TIM SERIES

7" TEMPERATURE MEASUREMENT &
FACE RECOGNITION MONITOR

VZ-7TIM-S USER MANUAL

Temp. 98.06°F   Normal

Checked
05/23/2020 15:25   IP:192.168.0.241
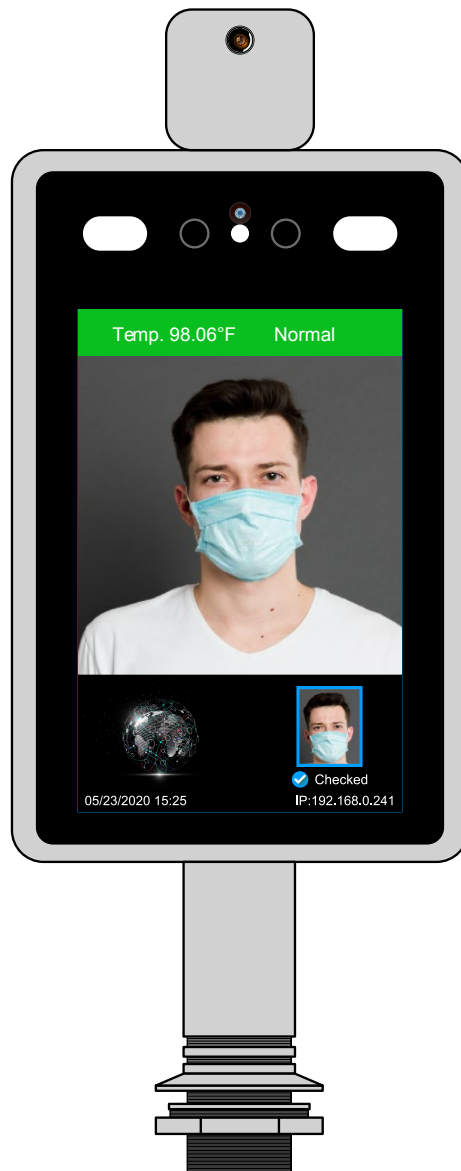
ViewZ®
www.viewzusa.com

Please read this manual thoroughly before use, and keep it handy for future reference.

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CONTENTS

SAFETY INSTRUCTION

Important Safety Instruction

1. Read all warnings.
2. Follow all instructions to ensure longevity of monitor.
3. Do not place the monitor near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers,stoves, or other heat generating devices.
7. Do not override the safety purpose of the polarized or grounding-type plug.
8. A polarized plug has two blades with one wider than the other.
9. A grounding type plug has two blades and a third grounding prong.
10. The wide blade and the third prong are provided for your safety.
11. If the provided plug does not fit into your outlet, consult with an electrician for replacement of the outlet.
12. Protect the power cord from being walked on or pinched particularly the plugs, convenience receptacles and the point where it connects to the monitor.
13. Only use attachment/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the monitor. When a cart is used, use caution when moving the cart & monitor in combination to avoid injuries.
15. Unplug the monitor during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the monitor has been damaged in any way.

The monitor shall not be exposed to dripping or splashing and objects containing liquids, such as vases shall not be placed near the monitor.

The monitor should have ample distance (e.g. 10cm) from the wall for sufficient ventilation.

SAFETY INSTRUCTION

Important Safety Instruction

Mark Indication and Substance

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT REMOVE COVER (OR BACK). NO USER
SERVICEABLE PARTS INSIDE. REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated & dangerous voltage within the monitor's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the monitor.

⚠ Warning

- Do not use damaged or loose cables and plug.
- Do not pull the plug out by the wire nor touch the plug with wet hands.
- Use only a properly grounded plug and receptacle.
- Do not connect too many extension cords or plugs to one outlet.
- Do not excessively bend the plug and wire.
- Do not disconnect the power cord while it's still plugged into the monitor.
- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.
- Never open the monitor. There are no user-serviceable parts inside and opening will void warranty.
- Removing covers may expose you to dangerous shock hazards or other risks.
- Keep any heating devices away from the power cable and monitor.
- Do not place the monitor near water.
- Do not insert objects of any kind into the monitor's open slots, as they may touch dangerous voltage points.
- Please follow the laws and regulations of your municipality to dispose the monitor properly.
- Do not use the monitor in high temperature, humid, dusty or oily areas.
- Do not install the monitor where it will be exposed to continual vibration.
- Keep the plastic packaging out of children's reach.
- If any damage is detected upon first opening the box, contact agency from which you bought the monitor directly.
- If your monitor does not operate normally – in particular, if there is any unusual sound or smell coming from the monitor – unplug it immediately and contact an authorized dealer or the service center.

