



8FIDKR Remote Access

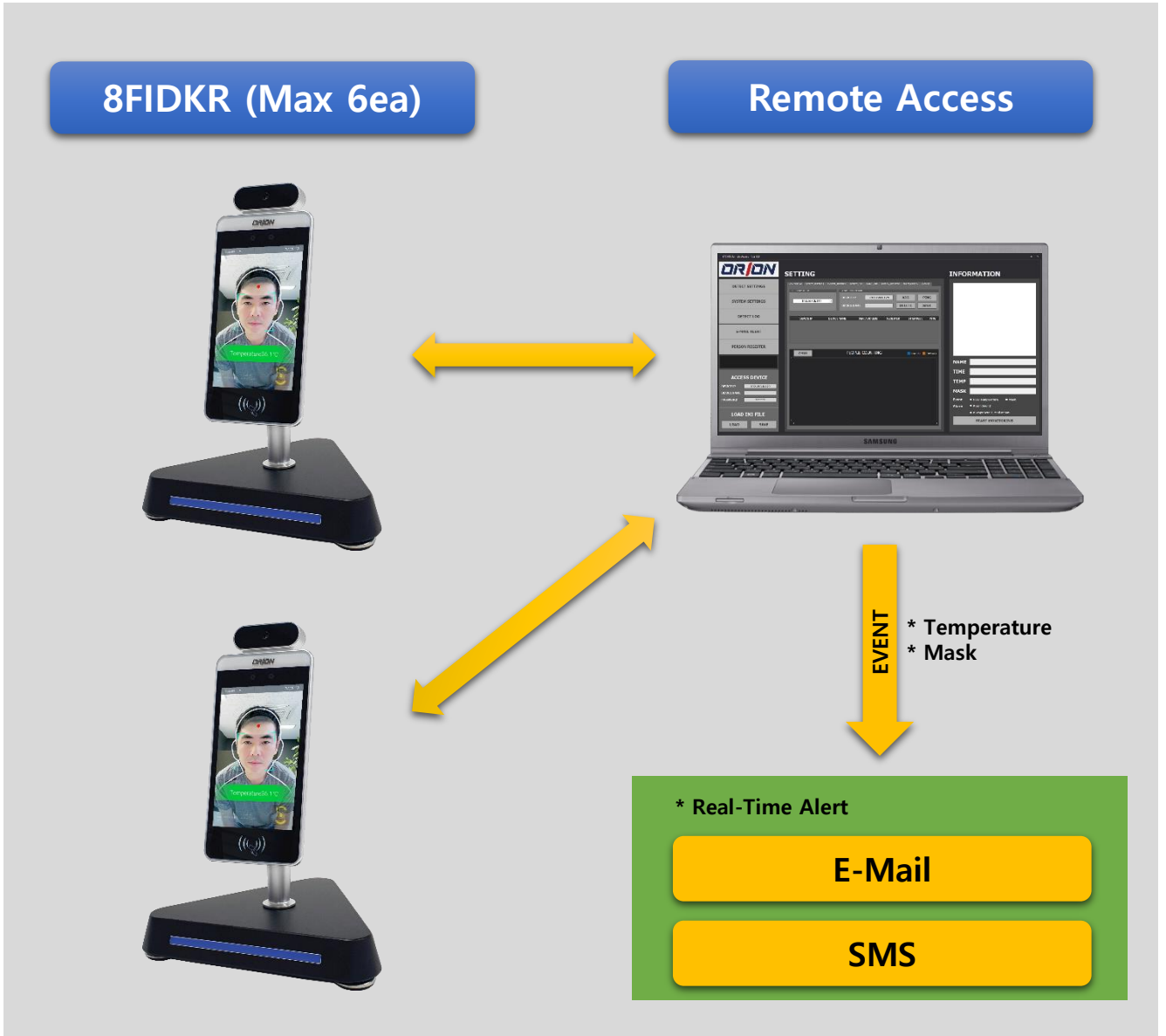
USER MANUAL

<All contents of this document may change without prior notice, and actual program appearance may differ from that depicted herein>

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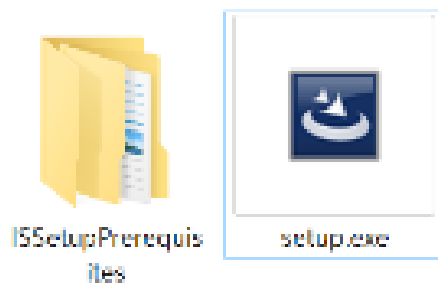
1. Program Block Diagram



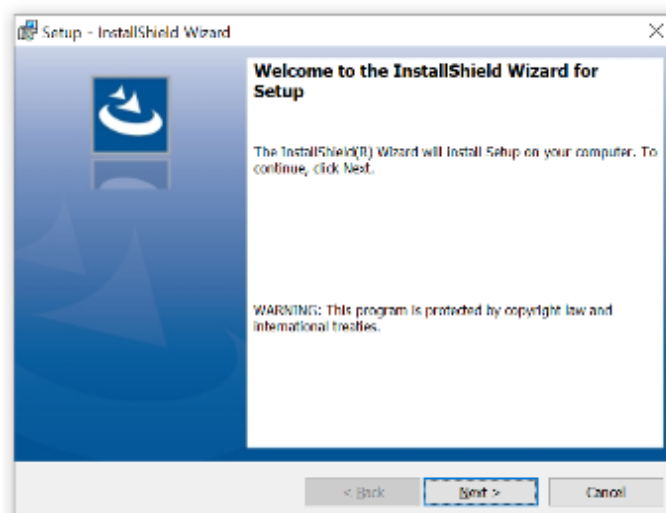
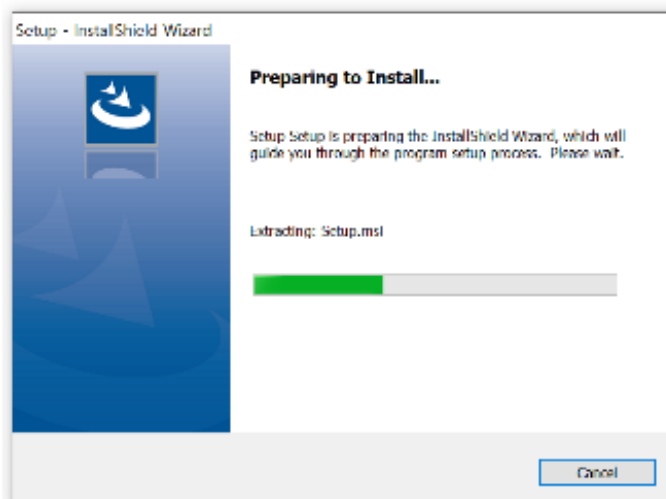
2. PC – Recommended Configurations

- **Processor (CPU)** Intel Core i5
- **Operating System** Microsoft Windows 7, 10
- **Memory** 8GB
- **Storage** 2GB storage area
- **Monitor/Display** Full-HD, 1920 x 1080 or better
- **Other** Webcam (option)

