

# **Release Notes**

# **ZKBioAccess IVS**

Date: September 2021 Doc Version: 1.5 English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



For further details, please visit our Company's website www.zkteco.com.

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If there is any issue related to the product, please contact us.

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To know more about our global branches, visit <u>www.zkteco.com</u>.

### About the Company

ZKTeco is one of the world's largest manufacturer of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face-reader Door Locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

### About the Manual

This manual introduces the Release notes of ZKBio Access IVS.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.

### **Document Conventions**

#### Conventions used in this manual are listed below:

#### **GUI** Conventions

For Software													
Convention	Description												
Bold font	Used to identify software interface names e.g. <b>OK</b> , <b>Confirm</b> , <b>Cancel.</b>												
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.												
	For Device												
Convention	Description												
<>	Button or key names for devices. For example, press < OK>.												
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.												
/	Multi-level menus are separated by forwarding slashes. For example, [File/Create/Folder].												

#### Symbols

Convention	Description
	This represents a note that needs to pay more attention to.
<b>9</b>	The general information which helps in performing the operations faster.
*	The information which is significant.
•	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

# Table of Contents

1	STATEMENT	6
2	VERSION 3.3.0	6
3	VERSION 3.2.2	8
4	VERSION 3.2.1	8
5	VERSION 3.2.0	8
6	VERSION 3.1.0	.10
7	VERSION 3.0.0.	.12
8	VERSION 2.0.0.	.17
9	VERSION 1.1.2	.23
10	VERSION 1.1.1	.23
11	VERSION 1.1.0	.23
12	VERSION 1.0.0	.24

### 1 <u>Statement</u>

- 1. ZKBio Access IVS offers three types of updates: Major Updates, Minor Updates, and Patch.
  - **Major Updates:** Major updates include significant updates in modules or functionalities of the Software and are recommended to all the users.
  - **Minor Updates:** Minor updates include improvements in a few functionalities of the Software.
  - **Patch:** The bugs are fixed in the Patch version.
- 2. Version Number Description:



[Note: Upgrade tools are provided for Major Updates only. For other updates, please contact us.]

### 2 Version 3.3.0

Release Date: 2021/07/01

Update Type: Minor Updates

#### **New Features and Improvements**

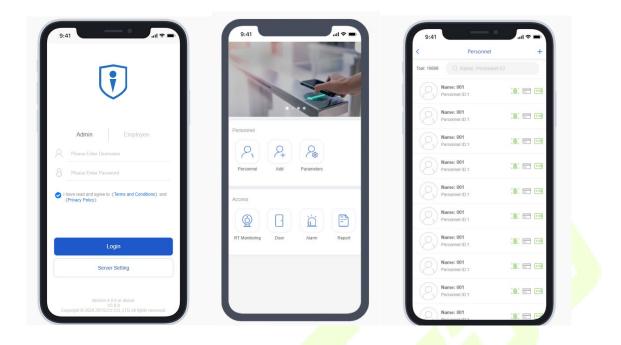
#### 1. Software Language

- The new version supports Turkish language. It allows users to switch among 18 languages. Enter the login credentials and select the required language from the drop-down list.
- Updates the translation of Korean and Vietnamese languages.

#### 2. New APP for ZKBio Access IVS

The ZKBio Access IVS **Mobile APP** is the mobile client for ZKBio Access IVS new version. There are two types of user accounts, **Administrator** and **Employee**.

While logging in as an administrator, it is very convenient for users to add personnel, control the doors and view the reports etc.



It allows employees to user **Mobile Credentials** to open doors when logging in App with their accounts.



#### 3. Platform Features Upgrade

For data export, user password is required for the security verification purpose in the system. Data export includes all kinds of reports, personnel information and so on.

On the Export interface, user can choose whether to "**Encrypt or Not**" by clicking on "**Yes**" or "**No**". By clicking on Yes, a user is allowed to encrypt the export data file.

# 3 <u>Version 3.2.2</u>

Release Date: 2021/07/01

Update Type: Patch

#### **Bug Fixed**

Fixed the bug that the remote opening transactions cannot be viewed in the reports and the real-time monitoring page.

