com/en/support/download/s
Naming Rule:	Software	oftware/hikcentral-access-control-v1-3-0/
D for Desfire, Felica and M1 card	Version	iVMS:
W for Wi-Fi, F for Fingerprint,		https://www.hikvision.com/en/support/download/s
B for Bluetooth, QR for QR code		oftware/ivms4200-series/

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Modified Features

1. Compatible with new hardware.

DS-K1T673 Series MinMoe Terminal

Release Notes (2022-06-10)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS- K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR	Firmware Version SDK	ARM: ACS_673_F1plus_EN_STD_V3.3.1_build220610 ACS_673_F1plus_EN_NEU_V3.3.1_build220610 Sub module: ACS_DS- KAB673_ST1_GML_GM_V1.0.2_build20220505 Latest baseline version
Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Modified Features

2. Compatible with new 4G module.(the sim card function is reserved)

DS-K1T673 Series MinMoe Terminal Release Notes (2022-02-14)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS- K1T673TDX, DS-K1T673TDWX Modules (optional):	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.3.1_build220120 ACS_673_F1plus_EN_NEU_V3.3.1_build220120 Sub module: ACS_DS-
DS-KAB673-B, DS-KAB673-BQR		KAB673_ST1_GML_GM_V1.0.1_build20211115
DS-KAB673-FB, DS-KAB673-FBQR	SDK	Latest baseline version
Naming Rule:		
D for Desfire, Felica and M1 card	iVMS-4200	
W for Wi-Fi, F for Fingerprint,	Version	Latest baseline version
B for Bluetooth, QR for QR code		

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Modified Features

- 3. Optimize Wi-Fi function;
- 4. Fixed the problem of abnormal URL ID parsing when applying a large number of people to the device
- 5. Optimized the firmware upgrade mechanism

DS-K1T673 Series MinMoe Terminal Release Notes (2021-12-03)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS- K1T673TDX, DS-K1T673TDWX	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.3.1_build211123 ACS_673_F1plus_EN_NEU_V3.3.1_build211123 Sub module:
Modules (optional) : DS-KAB673-B, DS-KAB673-BQR DS-KAB673-FB, DS-KAB673-FBQR	SDK	ACS_DS- KAB673_ST1_GML_GM_V1.0.1_build20211115 Latest baseline version
 Naming Rule: D for Desfire, Felica and M1 card W for Wi-Fi, F for Fingerprint, B for Bluetooth, QR for QR code 	iVMS-4200 Version	Latest baseline version

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Modified Features

1. Fixed some ISAPI protocol issue

DS-K1T673 Series MinMoe Terminal

Release Notes (2021-11-15)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS- K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.3.1_build211101 ACS_673_F1plus_EN_NEU_V3.3.1_build211101 Sub module: ACS_DS- KAB673_ST1_GML_GM_V1.0.0_build20210812
DS-KAB673-FB, DS-KAB673-FBQR	SDK	Latest baseline version
Naming Rule:		
D for Desfire, Felica and M1 card	iVMS-4200	Latest baseline version
W for Wi-Fi, F for Fingerprint,	Version	Latest basenne version
B for Bluetooth, QR for QR code		

Reason of Upgrade

Fix bugs, enhance products quality and meet customers' requirements.

Modified Features

- 6. Fix the defect that the face/card/password cannot be configured when the USB module is not plugged in
- 7. Increase the volume of device voice prompts
- 8. Optimize the face recognition effect.
- 9. Optimize protocol defects with platform

DS-K1T673 Series MinMoe Terminal Release Notes (2021-09-27)

Device Model: DS-K1T673DX, DS-K1T673DWX, DS- K1T673TDX, DS-K1T673TDWX Modules (optional): DS-KAB673-B, DS-KAB673-BQR	Firmware Version	ARM: ACS_673_F1plus_EN_STD_V3.3.1_build210825 ACS_673_F1plus_EN_NEU_V3.3.1_build210825 Sub module: ACS_DS- KAB673_ST1_GML_GM_V1.0.0_build20210812
DS-KAB673-FB, DS-KAB673-FBQR	SDK	Latest baseline version
Naming Rule:		
D for Desfire, Felica and M1 card	iVMS-4200	
W for Wi-Fi, F for Fingerprint,	Version	Latest baseline version
B for Bluetooth, QR for QR code		

Reason of Upgrade

New model DS-K1T673 series MinMoe terminal and USB modules are released for the first time.