3. Install

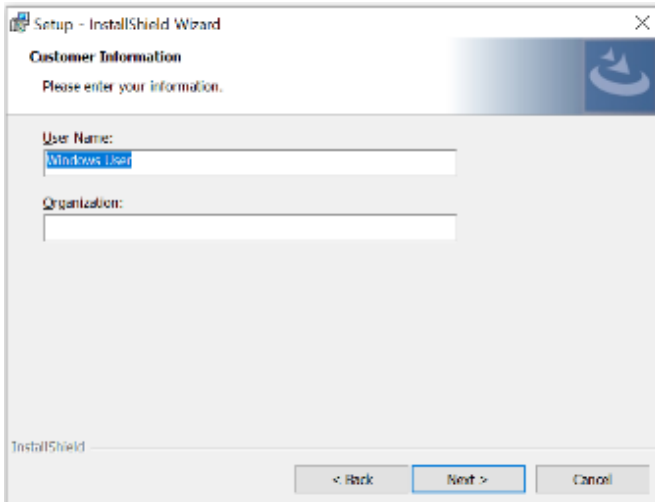


- Double click Setup.exe file

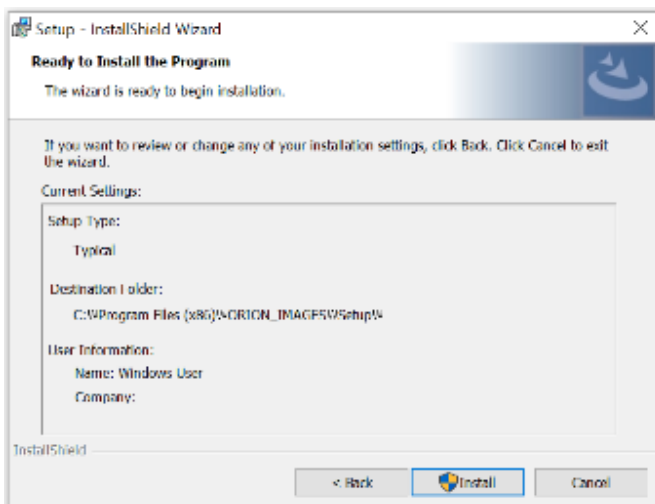


- Click Next button

3. Install

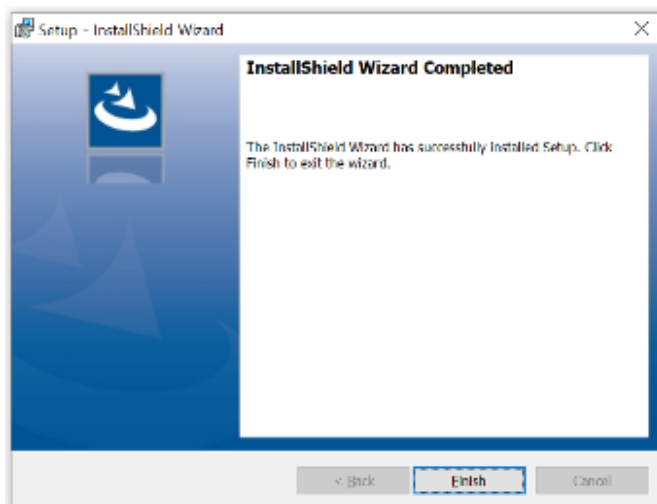
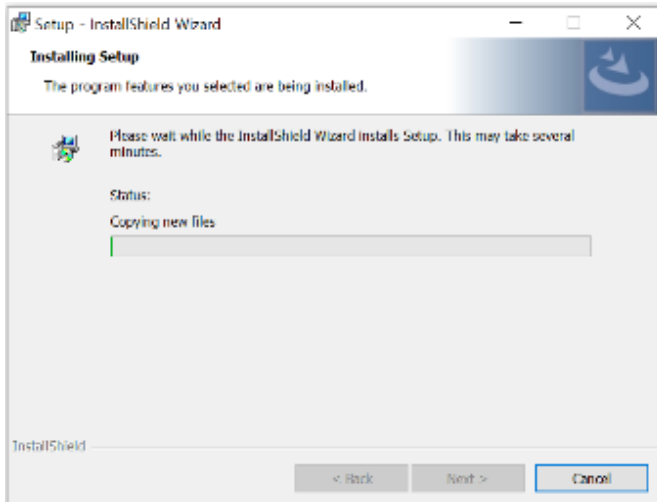