### 4 <u>Version 3.2.1</u>

Release Date: 2021/05/20

<mark>Update Type: P</mark>atch

#### **Bug Fixed**

- 1. Fixed the bug that the software cannot start up in minority language OS.
- 2. Fixed the bug that the Check-in & Check-out time cannot be filled in Italian.
- 3. Fixed the bug that cannot fill the IP address of device while adding device manual.

### 5 <u>Version 3.2.0</u>

Release Date: 2021/04/06

Update Type: Minor Update

#### **New Features and Improvements**

#### 1. Software Languages

The new version supports German, Italian, Romanian, and Polish languages. It allows the users to switch among 17 languages. Enter the login credentials and select the required language from the drop-down list.



#### 2. Video Intercom

The new version supports the video intercom access control device SpeedFace-V5L. Since the software supports the video intercom function, the video intercom call record report is newly added.

Once the device is added, and if the software is logged-in, the video call of the visual intercom device will pop up on the screen, which can be connected and rejected. Meanwhile, the users can remotely open the door, and realize the video and voice intercom functions.

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8	Video Intercom						oulles?						
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# 6 Version 3.1.0

Release Date: 2020/10/23

Update Type: Minor Update

#### **New Features and Improvements**

#### 1. Software Language

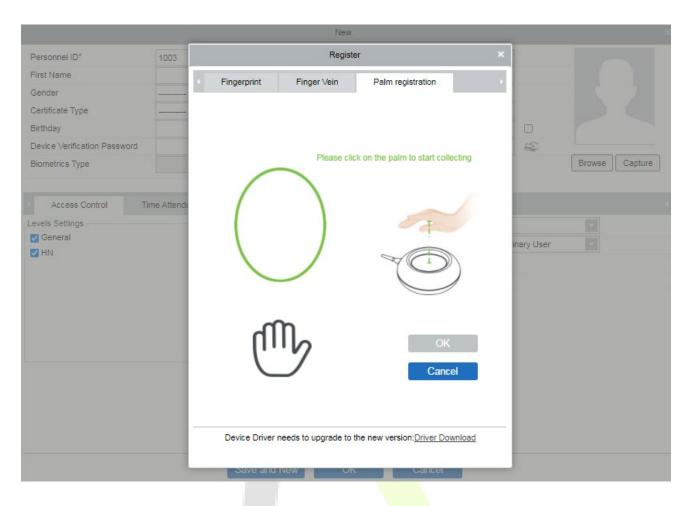
The new software supports Japanese language as well. It allows users to switch among 13 languages. Enter the login credentials and select the required language from the drop-down list.

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ZKTECO		English 英語
Copyright © 2020 ZKTECO CO., LTD .		中文(简体) 中国語(簡体字)

2. Register Palm through PV10R

#### Our software allows PV10R to scan and capture the palm and vein templates.

- PV10R is a touchless scanner for capturing palm and vein templates.
- ZKBio Access IVS allows user using PV10R to scan and register employee's Palm data easily.
- On the **Personnel** module, click **New** >**Access Control**> **Palm/Vein Registration** to register and then click **OK** to save and update.



#### 3. Sending Automatic Temperature Reports

This newly added function allows the user to configure sending the exported Temperature Raw Record, Individual Temperature Record, Abnormal Temperature Record to the selected email accounts on time.

- On the Temperature Management module, click Temperature Management > Automatic
   Report, and then select the Report Type (Temperature Raw Record or Individual Temperature
   Record or Abnormal Temperature Record) from the drop-down list.
- After selecting the required report details, configure the Mail Delivery Time Setting and the Mail Setting displayed on the right of the Edit window, and then click OK to save and update the changes.

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Abnormal Temperature Record		File Type*	EXCEL		
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Monthly Statistics				Receiver Setting	Set by Personnel
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Parameters				Title Setting*	The Maximum Length50
				Body Setting	The Maximum Length200
			ОК	Cancel	

# 7 <u>Version 3.0.0</u>

Release Date: 2020/07/27

Update Type: Major Update

#### **New Features and Improvements**

#### 1. Temperature Detection Module

Combines the technology with infrared temperature detection to provide accurate and fast temperature detection during verification, the new ZKBio Access IVS provides responsive, intuitive, user-friendly web application and various analysis reports to work with Body Temperature and Mask Detection devices.