HIKVISION



New Features

- 1. 7-inch LCD touch screen, 2 MP wide-angle dual-lens camera with WDR feature;
- 2. Connect external card reader or access controller via RS485 protocol; support Wiegand26/34 output
- 3. Face recognition duration < 0.2 s/User; face recognition accuracy rate $\geq 99\%$
- 4. Face, card, fingerprint, event capacity

	Face	Card	Fingerprint	Event	Wi-Fi
DS-K1T673DX	10,000	50,000	10,000 (optional)		\
DS-K1T673DWX			With module DS-KAB673-FB		Support
DS-K1T673TDX	100,000	500,000	or DS-KAB673-FBQR	150,000	\
DS-K1T673TDWX					Support

- 5. ISAPI protocol makes it easier for integration with third-party software;
- 6. Remote video intercom and unlock door from Hik-Connect App on your mobile/Pad
- 7. Support Hik-ProConnect platform to realize Cloud access control and time attendance management
- 8. Support ISUP 5.0 protocol to manage devices located in different locations;
- 9. When open device for the first time, wizard for activation and basic configuration. Including select language, application mode, select and configure network, Hik-Connect, privacy settings, add administrator face and card.

			Skip
Select Language	Select Application Mode	Set Wired Network	Access to Hik-Connect
English 🗸		онср	Access to Hik-Connect
日本語	Indoor ✓	10.9.96.35	litedev.hik-connect.com
한국어	Others	255.255.255.0	Verification Code
Tiếng Việt		10.9.96.254	
Next	Next	Skip Next	Previous Next



Privacy	Add Administrator
Select All	Employee ID
Upload Pic. When Auth.	Name
Save Pic. When Auth. Save Pic. When Auth.	hik
Haland Die After Linked Conture	Skip Next
Next	

10. USB modules support hot pluging, optional QR (model with -QR), fingerprint(model with -F), and Bluetooth(model with -B) function.

Note:

- a. Bluetooth function will be available in future firmware to work together with mobile APP.
- b. Supported QR Code format: QR Code, Micro QR, Code128, Code39, Codabar
- *c.* How to authenticate QR code:
 1) When The QR code icon is displayed on the standby interface: click on the icon, and then show the QR code in the front of module;

2) When hiding the QR code icon on the standby interface: show the QR code icon directly.

09-27 Mon. 20:32	⊗ % ≌	<	Shortcut Key		09-27 Mon. 20:32	8	※ 뉩
20102		Call					
		Call Type		Call Room >			
		Password					
		QR Code					
					QR icon	is hidde	n
							S.
	~						da la
Authenticate via	a Face 💼				Authentica	ate via Face	

- 11. Support breathing light, it can be used to indicate the device position in the night
 - a. In the standby status, the breathing light will cycle from dark to bright, and then to dark.
 - b. When there is an authentication event, the breathing light will stay on for a while, and then the breathing indication state will be restored

12. Support 3.5mm standard audio output interface in the back of device.

Speakers can be connected externally, and the output sound can be played by the speakers. Supports hot plugging, which can be plugged in or unplugged at any time before and after the device is powered on. After the speaker is plugged in, the sound will be played by the speaker, and the sound will be played by the device's own amplifier when it is unplugged.