- Click Next button



- Click Install button

3. Install



- Click Finish button

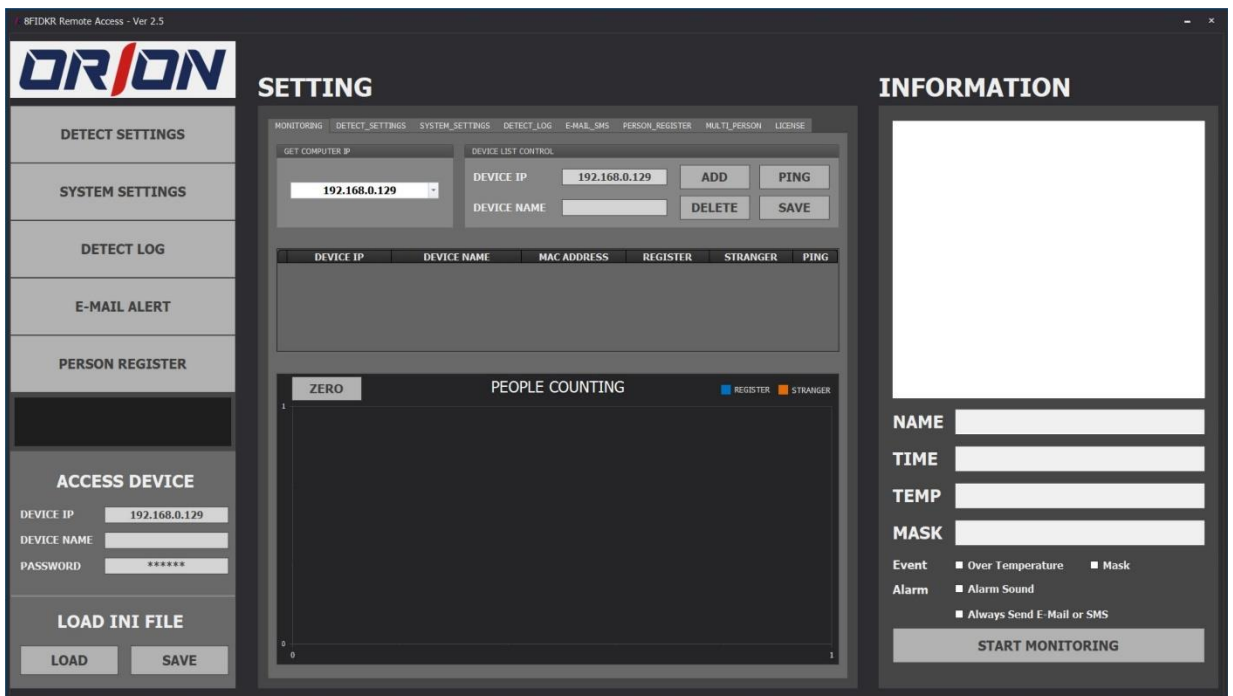


- Created ORION_8FIDKR_Control Icon

4. Program icons and Execution

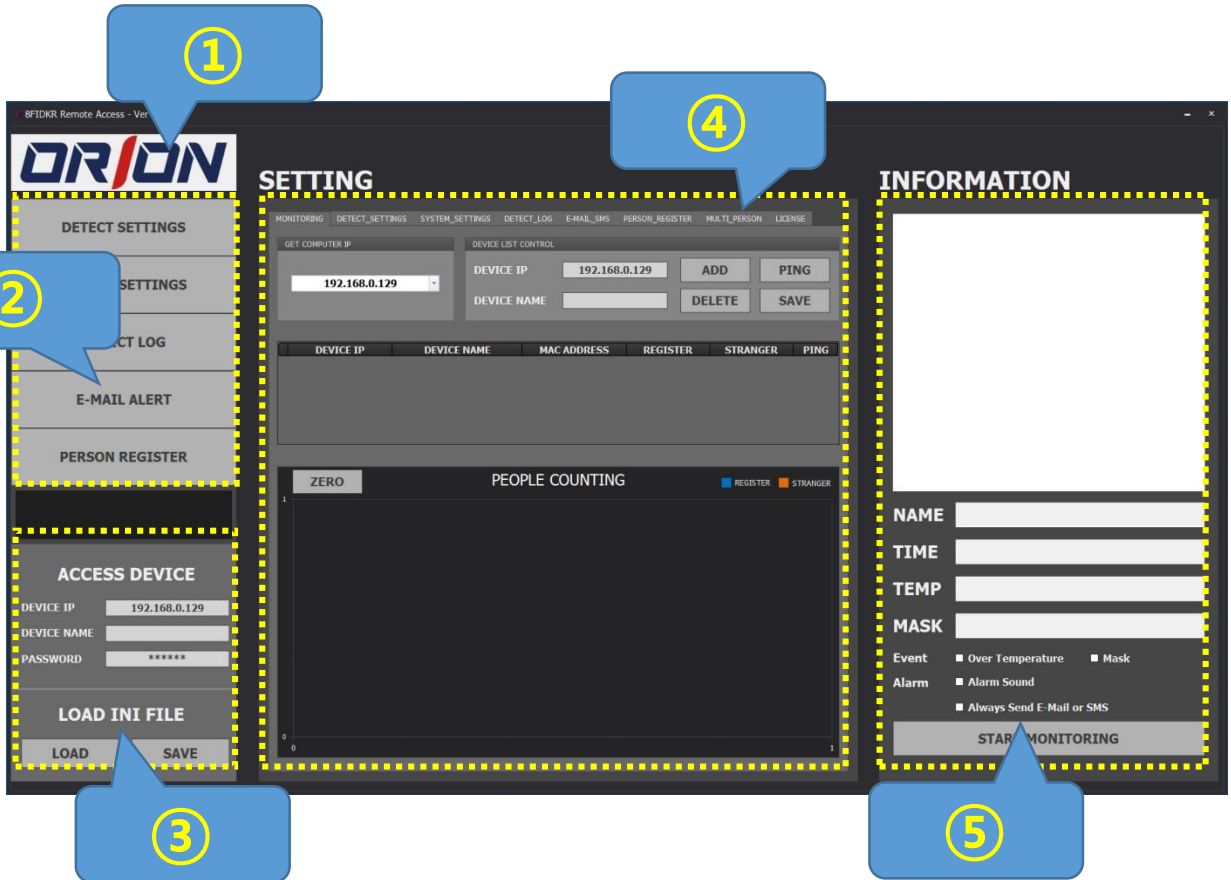


- Double Click ORION_8FIDKR_Control Icon



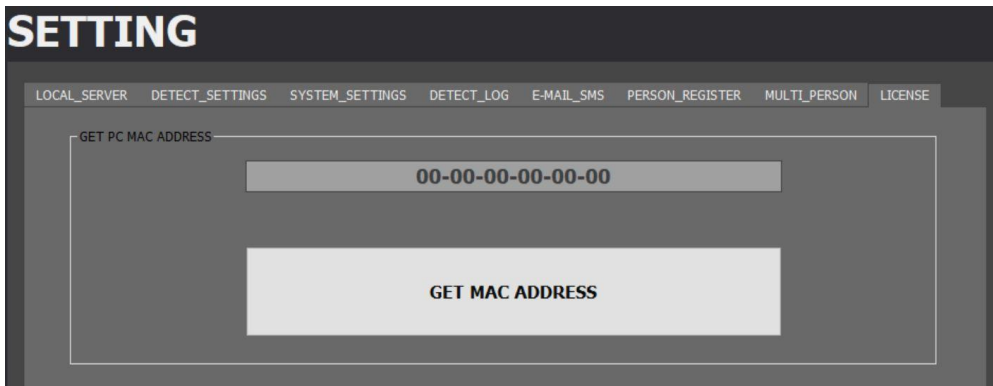
- Initial layout screen after program execution
 - When running the program, it runs in administrator mode
 - Click the accept button when displaying the content accept button at new screen

5. Program Layout



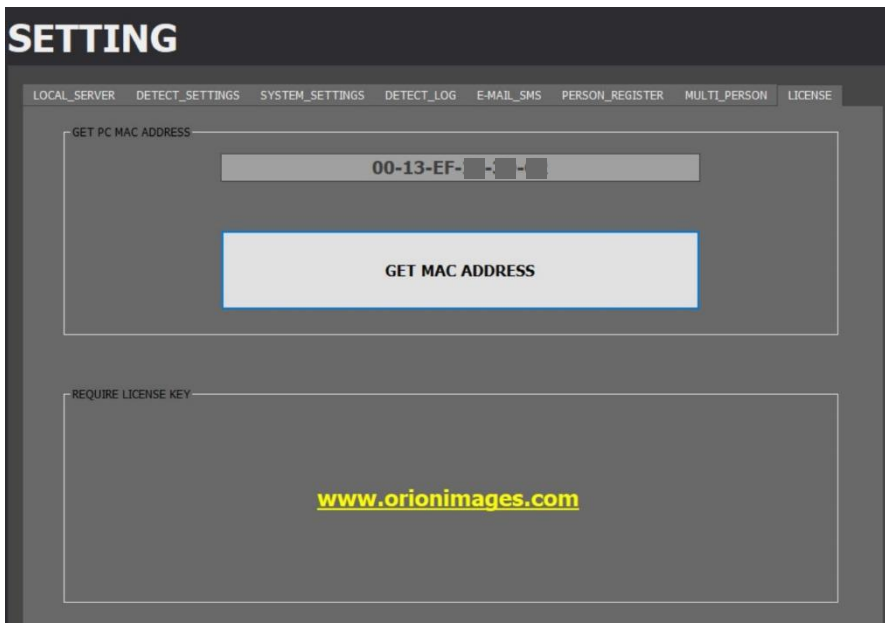
- ① **ORION Logo** Click the mouse to connect to the orionimages.com homepage
- ② **Menu** Go to the settings tab for that feature
- ③ **controller** Enter the currently IP and password controlled 8FIDKR
- ④ **Setting part** The actual value of the setting of each function
- ⑤ **Information display** Recorded information output window

6. License Key Registration



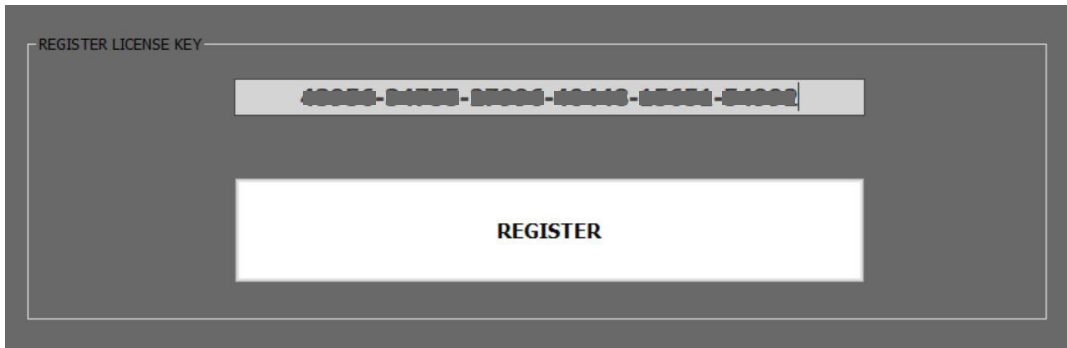
To use this program, you need to register a license key.