SAFETY INSTRUCTION

Important Safety Instruction

⚠ Caution

- If the connector between the plug and the pin is dusty or dirty, clean it properly using a dry cloth.
- Make sure to unplug the power cord before cleaning the monitor.
- Make sure to leave a gap between monitor and wall.
- Do not drop the monitor when moving it.
- Place your monitor in a location with low humidity and minimum dust.
- Install the monitor base on a showcase or shelf so that the end of the base does not protrude from the showcase or shelf.
- Do not place the monitor on an unstable or small surface area.
- Do not install inside a vehicle.
- Disconnect the plug from the outlet during storms or lightning or if it has not been used for a long time.
- Do not try to move the monitor by pulling on the power cord.
- Do not cover the vents on the monitor.
- When moving the monitor, turn off and unplug the power cord. Make sure that all cables, including HDMI cable and cables connected to other devices, are disconnected before moving it.
- Place the monitor out of children's reach, as they could damage it by hanging onto it.

💧 Available Temperature & Humidity

- Operating Temperature : 32°F ∼ 122°F / 0°C ∼ 50°C
- Operating Humidity : 5 ~ 90% RH

Dot Defect (dead pixel) of TFT

ViewZ monitors are manufactured using high-end semiconductor technology with precision ratings of 99.9% and above. However, it may be the case that certain RGB and white pixels seem darker (or entirely unlit i.e. black).

Modern production methods cannot guarantee an absolute fault-free monitor. To this effect, no LED manufacturer can guarantee a defect free panel. A few isolated pixel or sub-pixel faults are considered tolerable and different policies exist that govern the amount of these tolerable values.

While most pixel faults occur in isolated regions, a cluster of dead pixels or sub-pixels can sometimes form for which a separate ruling applies. A cluster is defined as an area of 5x5 pixels. ViewZ's policy on pixel failure: either as an isolated fault or in the form of a cluster is outlined on the website: www.viewzusa.com

FCC RF INTERFERENCE STATEMENT

Note

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

► DOC COMPLIANCE NOTICE
This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.
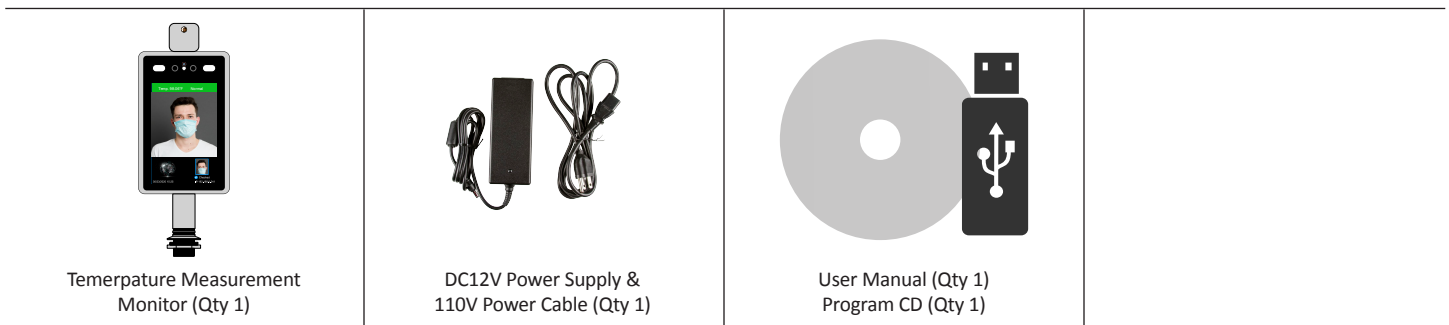
INSTALLATION

Installation Tools

The following tools may be required depending on your installation.