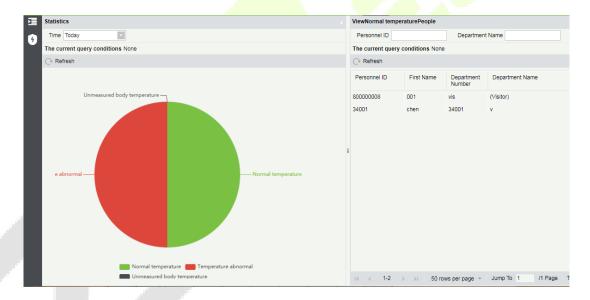
#### Real-Time Monitoring

Real-time monitoring provides a very clear visualizing interface for the user to detect all the staff or stranger's body temperature and masks who have a verification record on the thermal detection devices.



#### Statistic Panel

Statistic panel helps the user to view the body temperature of all the staffs. It allows the Administrator to check every day's statistics, weekly and monthly statistics.

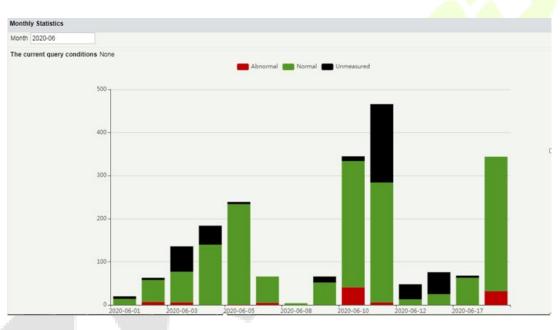


• Various analysis reports include [**Temperature Raw Record**], [**Individual Temperature Record Reports**] and [**Abnormal Temperature Record**] that helps the user to check the individual temperature record by date, and know the employee's daily body temperature, filter the abnormal temperature quickly.

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	Abnormal Temperature Record												
	Department Daily Statistic												
	Monthly Statistics												
	Parameters												

#### Monthly Statistics

The infographics display the statistics of Abnormal, Normal, and Unmeasured temperature records of the month.



#### 2. VMS Module (Video Management System)

#### Supports Stranger Monitoring

With the optimized Facial Recognition NVR and intelligent IPC camera, ZKBio Access IVS now supports stranger screening in real-time.



#### • Alarm Confirmation Management

Allows the user to confirm alarm details by checking the captured photo, previewing video, or checking video records. Users can acknowledge the alarms with remarks and send the notifications.

	Remarks	
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	Alam Commedi	
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	E-mail Address	
	leo.hou@zkteco.com	
1		
	Enter multiple mailboxes, separated by commas(,) or semicolons(;).	
	OK Close	

Personnel Track Trace

According to the time sequence, the Personnel photos captured by the different cameras will be displayed on the 2D maps to simulate personnel tracking.



#### • VMS Global Linkage

Allows the user to configure smart video camera events such as Motion Detection, Cross Line Alarm, Human Detection, Blocklist/Stranger Alarm, etc., to trigger intelligent linkage actions, including Video Capture, Video Recording, Access Control (Door open, Close, Lock and Unlock), Email Alert/Notification.

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#### 3. Platform & System

- Support backup of database to the FTP Server.
- Newly supports Portuguese (Brazil), French and Arabic languages. It allows users to switch among 12 languages now.

### 8 <u>Version 2.0.0</u>

Release Date: 2020/03/10

Update Type: Major Update

#### **New Features and Improvements**

1. ZKBio Access was renamed as ZKBio Access IVS

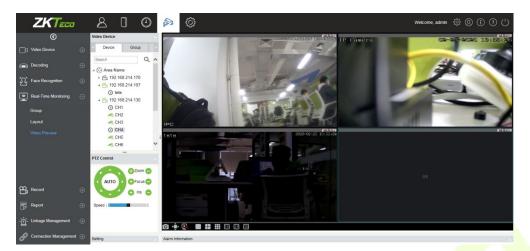
#### 2. Web-based Attendance module

- Supports setting the [Attendance Point] function on an access device and generate T&A logs.
- Supports setting the [Attendance Point] function on a facial recognition NVR video channel and generate T&A logs.
- Supports adding the new platform attendance devices to manage attendance.