- ① Go to the License tab
- ② Click the Retrieve Mac Address button



- ③ Copy the MAC address and send the MAC address to the charged person at www.orionimages.com
- ④ ORION will send the license key to the requested customer
-Customers requested here are limited to customers who have purchased our products

6. License Key Registration



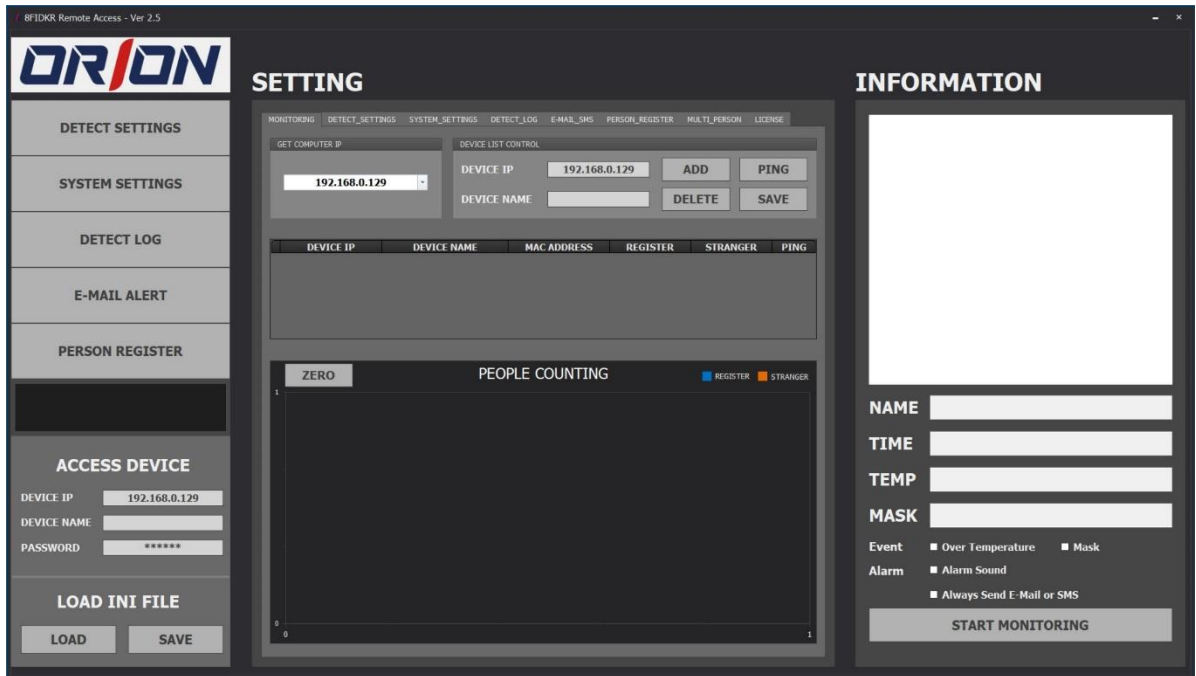
⑤ Enter the received license key as shown in the picture above and click the Register button



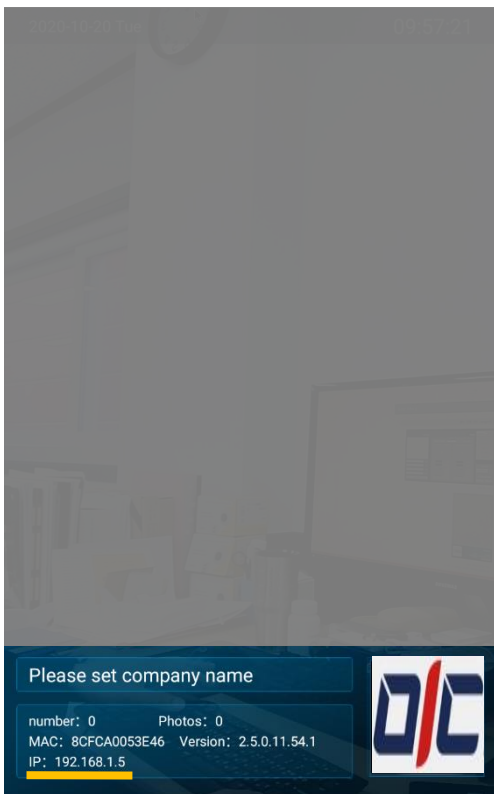
⑥ If the license key matches after clicking the button,
As shown in the picture above, it is activated in green and the functions of other buttons are activated.
-If you do not register a license key, other buttons remain inactive.

- Precautions
 - 1) When installing on a computer other than the one where the license key is registered, you must perform ① ~ ⑥ again.
 - 2) Computers that have entered the license key can be erased and reinstalled
However, the MAC address must not be changed. (When switching between Wi-Fi or RJ45)

7. Program Check List



① Program execution



② Check the IP address of the control unit (Final version of OPASS app is 2.5.0.11.54.5) In the photo above, the device's IP address is 192.168.1.5.