Electronic Stud Finder	Pencil	Protective Eye-wear	Level	Phillips Screwdriver
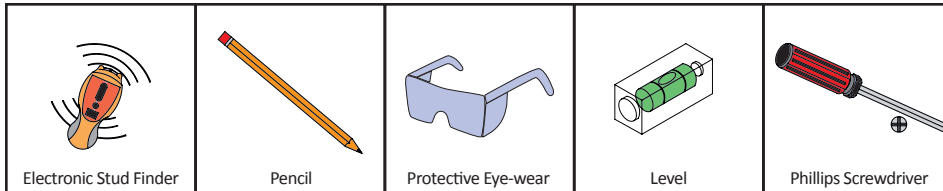
Assembly Components - provided

Your ViewZ monitor is shipped with all proper installation hardware and components. If there are parts missing and/or damaged, please stop the installation and contact ViewZ USA at (888)-998-4399.

Temerpature Measurement Monitor (Qty 1)	DC12V Power Supply & 110V Power Cable (Qty 1)	User Manual (Qty 1) Program CD (Qty 1)	

Mounting Option

Your ViewZ monitor is compatible with ViewZ monitor mounts. For more information, please contact ViewZ USA at (888)-998-4399.

Mount

- Part # **VZ-7TIM-FS**   Free Stand Mount

- Dimension : 3.93 x 41.14 x 2.55 " (Pole)

   Ø 11.10 x 2.16 " (Base)

- Weight : 10.9 lbs

- Part # **VZ-7TIM-DS**   Desktop Mount

- Dimension : 10.23 x 10.x23 x 1.77"

   26 x 26 x 4.5 cm

- Net Weight : 4.4 lbs

⚠️ Warning

If VZ-7TIM-S is installed indoors, we recommend VZ-7TIM-S should have over 6 feets distance from the light source and over 10 feets from any window.

CONNECT EXTERNAL EQUIPMENTS

Interface Input Ports

The following image describes the interface input ports
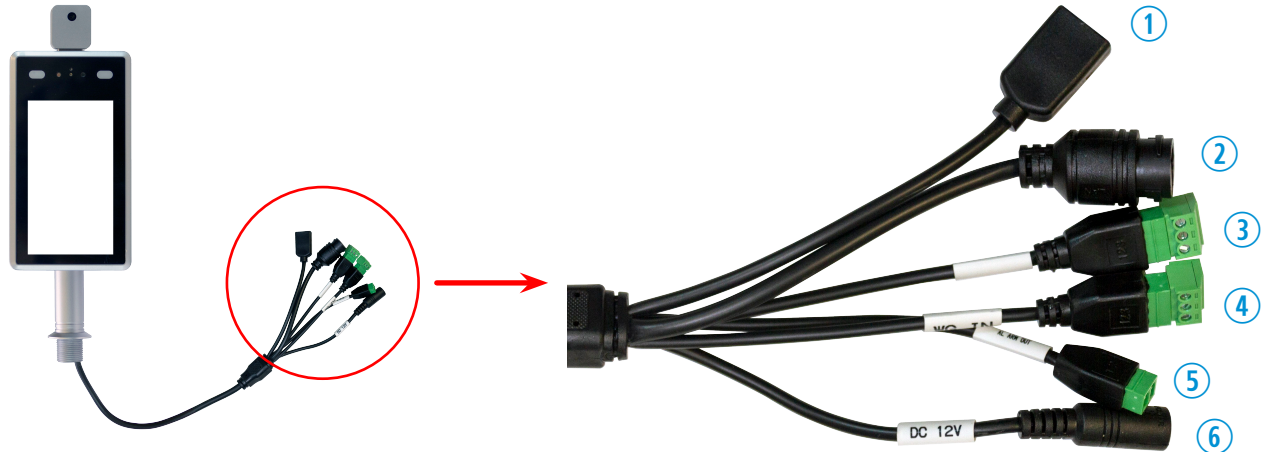
1. USB - IC Card Reader (IC Identifier)
2. RJ45 - 10/100M (IPC OUT)
3. WG OUT - 1:D0 2:D1 3:GND
4. WG IN - N/A
5. Alarm OUT - Relay Switch
6. DC 12V- Power IN 12V/3A

Face Recognition & Temperature Measurement Display

Real-time temperature display

Detecting Area

Face recognition comparison results

SYSTEM PARAMETERS

Log-In

After you connect all cables and have secure Internet or Intranet connection, please access the VZ-7TIM-S monitor via web browser. You can use IE,Chrome or Edge.