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#### 3. VMS module (Video Management System)

• Supports video preview and playback.



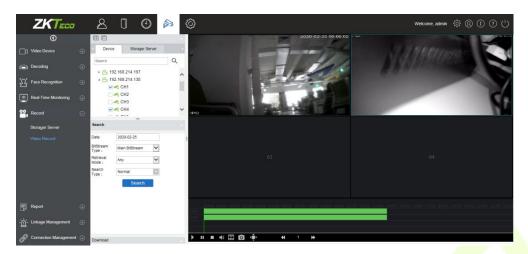
Supports 64 standard screen segmentation and 48 widescreen segmentation at most.

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Connection Management	$\oplus$	Alarm Information							

• Supports the plan configuration of timed recording and event recording.

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• Supports double code stream, multichannel playback, and up to 16 times the playback speed.



Supports decoder polling as planned, decoder playback and TV wall splicing function.

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	Date:	2020-02-25						
💭 Face Recognition 🕀	BitStream Type :	Main BitStream	~					
	Retrieval Mode :	Any	~					
Real-Time Monitoring +	Search Type :	Normal						
Record 🕀		Search			00 04:00 05:00 06:00 07:00 08:00 0	9:00 10:00 11:00 12:	:00 13:00 14:00 15:00 16:00 17:00	18:00 19:00 20:00 21:00 22:00 23:00
🕞 Report 🕀				CH4				
- 📺 - Linkage Management 🛛 🕀				0000 -				2020-02-25 03:03:59
🖉 Connection Management 🕀								

• Supports multiple alarm types, such as mobile detection, video loss, video blocking, alarm input, count detection, area detection, article detection, and cross line detection.

Ø	Rule Name	Q 🛞	
	The current query conditio		
Decoding	Rule Name	Alarm Type Alarm Source Remarks Enable Operations	
		New Celebra Disable	
Face Recognition	Rule Name*		
Real-Time Monitoring	Alarm Type*	Motion Detection	
	Alarm Source*	Motion Detection	
Record	Linkage Action*	Video Loss PTZ Video Occlusion	
		Alarm Inputs Pop-up Image TV Wall	
Ú- Linkage Manager	Action Type*	Counting Detection Area Detection Hem Detection	
		Cross Line Detection	
	Remarks	^	
		~	

4. New database supported: MS SQL Server & Oracle.

1 Setup - ZKB	-	eal-Time	e Monitori	ng	
	Pair up database SQL Server and Oracle are all support please install the database by yoursel	ed. f if you're going to use	e non-default database.		
	Adopt default database Database:PostgreSQL Remote database SQLServer Oracle	Database Name Username Password IP address Port Confirm	biosecurity-boot root 127.0.0.1 5442		
© Datab	Dase:PostgreSQL		< Back	Cancel Next >	

#### 5. System security improvements

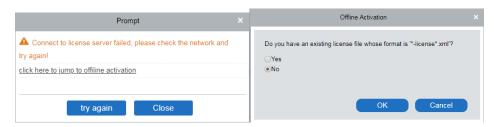
- The default PostgreSQL database supports password change.
- The Password needs to be modified on the first login.
- Supports setting the security parameters including Login verification code/ default Password strength/ number of acceptable login fails and account locking duration/ Password validity (in days)/ Password modification.

ZKTECO	80	() ()	0		0	Welcome, admin	\$} (	) ()	() (
©	Security Parameters								
Basic Management 🕘	Login Verification Code:	None							
Authority Management	Default Password Strength	n:	) Medium 🕧 🛞 Higher 🕦						
User	Failed Login:	3	Time(s)						
	Account will lock:	10	minutes						
Role	Password Valid Days(Day)	30							
System									
Menu	Password Modification:	None							
Operate									
Security Parameters									
<b>P</b> -	OK								
Communication 🕀	ОК								

#### 6. Change of Trial rules

- Increase in trail period points, up to 25 access points/15 attendance points/16 VMS points.
- Trial period is extended to 60 days.