7. Program Check List

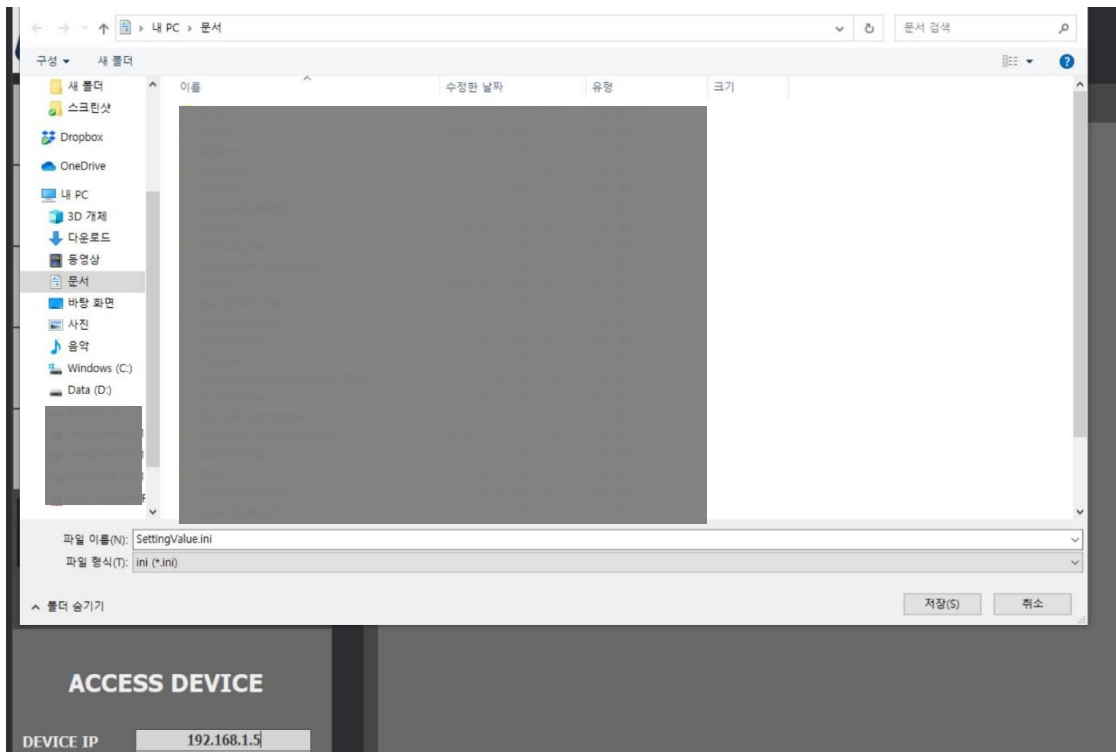
ACCESS DEVICE

DEVICE IP: 192.168.0.129

DEVICE NAME:

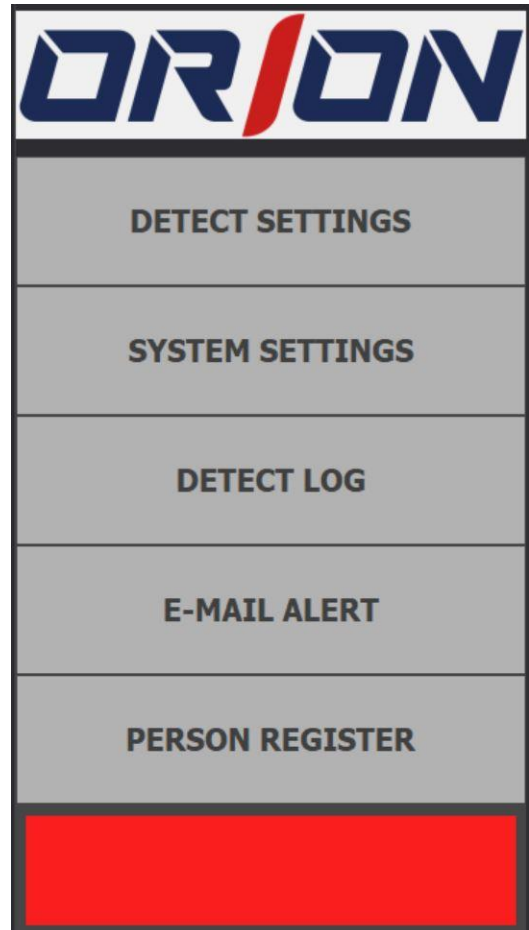
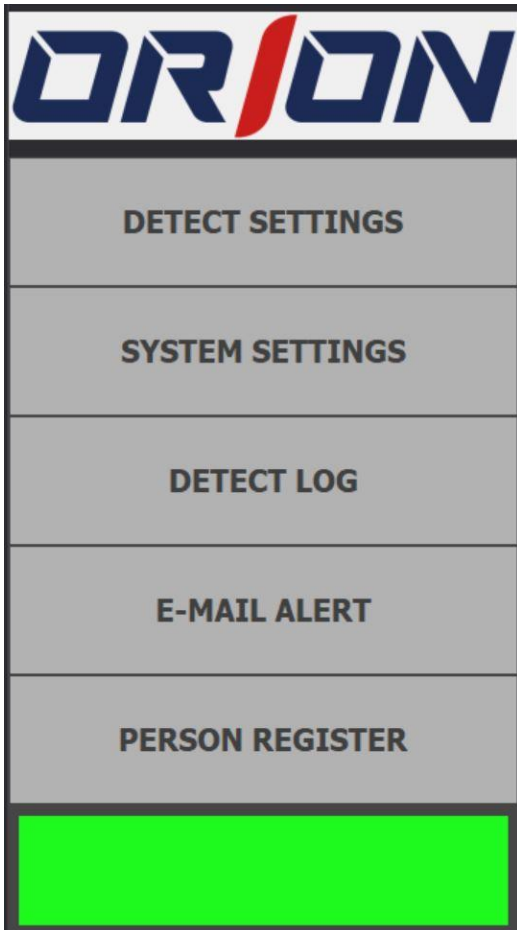
PASSWORD: *****

- ③ Enter the IP address and password of the device you want to control and click the Save button.
If the program is closed and restarted without saving, it needs to be set again.



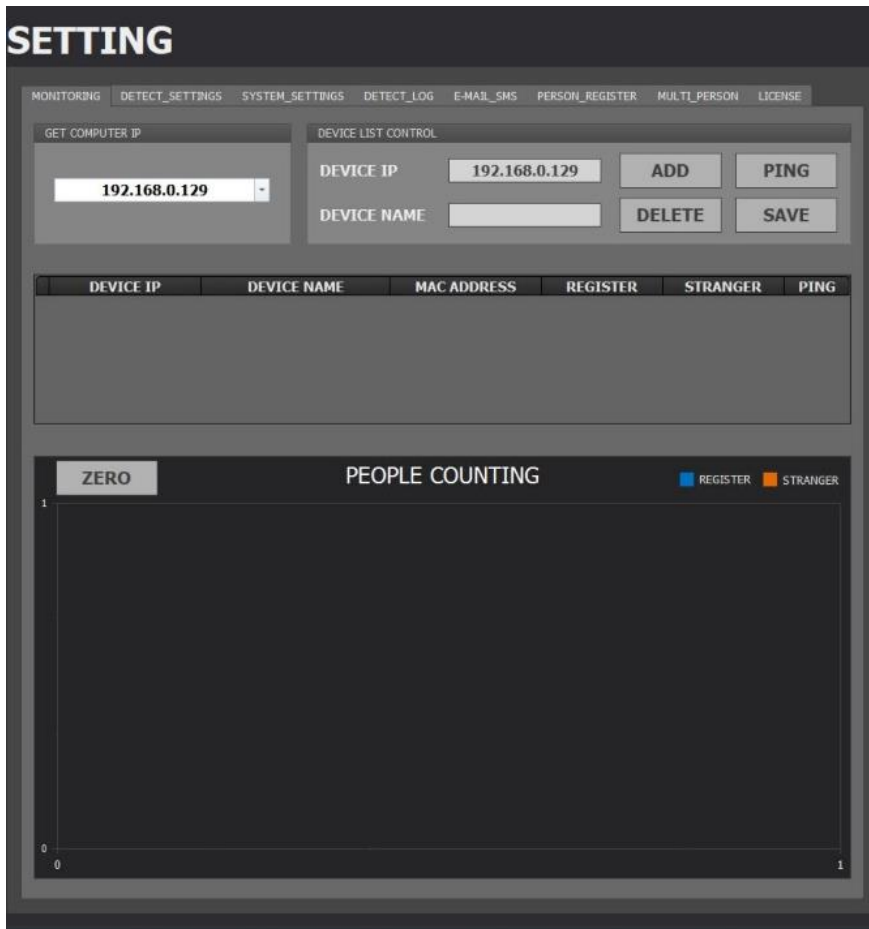
- ④ Save as *.ini file in the desired folder

7. Program Check List



- The green and red colors in the picture above are for checking whether the setting values are reflected in the device. (Feedback)
 - **Green:** : Indicates that the device responded correctly
 - **Red :** Displayed when the device does not reflect the set value
- Environment displayed in red
 - 1) If the device IP address is incorrect
 - 2) If the setting value is not correct
 - 3) When the device is powered off

8. Program function - Real-Time Monitoring



- **Computer IP:** Get the IP address of the computer where the program is installed.
- **Device IP:** Set the IP address of the 8FIDKR device.
- **Device name:** It refers to the alias of the device and is used to identify the device when an event occurs in the future.
- **ADD:** Add monitoring device (MAX 6 devices)
- **DELETE:** Delete monitoring device
- **PING:** Network status check between host and device
- **SAVE** Save people counting value (It loads automatically after restart the program)

※ This program can monitor max 6 device and computer spec needs to be better than normal spec.