- The default IP address : 192.168.0.120 | Gateway address : 192.168.0.1 | Subnet Mask : 255.255.255.0
- The default ID & password : admin / admin

① Type the IP Address on the address bar

② Type the User Name & Password
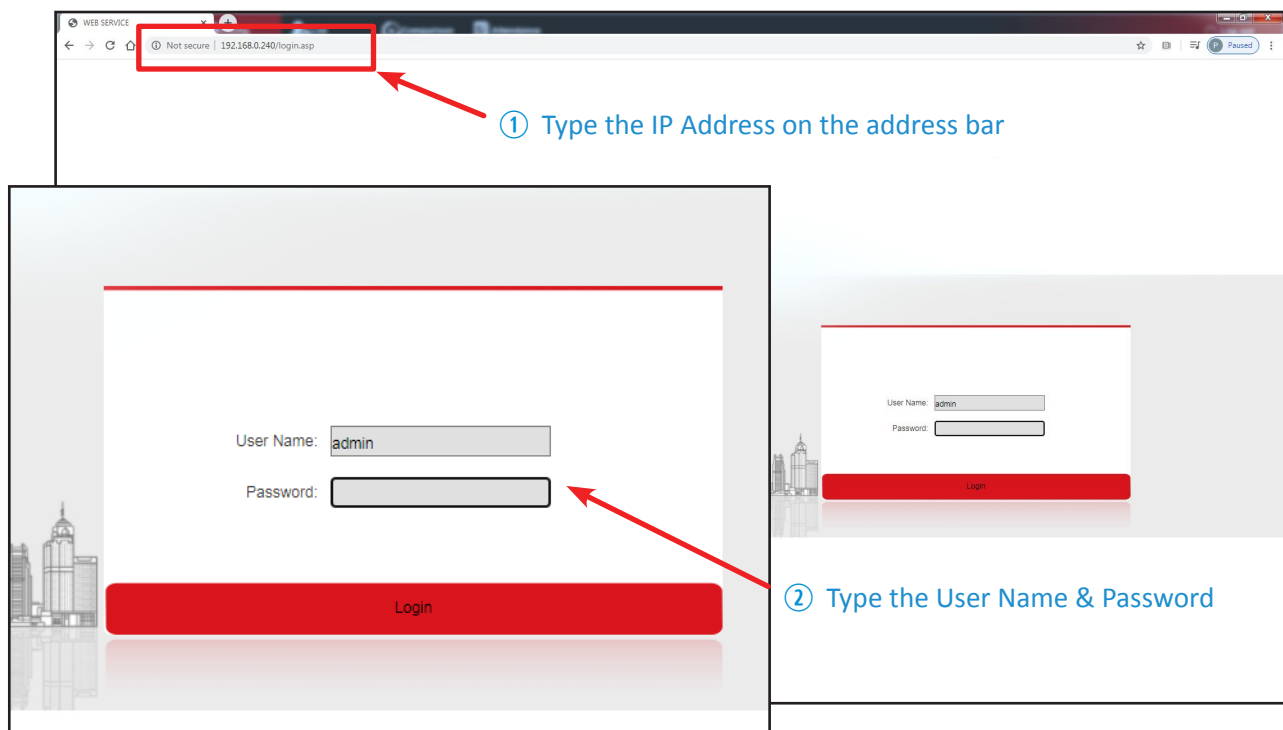
⚠ Warning

If you don't have secure Internet or Intranet connection, you cannot login to the system.

If you want to connect to the monitor without network, for instance, via P-to-P connection, you just need to connect the ethernet cable between VZ-7TIM-S and computer. And follow the instructions step as step as delineated below:

- On Window OS, Open Control Panel / Network and Sharing Center / Change Adapter Settings / Local Area Connection (which connect VZ-7TIM-S) / Local Area Connection Properties / Internet Protocol Version 4 (TCP/IPv4) Properties
- Selects 'Use the following IP address' on the window of Internet Protocol Version 4 (TCP/IPv4) Properties
- Type the proper info - IP address 192.168.0.XX, Subnet mask 255.255.255.0, Default gateway 192.168.0.1
  If you want to use your own IP address, please change the VZ-7TIM-S info and use it.