Special circumstances: When intercom function is enabled, whether or not a speaker is plugged in, the voice will be played locally by the device. (Prevent the echo interference)

13. Self-defined shortcut key (Call Room, Call Center, Call Specified Room, Call App and Password) on main interface;

<	Communication	
		<
Wired Network		> Protocol
RS-485		> Central
Wiegand		> Main Cha
ISUP		> ISUP
Access to Hik-Co	nnect	> Address
		IP
	ess to Hik-Connect	Port
Access to Hik-Co	nnect	Device II
Server IP	litedev.hik-connect.	t.com > ISUP Key
Verification Cod	e hik12	2345 >

14. Configure ISUP and Hik-Connect parameter in device local menu

15. Login and configure device in web client via browser;





©2021 Hikvision Digital Technology Co., Ltd. All Rights Reserved.

16. Support multiple face authentication(maximum 5 person can be recognized at the same time) *Note:* after enable the function, card reader authentication mode, custom authentication and attendance status function cannot be used.

Biometrics		Biometrics
Select Application Mode	Indoor >	Select Application Mode Indoor >
Face Liveness Level	Normal >	Face Liveness Level Normal >
Recognition Distance	Auto >	Recognition Distance Auto >
Face Recognition Interval	3 >	Face Recognition Interval 3 >
Wide Dynamic		Wi The following functions cannot be used:
Face 1:N Security Level	90 >	Fat Card Reader Authentication Mode,Custom Authentication,Attendance Status
Face 1:1 Security Level	90 >	Fa Cancel Save
ECO Settings	>	ECO Settings >
Face with Mask Detection	Enable >	Face with Mask Detection Enable >
Multiple Faces Authentication		Multiple Faces Authentication

17. Support call elevator function.



HIKVISION	Live View Use	r Search	Configuration	
🖵 Local	Door Parameters Elevat	or Control Parameters	RS-485	Wiegand Settings
🖽 System 🗸 🗸				
	Enable Elevator Control			
🖽 Video/Audio	Elevator No.	Elevator No.1	~	
🖾 Image	Elevator Controller Type	DS-K2210	~	
📋 Schedule 🛛 🗸	Interface Type	Network Interface	~	
🔅 General	Negative Floor Capacity	0		
🞍 Intercom	Alarm Receiver Type	IP	~	
Access Control	Server IP Address	0.0.0.0		
ဂ္ဂ Smart	Port	0		
🖾 Theme	User Name			
	Password			
		Save		

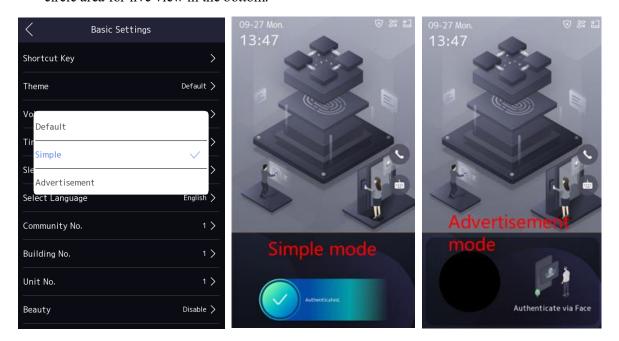
- 18. Self-defined voice prompt (TTS function, English only) and screen display info (user ID, name and face picture) for authentication.
- 19. Self-defined welcome message and picture and displayed by schedule.



MIKVISION	Live View Use	r Search Configuration
📮 Local	Theme Media Database	
🖹 System 🚿	And the second sec	○ Authentication Mode ● Advertisement ○ Simple
Network		
🖽 Video/Audio	Sleep	
🖸 Image	Sleep after	60 S
📋 Schedule 🔹 🔨	Theme Management	+ Add Program
🔅 General		Welcome Message
🎍 Intercom		Template 1
Access Control		Main Title Please Input Welcome Message
၇ Smart		Font Size 60 🗸 Font Color
Theme		Sub Title Please Input Welcome Message
		Please Input Pleas
		Uhave Insut Welcome Message Sub Title 2 Please Input Welcome Message
		Font Size 32 🗸 Font Color
		Background Picture Custom
		When the background image is delivered to the device, t
		Picture(0/8)
	Play Schedule	Welcome Message Select a theme first and then set the playing time.
		X Delete All
		0 2 4 6 8 10 12 14 15 18 20 22 24

20. Support simple mode, advertisement mode when authenticating.

Default mode: Full screen live view when authenticating face **Simple mode**: Display wallpaper on the top and no live view when authenticate face **Advertisement mode**: The screen will display the wallpaper on the top area, and a small round circle area for live view in the bottom.