8. Program function - Real-Time Monitoring

* Computer IP is loaded after the program run.

If the computer has some network adaptor card, You must select correct ip address.

DEVICE IP	DEVICE NAME	MAC ADDRESS	REGISTER	STRANGER	PING
192.168.0.154	Front door	8CFCA0053E46	0	0	4

- Write device ip address in the DEVICE IP textbox
- Write DEVICE NAME → Such as Front door
- Click ADD button
- You can see PING value and registered Front door device in the program

8. Program function - Real-Time Monitoring

The screenshot shows the ORION software interface for Real-Time Monitoring. The interface is divided into three main sections: DETECT SETTINGS, SETTING, and INFORMATION.

DETECT SETTINGS (Left Panel):

- DETECT SETTINGS
- SYSTEM SETTINGS
- DETECT LOG
- E-MAIL ALERT
- PERSON REGISTER
- ACCESS DEVICE
- LOAD INI FILE

SETTING (Middle Panel):

MONITORING | DETECT_SETTINGS | SYSTEM_SETTINGS | DETECT_LOG | E-MAIL_SMS | PERSON_REGISTER | MULT_PERSON | LICENSE

GET COMPUTER IP: 192.168.0.129

DEVICE LIST CONTROL:

DEVICE IP: 192.168.0.154 [ADD] [PING]
 DEVICE NAME: Front door [DELETE] [SAVE]

DEVICE IP	DEVICE NAME	MAC ADDRESS	REGISTER	STRANGER	PING
192.168.0.154	Front door	8CFCA0653E46	0	2	19

PEOPLE COUNTING: ZERO | REGISTER | STRANGER

Bar chart showing 2 STRANGER.

INFORMATION (Right Panel):

NAME: Stranger
 TIME: 2020-12-17 09:23
 TEMP: 98.42
 MASK: 0

Event: Over Temperature Mask
 Alarm: Alarm Sound
 Always Send E-Mail or SMS

[STOP MONITORING]

- If you want to use real time monitoring function, Please follow the step below.

- 1) Register the device in program
- 2) Stranger Record : ON
- 3) Click START MONITORING button

8. Program function - Real-Time Monitoring

INFORMATION

NAME

TIME

TEMP

MASK

Event Over Temperature Mask

Alarm Alarm Sound

Always Send E-Mail or SMS

START MONITORING

INFORMATION

NAME

TIME

TEMP

MASK

Event Over Temperature Mask

Alarm Alarm Sound

Always Send E-Mail or SMS

STOP MONITORING

* Click the "START MONITORING" button → The text changes to "STOP MONITORING"

* When testing with the device, information is displayed in real time and data is recorded at log data

※ Records are displayed in the log data in real time, but when you click the "START MONITORING" button on the Log Data tab after monitoring is finished, It is not loaded from two devices, but only from the device of the current control device IP as left image of actual device

8. Program function - Detect Settings

Body Temperature Enable :	<input type="radio"/> On	<input checked="" type="radio"/> Off	(with Device Restart)	LOAD
Body Temperature Alarm :	<input type="radio"/> On	<input checked="" type="radio"/> Off		
Temperature Mode :	<input type="radio"/> °C	<input checked="" type="radio"/> °F		UPDATE
Alarm Threshold :	<input type="text" value="37.3"/> (°C)	<input type="text" value="99.1"/> (°F)		
	(35.0 ~ 45.0)	(95.0 ~ 113.0)		
Stranger Mode :	<input checked="" type="radio"/> On	<input type="radio"/> Off		
Stranger Record :	<input type="radio"/> On	<input checked="" type="radio"/> Off		
Mask Detection :	<input type="radio"/> On	<input checked="" type="radio"/> Off		

-Temperature measurement mode: Default setting is On, and when changed to Off, the device does not measure Temp. (only the facial recognition function operates). Device reboots when setting is changed.

-Temperature measurement alarm: Default setting is On. When changed to Off, the alarm does not sound even if the measured temperature is high.

-Temperature display mode: Temperature displayed on the screen can be changed to Celsius or Fahrenheit

-Alarm temperature value: If visitor has more value of setting Temperature, it mean high temperature

-Unregistered mode: Mode for allowing general visitors not registered at the device

-Records of non-registrants: Decide whether to store visitor information on the device

-Mask inspection: Set the inspection of whether or not to wear a mask.

When the log data is loaded after setting it to Off, it is marked as "-"

- Load : Function to load the value set in the device (recalls the set information and reflects it in the information)

- update : Function to apply the value set in S/W to the device

8. Program function - Detect Settings

Company Name :	<input type="text" value="ORION"/>	<input type="button" value="LOAD"/>
Live Recognition :	<input type="radio"/> On <input checked="" type="radio"/> Off	
Wiegand Mode :	<input checked="" type="radio"/> On <input type="radio"/> Off	<input type="button" value="UPDATE"/>
Relay Output :	<input type="radio"/> Admittance <input checked="" type="radio"/> No Entry	
Relay Mode :	<input type="radio"/> Mode1 <input checked="" type="radio"/> Mode2	

- Company's name** : Company name is a function to change the company name displayed on the device
- Live recognition**: This is a function to set biometric recognition on/off, and photos are also recognized when off.
- Wiegand Mode**: It is linked to the RFID function and requires inquiries for detailed explanations.
- Relay output**: Generally, the relay operates when it is set to the entry mode, and the output mode is abnormal.
If the mask is not worn while the temperature or the presence of the mask is on, the relay operates.
- Relay mode** : Mode1 operate N.O (Normally Open) → Working as Close
Mode2 operate N.C (Normally Close) → Working as Open

8. Program function - System Settings

The screenshot displays a software interface with several settings panels:

- Windows StatusBar:** Contains two buttons, **SHOW** and **HIDE**.
- Password Change:** Includes a checkbox for **Hide PW** (checked), input fields for **OLD PW** (displayed as asterisks) and **NEW PW**, and a **CHANGE** button.
- Get Device Parameter:** Features input fields for **Free Space**, **IP Add**, **MAC Addr**, **Time**, and **Version**, with a **LOAD** button below.
- System Time Setting:** Shows input fields for **Year** (2020), **Month** (12), **Day** (17), **Hour** (08), and **Minute** (48), with an **UPDATE** button.
- Device Open Door(RELAY):** Contains a single **OPEN DOOR** button.
- Device Restart:** Contains a single **DEVICE RESTART** button.
- Volume Control - App Volume:** Includes a volume slider ranging from 0 to 100 and an **UPDATE** button.
- Device Initialization (with Device Reset):** Contains a single **DEVICE RESET** button.