SYSTEM PARAMETERS

System Info

When you login to the system, you will see the main interface with system parameters.
You can also change the display language, video format and device name.

	FUNCTION	VALUE
LANGUAGE	Sets the language of the menu	English, Spanish, French Russian, Portuguese, Italian German, Turkish, Japanese **Default** - English
VO STANDARD	Selects the video output	NTSC / PAL | **Default** - NTSC
DEVICE NAME	Changes the device name	

SYSTEM PARAMETERS

User Management

Change the account password. The system provides 3 accounts - Administrator, USER 1 & USER 2.

	FUNCTION	VALUE
VALIDATE MODE [1]	The accessible method of software	
SELECT USER [1]	Selects the user to change the password	Administrator, User 1, User 2
USER NAME [2]	Displays the selected user name	
PASSWORD [3]	Types the password to update existing one	
CONFIRM PASSWORD	Types the same password to confirm it	

1) This mode and user account is fixed value.
2) You cannot create a new user - it is a factory default account.
3) Password may consist of 8-15 digits, including but not limited to a-z, A-Z, 0-9, underscores and dot.

SYSTEM PARAMETERS

System Time

Setup the system time of VZ-7TIM-S monitor.

① Select the GMT zone based on your location
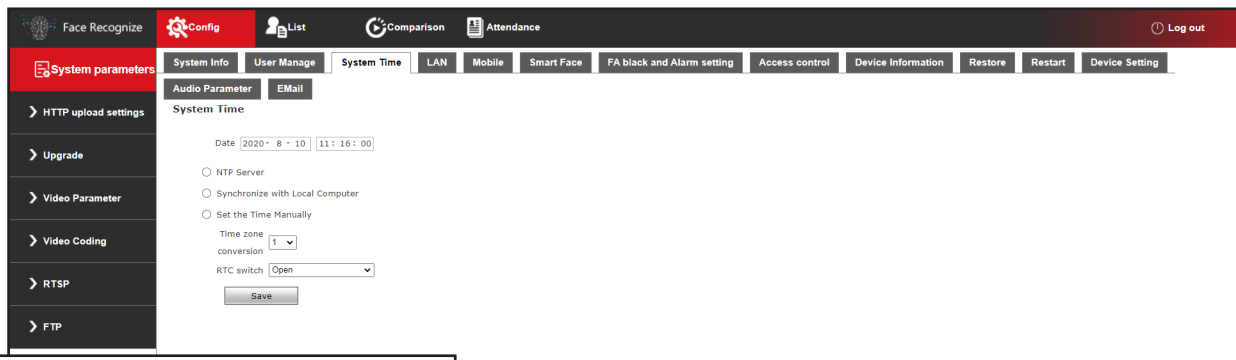
FUNCTION		VALUE
Date	Displays the current time of VZ-7TIM-S	**Default** - Set the Time Manually
NTP Server	Synchronizes the VZ-7TIM-S time with NTP server	GMT time zone
SYNC. LOCAL COMPUTER	Synchronizes the VZ-7TIM-S time with local computer	
SET THE TIME MANUALLY	Type the time manually	
TIME ZONE CONV.	Selects the time zone	Time zone : 1, 2 | **Default** - 1
RTC SWITCH	Turn on and off the real time switch (RTC)	Open, Close | **Default** - Open

SYSTEM PARAMETERS

LAN Setting

Setup the IP address of VZ-7TIM-S to control.

	FUNCTION	VALUE
DHCP ENABLE	Turn on or off the DHCP. If you check on, VZ-7TIM-S monitor will have an auto-assigned IP address	ON, OFF | **Default** - OFF
IP	Type the IP address	xxx.xxx.xx.xxx| **Default** - 192.168.0.120
SUBNET MASK	Type the subnet mask address	xxx.xxx.xx.xxx | **Default** - 255.255.255.0
GATEWAY	Type the Gateway IP address	xxx.xxx.xx.xxx
Preferred DNS	Type the 1st DNS address	xxx.xxx.xx.xxx
Alternate DNS	Type the 2nd DNS address	xxx.xxx.xx.xxx | **Default** - 8.8.8.8
MAC	The given device ID of VZ-7TIM-S	Provided (Non editable)

⚠️ Warning

If you already have a device which is assigned the IP address '192.168.0.120', you might not be able to access this SW dashboard. To prevent that situation, please change the IP address of existing device or VZ-7TIM-S monitor.