7. Optimized License Activation guide helps the users to activate the license conveniently.



#### 8. Access control module

• Added I/O board set, supports expansion board equipment which is used with the Controller.

	ZKTECO		8	0 0	) 🔊	$\langle \hat{Q} \rangle$				Welcome, admin 🄅 🕕 (†) (†)
			Device Name	9	Area	Name	<u>୍</u> ର ୧	)		
R		5	The current qu	uery conditions No	one					
•••		ĺ _	🕞 Refresh	🕒 New 🍈 De	alete					
		Î	Name		Area Name	Owned Device	Number	I/O Board Type	RS485 Address	s Operations
		н								
		н				New	×			
				Name*						
	Auxiliary Input	н		Device Name" I/O Board Type"		Click to select				
	Auxiliary Output	н		RS485 Address						
	Event Type	н		RS485 Address	Code Figure	ON KE				
	Daylight Saving Time	н								
		н		After the config	uration you need	to restart the device to tak	o offect			
	Device Monitoring	U		Alter the coming	uration, you need	to restart the device to tak	e enect.			
	Real-Time Monitoring	U								
	Alarm Monitoring	ų		Save a	ind New	ОК Са	ncel			
		~								
ß		)								
3		•		0 > >1	50 rows per pag	e 👻 Jump To 1	/0 Page Total	of 0 records		

• Added an alarm monitoring page for the users to handle the alarm information.

ZKTeco		2	() ()	Ô			Welcome, admin 🖏 🕦 👔 (?) (
©	Ø	Acknowledge					
Device	Θ	Time	Device	Event Point	Event Description	Person	Reader Name
- Device	<u> </u>	2020-02-20 10:36:14	192.168.10.219	192.168.10.219-1	Tamper Alarm		Other
		2020-02-19 18:59:33	192.168.10.219		Disconnected		Other
I/O Board	- C	2020-02-19 18:14:06	192.168.10.232		Disconnected		Other
Door	- C	2020-02-19 15:55:07	192.168.10.219		Disconnected		Other
Reader		2020-02-19 15:51:48	192.168.10.219		Disconnected		Other
Auxiliary Input	- C	2020-02-19 12:27:32	192.168.10.219	192.168.10.219-1	Tamper Alarm		Other
Auxiliary Output		2020-02-19 08:55:29	192.168.10.219	192.168.10.219-1	Tamper Alarm		Other
		2020-02-14 15:21:07	192.168.0.105		Disconnected		Other
Event Type	110	2020-02-13 18:38:52	192.168.0.105		Disconnected		Other
Daylight Saving Time							
Device Monitoring							
Real-Time Monitoring							
Мар	~						
Access Control	÷						
Reports		urrent Total:9/100 art Time:2020-02-20 15:42	Total Received:0				Show Photo

• The real-time monitoring interface of the Access Control module now supports multiple door selection and operation.

	ZKTECO	80	٩						Welcome, admi	0 \$\$	) (j	( <sup>1</sup> ) ( <sup>1</sup> )
	Ø	Area		Status	Device Name	1	More 👻 🙁					
B	Device	Door A	xiliary Input	Auxiliary Output								•
-	Device	All Doors 📔 Remote	Opening	Remote Closing Gancel	Alarm  Remote N	formally Open $\equiv$ More	*					
	VO Board	192.168.0. 192.168	10 192.1	Remote Normally	Open	×						^
	Door	105-1	.10 .219	9-1 Target:Sele	cted e you want to perform	the Remote						
	Reader				pen operation?							
	Auxiliary Input				OK Car	icel						
	Auxiliary Output											+
	Event Type	Current Total:3	• •	Online:1 🥥 Disable:0 🥥 Offline:2 🧯	Unknown:0	Door Name						
	Daylight Saving Time	Real-Time Events										~
	Device Monitoring	Time	Area	Device	Event Point	Event Description	Card Number	Person	Reader Name	Verification Mod	e	
	Alarm Monitoring											
	Мар											
	Access Control											
P	Reports	Total Received: 0		Normal:0	Clear Data	Rows Event Des	cription		Ever	t Reminder Sou	nds 🗹 Sh	ow Photos 🗹
		 rotor reconned. o		And Checker Products	Great Data	Liven Dea						

• Supports one click to open all the doors of an access level.