- **Windows taskbar**
 - **Show** : Make the Windows taskbar visible
 - **Hide** : Hide Windows taskbar
- **Change password**
 - **Existing password:** The default password is "123456"
 - **New password:** The password you want to change to a new one
(cannot be recovered if the password is lost, only solution is reset device)

※ After changing the password, click the Save Settings button to save.

8. Program function - System Settings

The screenshot displays a software interface with several functional panels:

- Windows StatusBar:** Contains two buttons labeled "SHOW" and "HIDE".
- Password Change:** Includes a "Hide PW" checkbox (checked), input fields for "OLD PW" (containing "*****") and "NEW PW", and a "CHANGE" button.
- Get Device Parameter:** Features input fields for "Free Space", "IP Add", "MAC Addr", "Time", and "Version", along with a "LOAD" button.
- System Time Setting:** Shows input fields for "Year" (2020), "Month" (12), "Day" (17), "Hour" (08), and "Minute" (48), with an "UPDATE" button.
- Device Open Door(RELAY):** Contains a single "OPEN DOOR" button.
- Device Restart:** Contains a "DEVICE RESTART" button.
- Volume Control - App Volume:** Includes a horizontal volume slider ranging from 0 to 100 and an "UPDATE" button.
- Device Initialization (with Device Reset):** Contains a "DEVICE RESET" button.

- **Device time setting**
 - Function to set the computer time of device when the device time is incorrect
- **Load device parameters**
 - When you click the load button, the current free space, IP, Mac address, time, and App version of the device are loaded.
- * **Device relay operation**
 - Used to force device relay operation

8. Program function - System Settings

The screenshot displays a software interface with several functional panels:

- Windows StatusBar:** Contains two buttons labeled "SHOW" and "HIDE".
- Password Change:** Includes a "Hide PW" checkbox (checked), "OLD PW" field with asterisks, "NEW PW" field, and a "CHANGE" button.
- Get Device Parameter:** Features input fields for "Free Space", "IP Add", "MAC Addr", "Time", and "Version", along with a "LOAD" button.
- System Time Setting:** Shows input fields for "Year" (2020), "Month" (12), "Day" (17), "Hour" (08), and "Minute" (48), with an "UPDATE" button.
- Device Open Door(RELAY):** Contains a single "OPEN DOOR" button.
- Device Restart:** Contains a "DEVICE RESTART" button.
- Volume Control - App Volume:** Includes a horizontal volume slider (0 to 100) and an "UPDATE" button.
- Device Initialization (with Device Reset):** Contains a "DEVICE RESET" button.

- **Reboot Device**
 - 8FIDKR device forcibly rebooting
- **Device initialization**
 - It is a function to initialize all settings, and attention is needed at this time (personal registration and setting values are initialized)
 - Some functions are not initialized (log recording, etc.)

8. Program function - Log Data Verification

SETTING

LOCAL_SERVER DETECT_SETTINGS SYSTEM_SETTINGS DETECT_LOG E-MAIL_SMS PERSON_REGISTER MULTI_PERSON LICENSE

Num	Name	Image Name	Time	Temperature	Mask
54	기술연구소 - 이종현	1_0_1603256192379.png	2020-10-21 01:56	98.42	0
55	기술연구소 - 이종현	1_0_1603256565049.png	2020-10-21 02:02	98.06	0
56	기술연구소 - 이종현	1_0_1603257293416.png	2020-10-21 02:14	98.42	0
57	기술연구소 - 이종현	1_0_1603257301989.png	2020-10-21 02:15	98.24	0
58	기술연구소 - 이종현	1_0_1603257548556.png	2020-10-21 02:19	98.24	0
59	기술연구소 - 이종현	1_0_1603260737343.png	2020-10-21 03:12	97.52	0
60	기술연구소 - 이종현	1_0_1603260781479.png	2020-10-21 03:13	97.7	0
61	기술연구소 - 이종현	1_0_1603260786634.png	2020-10-21 03:13	98.06	0
62	기술연구소 - 이종현	1_0_1603260791684.png	2020-10-21 03:13	97.88	0
63	기술연구소 - 이종현	1_0_1603261174320.png	2020-10-21 03:19	97.16	0
64	기술연구소 - 이종현	1_0_1603262295276.png	2020-10-21 03:38	98.6	0
65	기술연구소 - 이종현	1_0_1603262326102.png	2020-10-21 03:38	98.42	0
66	기술연구소 - 이종현	1_0_1603262335713.png	2020-10-21 03:38	98.42	0
67	기술연구소 - 이종현	1_0_1603262346211.png	2020-10-21 03:39	98.24	0
68	기술연구소 - 이종현	1_0_1603262351957.png	2020-10-21 03:39	98.42	0
69	기술연구소 - 이종현	1_0_1603262361558.png	2020-10-21 03:39	98.24	0
70	기술연구소 - 이종현	1_0_1603262369229.png	2020-10-21 03:39	98.24	0
71	기술연구소 - 이종현	1_0_1603262377707.png	2020-10-21 03:39	98.24	0

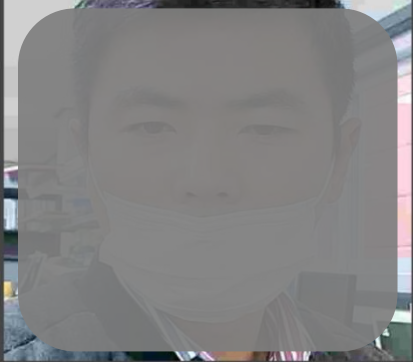
Temperature : °C °F Photo 0%

Start Time :

End Time :

Event : Over Temperature Mask

INFORMATION



NAME 기술연구소 - 이종현

TIME 2020-10-21 03:39

TEMP 98.24

MASK 0

• Log checking

You can read the information stored in the device (personal information, detection time, temperature, whether a mask wearing) and you can check it as Data Grid format.

- **Temperature display** : Set the temperature information display to Celsius or Fahrenheit (only applicable in DataGrid format)
- **Load start & end time** : When you click Load, select the time point to read the information stored in the device.
- **Event** : Event monitoring in case of high temperature and no wearing of a mask (required for monitoring items)
- **Load** : Function to recall recorded information (up to 2,000 at a time)
If it exceeds 2,000, the interval between start and end time must be adjusted
- **Email sending** : Sends the information (information display) by e-mail when the e-mail transmission setting is activated.
- **Save as excel file** : It is a function to save the data displayed in the DataGrid as an Excel file.
Selectable (may not be possible if network conditions are unstable)
※ Microsoft Office Excel program must be installed to operate

8. Program function – E-Mail alert (notification function)

The screenshot shows the 'SETTING' menu with the 'E-MAIL_SMS' option selected. The 'E-Mail' configuration screen includes the following fields and options:

- SMTP HOST :** [Redacted]
- From Address :** [Redacted]
- Password :** [Redacted]
- Include Picture :** ENABLE DISABLE (Only One Person)
- To Address :** [Redacted]
- Subject :** TEST
- Contents :** [Redacted]
- SEND E-MAIL** button

- **Email sending**

Set up to be able to send the information stored in the device to the designated e-mail address (SAVE required)

- **SMTP HOST :** Abbreviation for Simple Mail Transfer Protocol.
Enter the address of the server to send mail.
- **Sender :** Sender's email address
- **Password :** Sender's mail password
- **Pictures included :** Decide whether to include photos when sending mail
- **Recipient :** Recipient's email address (only one email account is allowed)
- **Title :** Subject when sending mail
- **Contents :** mail content

※ In the case of the email notification function, a photo may be included, and The user is responsible for the use of this function.