21. Network



Support TCP/IP(IPv4&IPv6), Wi-Fi (Model with -W), adapt to LAN(network) or WAN(ISUP 5.0) network environment

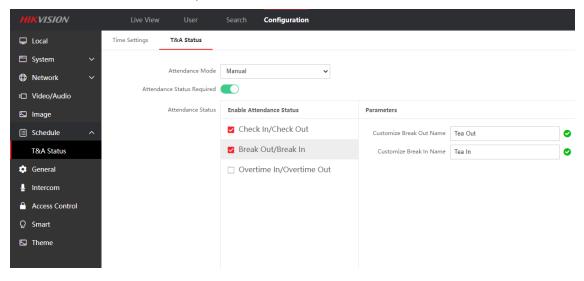
<	Wired Netwo	rk
IPv4 Address		
DHCP		
IPv4 Address		10.9.96.35 >
IPv4 Subnet Ma	ask	255.255.255.0 >
IPv4 Gateway		10.9.96.254 >
IPv6 Address		
IPv6 Mode	Rou	ter Advertisement >
IPv6 Address		" >
Subnet Prefix	Length	0 >
IPv6 Gateway		">
Router Advert	isement	>
DNS		
Auto Obtain D	NS	

Note for IPv6:

Function	Ipv4	Ірv6
HTTP/HTTPS (80/443 port)	Support	Support
SDK (8000/8443 port)	Support	Not Support
ISUP	Support	Not Support
Hik-Connect	Support	Not Support
Picture server	Support	Only support local server work as picture server, Not Support storage, KMS
Live view (RTSP)	Support	Support
NTP	Support	Support
DHCP(V6)	Support	Support
WIFI	Support	Support
DNS	Support	Support

22. Function

- a. Support face mask recognition.
- b. Video intercom with indoor station, master station and platform;
- c. Multiple verification modes: Face, card, fingerprint(-F only), PIN code;
- d. Face recognition distance ranges from 0.3 to 3 meters;
- e. Support check in/check out/break out/break in/overtime in/overtime out attendance status, and self-define status name;



f. Support privacy protection, customer can define the privacy related parameter, such as Event Storage Settings, Picture Uploading and Storage, Clear All Pictures in Device

HIKVISION	Live View			Configuration	
🖵 Local	Authentication Settings	Privacy	Face Re	cognition Parameters	Card Security
🖽 System 🗸 🗸					
Hetwork V	Event Storage Settin	igs			
ロ Video/Audio		Event S	torage Type	Overwriting	~
🖾 Image					_
📋 Schedule 🛛 🗸				Save	
🔹 General	Authentication Setti	ngs			
💄 Intercom	C	isplay Authentic	ation Result	🗌 Face Picture 🔽 Name	e 🗌 Employee ID
Access Control		Name De-i	dentification		
ဂ္ဂ Smart					
🖾 Theme				Save	
	Picture Uploading a	nd Storage			
	Upload Captured I	Picture When Au	thenticating		
	Save Captured I	Picture When Au	thenticating		
		Save Regist	tered Picture		
	Upload	Picture After Lin	ked Capture		
	Save F	Pictures After Lin	ked Capture		
					_
				Save	
	Clear All Pictures in	Device			
					@202

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action. For any questions and request for this firmware, please contact our local technical support team.

Note:

- 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.

Hikvision Digital Technology CO., Ltd. No. 555 Qianmo Road, Binjiang District, Hangzhou 310051, China Tel: +86-571-8807-5998 FAX: +86-571-8993-5635 Email: overseabusiness@hikvision.com