Visit the ViewZ USA website at https://www.viewzusa.com

SYSTEM PARAMETERS

Mobile

This interface is made to support the access control attendants.
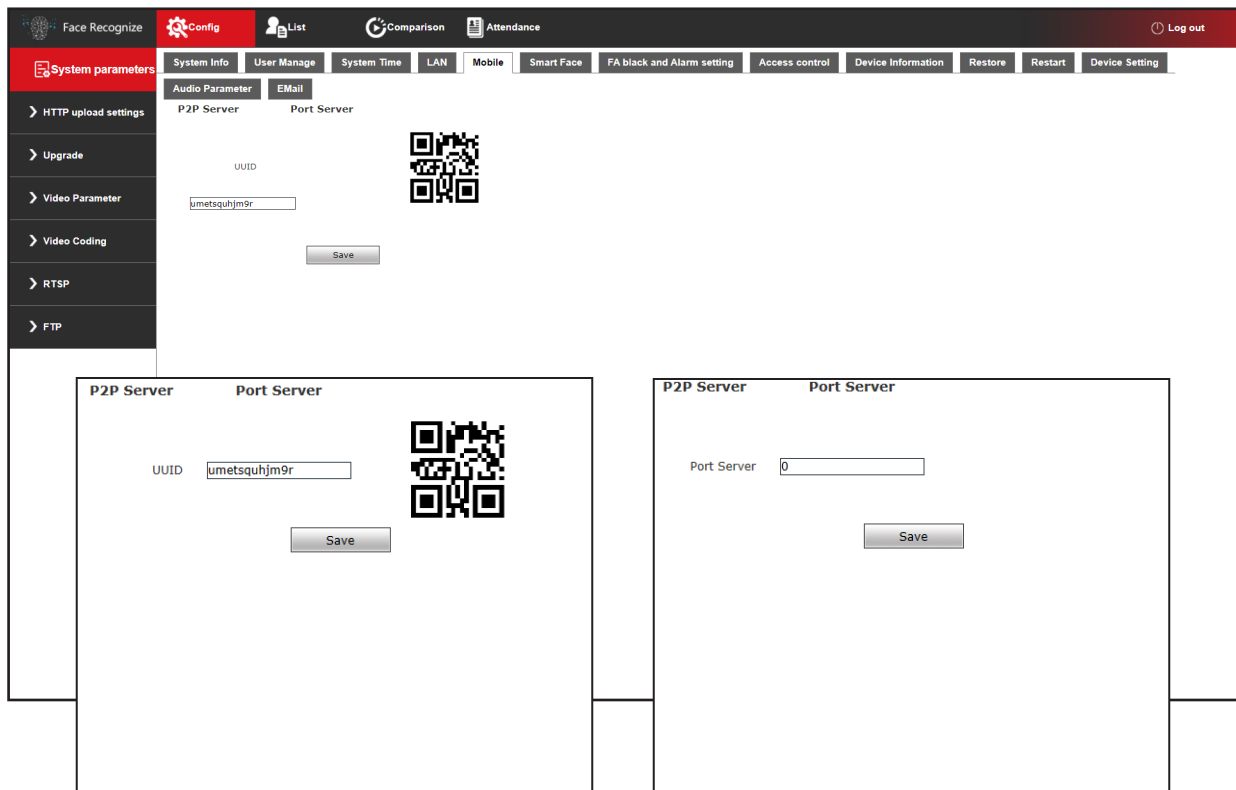
	FUNCTION	VALUE
P2P SERVER	QR code for mobile APP.	N/A
PORT SERVER		N/A

This function is not available.

SYSTEM PARAMETERS

Smart Face

Setup the face recognition of VZ-7TIM-S monitor.