8. Program function – E-Mail alert (notification function)

LIST	Result
DEVICE NAME	연구소_장치1
EVENT	Mask Status
NAME	기술연구소 - 이종현
TIME	2020-10-20 05:16
TEMPERATURE	36.7 ℃
MASK	X
PICTURE	

<In the case of receiving an e-mail with a photo>

LIST	Result
DEVICE NAME	연구소_장치1
EVENT	Mask Status
NAME	기술연구소 - 이종현
TIME	2020-10-20 05:18
TEMPERATURE	36.8 ℃
MASK	X

<In the case of receiving an email without a photo>

8. Program function - SMS alert

Twilio SMS

AccountSid :

AuthToken :

From :

To :

HELP

SEND SMS

(Only use USA)

- **SMS alert**

For text service, after signing up for Twilio (<https://www.twilio.com/>)

Enter the information in the corresponding section at the above picture..

For more inquiries, please contact www.orionimage.com.

※ It is available only when the SEND SMS button is activated.

8. Program function - Member registration

LOCAL_SERVER DETECT_SETTINGS SYSTEM_SETTINGS DETECT_LOG E-MAIL_SMS PERSON_REGISTER MULTI_PERSON LICENSE

No webcam found. Check the webcam connection or the device settings.

Take Picture Image Load

ID :

NAME :

PASS PERIOD

Start Time :

End Time :

REGISTER

DELETE

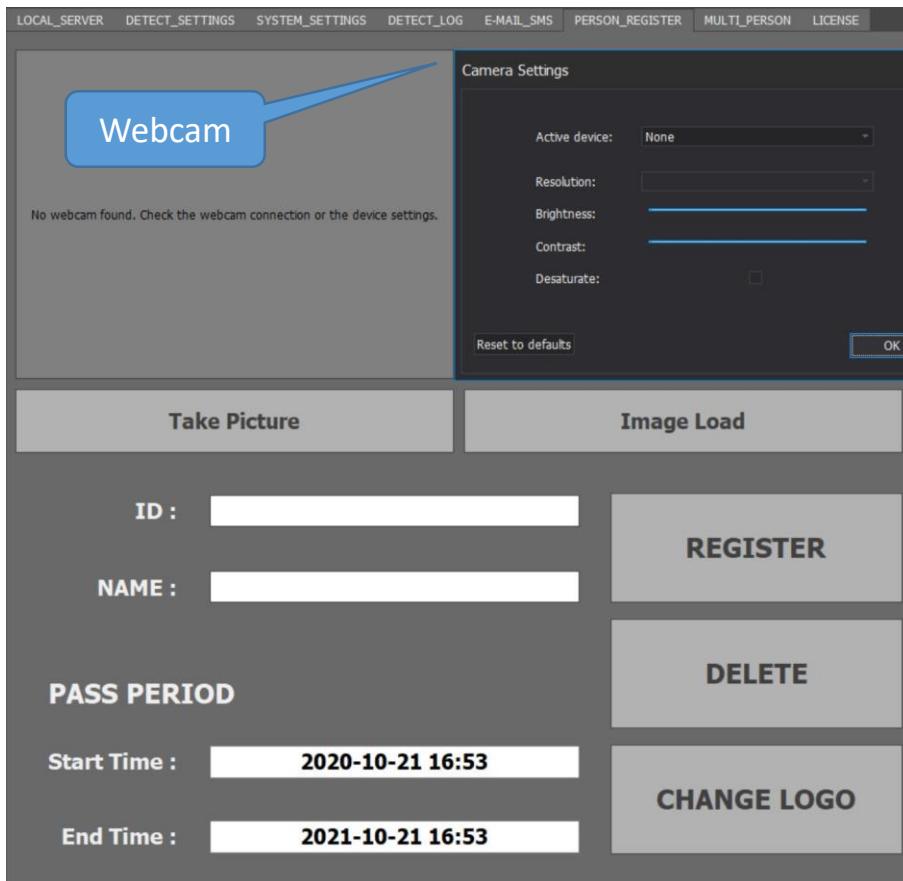
CHANGE LOGO

- **Member registration**

You can register as a member from the device, but you can also register with this program. However, as an option, you need a webcam or a PNG file when you register.

- **Take Photo :** Take a picture of a person you wish to register with Webcam
- **Import image :** Import the portrait picture you want to register
(only png files are allowed, dogs or objects cannot be registered)
- **ID :** Grant registration number (00001 ~ 30000)
- **Name :** Name of registered person
- **Allowed period :** Activation period of registered person
(Activation of Entrance allowed only from start time to end time)

8. Program function - Member registration



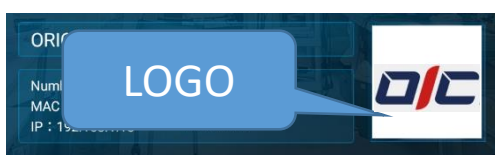
- **Select Webcam**

- ① Click on the gear at setting mode in the picture above
- ② Select Webcam to use in Active Device

- **Register button:** Register the member after taking a picture or importing an image file

- **Delete button:** Delete registered person

- **Logo change:** Device logo change function (PNG file only)
Click the image load button → logo file (PNG) → Click change logo button



8. Program function – Multi Member registration



- **Member registration**

- **File Open:** A function to open the provided PersonDataBase.xlsx Excel file
- **Update:** Update the person information in the Excel file on the device
- **Interruption:** Interrupt update

※ When updating, the function may not work depending on the network environment.

8. Program function – Multi Member registration

ID_Num	Name	START TIME	END TIME	PICTURE	RFID C/N	RESULT
*						

- **Delate Member registration**

- **Delete:** Delete the person registered in the device

- If 1~5 is specified, ID_Num 1~5 is deleted, and for 6~6, ID number 6 is deleted.

- **Import registered members**

- Load the member information registered in the device

※ When updating, the function may not work depending on the network environment.

8. Program function – Multi Member registration

ID Number	Name	Start Time	End Time	Picture	ID Card Num
1	기술연구소 - 이종현	2020-07-09 15:00	2022-07-09 15:00	1.png	1111111111
2	홍길동	2020-07-09 15:00	2022-07-09 15:00	2.png	1111111111
3	정석	2020-07-09 15:00	2022-07-09 15:00	3.png	1111111111
4	가나다	2020-07-09 15:00	2022-07-09 15:00	4.png	1111111111
5	라마바	2020-07-09 15:00	2022-07-09 15:00	5.png	1111111111

- **Information of PersonDataBase.xlsx**

- ID Number : ID(Number) of registered member
- Name : Name of registered personnel
- Start Time : Allowable entrance start time
- End Time : Allowable entrance End time
- Picture : Must match photo file name
- ID Card Num : Related to RFID , Use only 1111111111 unless there is any specific matter.

- **Photo standard to register**

- Gaze straight like a passport photo
- Face occupies more than 2/3 of the full screen ratio
- The ears must be visible as possible
- Do not tilt your head diagonally
- The extension of the photo file must be PNG
- File size is between 200KB and 500KB