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	$\odot$	A	ccess	Levels					<	E	rows	e Levels General ( Are	ea Nar	ne ) Door Combin	nation				>
R	Device 🤅	Ð	Level I	Name		Time Zo	ne	Q	۲		Door	Name		Owned Device	e		C	( 🗵	
u,			he cun	rent query condi	tions None					T	'he cu	irrent query conditions	None						
Ĥ	Access Control	9 0	Ref	resh 📑 New	Delete	上 Door Co	ntrol 👻			(	ि Re	efresh   m Delete Door		Export					
	Time Zones	â.	•	Level Name	Area Name	Time Zone	Door Count	Operations				Door Name		Owned Device					
	Holidays		~	General	Area Name	24-Hour Ad	ce: 1	Edit Add Door				192.168.10.232-1		192.168.10.232					
		P	~	test-sz	Area Name	24-Hour Ad	:ce: 1	Edit Add Door											
	Set Access By Levels					Remote Op			×										
	Set Access By Person					Targe Open	: All Doors	second(1-254)		1									
	Set Access By Department						ОК	Cancel											
	Interlock								_										
	Linkage																		
	Anti-Passback																		
	First-Person Normally Open																		
	Multi-Person Group																		
	Multi-Person Opening Door	~																	
5	Reports G	•		1.0	51 60 4		- Jump To	1 /1 Dana	Total of 2 records	•	<	< 1-1 > >)	50	ows per page 👻	Jump To 1	/1	Page	Total of	1 records

• Automatic export function is added to the parameter configuration interface.

ZKTECO	8 0 ø ø	Welcome, admin	\$\$ @	() ()
©	Type of Getting Transactions			^
Device 🕀	Periodically Interval:     T + hour(s)			
Access Control				
	12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 Select All Cancel			
Access Levels	▲ Getting transactions and synchronization time will be done at the same time.			
Set Access By Levels	Transactions Auto-Export			
Set Access By Person	Auto-Export Frequency By Day			
Set Access By Department	Export Mode: Daily Transactions			
Interlock	All Data(export up to 30000 pieces of data) Recipient's Maibox			
Linkage	Example:123@foxmail.com,456@foxmail.com			
Anti-Passback				
First-Person Normally Open	Enter multiple mailboxes, separated by commas(,) or semicolons(;).			
Multi-Person Group	Real Time Monitoring The Real Time Monitoring Page Pop-up Photo Size Max Height (140 px(80 - 500)			
Multi-Person Opening Door	Refresh the real-time monitoring page after setting Height.			
Parameters	Alarm Monitoring Recipient's Malibox Example 123@foxmail.com.456@foxmail.com			-
Reports 🕀	ОК			

Note: Please refer the user manual for more details.

# 9 <u>Version 1.1.2</u>

Release Date: 2019/09/20

Update Type: Patch

#### **Bug Fixed**

Fixed the bug that the device list (Access module -> Device) and door list (Access Module -> Door) are not displayed in Turkish Windows 10 OS.

### 10 Version 1.1.1

Release Date: 2019/08/26

Update Type: Patch

#### **Bug Fixed**

Corrected the translation of the region in the License Activation menu.

### 11 Version 1.1.0

Release Date: 2019/08/02

Update Type: Minor Update

#### **New Features and Improvements**

1. Multi-language real time switching support.

Convenient for different native speakers to select the corresponding language to operate the software. The software currently supports real-time switching in 7 languages including English, Spanish, Thai, Indonesian, Vietnamese, Simplified Chinese and Traditional Chinese.

Note: Only after the installation is completed, the software supports switching to Simplified Chinese.

2. Supports Temporary staff self-service scanning QR code registration function.

Temporary personnel can use the mobile phone to scan the QR code to register personnel information, and it also supports uploading their own user photos for visible light facial recognition devices for attendance or door opening.

3. Supports HTTPS protocol for data security, avoiding the risk of information disclosure and reducing the probability of a website being hacked.

# 12 Version 1.0.0

Release Date: 2019/02/23

No Content Available

Update Type: Release

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