	FUNCTION	VALUE
ENABLE	Turns on the face recognition algroithm	ON, OFF | **Default** - ON
TIME 1 & 2	Sets the deployment times of face recognition	00:00 ~ 23:59 | **Default** - 00:00 ~ 23:59
SENSITIVITY 1)	Selects the sensitivity of face recognition	0 ~ 10 | **Default** - 9
SNAPSHOT MODE 2)	Cooperates with Capture times and Interval between snap	Single Mode
CAPTURE TIMES	Sets the number of capture	Keep tapping, 1 ~ 20 | **Default** - 8
EVERY NTH FRAME	Sets the captured frame number per 'N'TH frame	1 ~ 1500 | **Default** - 5
FACE RECOGNITION MAX 3)	Sets the maximum pixel of face recognition	300 ~ 500 | **Default** - 500
FACE CHECK MIN. PIXEL	Sets the minimum pixel of face temperature detect measurement.	0 ~ 500 | **Default** - 100
FACE RECOGNITION MIN 3)	Sets the minimum pixel of face recognition	30 ~ 300 | **Default** - 70

1) The higher sensitivity value means the captured image quality is low. The lower sensitivity value means the captured image quality is high. The best effect of sensitivity is normally 3-5.
2) When many people pass the VZ-7TIM-S monitor, the monitor will only scan the 1st person. So, if you want to scan more people, please adjust these values.
3) If you set the MIN-face snapshot pixel less than 100 pixel means, the monitor will not capture the face when the displayed face size is smaller than 100 pixel size (far away status). If you set the MAX-face snapshot pixel higher than 400, the monitor will not capture the face when the displayed face size bigger than 400 pixel size (too close to the monitor).

SYSTEM PARAMETERS

Smart Face (Continued)

	FUNCTION	VALUE
FACE SCENE	Selects the proper circumstance of monitor The conventional scene is for using the product outdoors. The lobby scene is for using the product indoors.	Conventional, Lobby | **Default** - Lobby Scene
FACE TRACK	Turns on/off the face tracking mark (box shape) on the screen	Filter Tracking, Close | **Default** - Filter Tracking
FTP UPLOAD	Turns on/off to upload the screenshot to the FTP server	NO(On), NC(Off) | **Default** - NO
IMAGE TYPE	Selects what kind of captured image will be created	Fac, FACE & Original | **Default** - Face
FACE QUALITY	Selects the image quality captured by the camera (to upload)	1 ~ 99 | **Default** - 99
HUMAN	Selects the VZ-7TIM-S will only capture the people or not	OPEN, CLOSE | **Default** - OPEN
LIVE DETECTION	Sets the live detection mode	Filter Tracking, Close | **Default** - Filter Tracking
FUNCTION FIRST	Sets the priority of capture mode	Speed, Living | **Default** - Speed

SYSTEM PARAMETERS

FA Black & Alarm Setting

Setup the alarm setting of VZ-7TIM-S monitor.

	FUNCTION	VALUE
ALARM SWITCH	Turns on the alarm	ON, OFF | **Default** - ON
BLACKLIST ALARM	Turns on the alarm of the black listed person	ON, OFF | **Default** - OFF
WHITELIST ALARM	Turns on the alarm of the registered person	ON, OFF | **Default** - ON
VIP LIST	Turns on the alarm of the VIP listed person	ON, OFF | **Default** - ON
NON-WHITELIST ALARM	Turns on the alarm of the unregistered person	ON, OFF | **Default** - OFF
IO OUTPUT	Sets the IO output mode	Continuous, Pulse | **Default** - ON
ALARM OUTPUT	Sets the alarm output time	1 ~ 60 seconds | **Default** - 1
IO OUTPUT TYPE	Sets the IO output type - NO means 'Normal Open'	NO (On), NC (Off) | **Default** - NO
RECOGNIZE MODE	Sets the number of recognition per a person	Numbers Recognized Mode (1-10), Always Identify, Single Recognize | **Default** - Single Recognize
COMPARISON SIMILARITY	Sets the level of recognition by detecting face	1 ~ 100 | **Default** - 75
ID SIMILARITY	Sets the level of recognition by detecting ID	1 ~ 100 | **Default** - 60

SYSTEM PARAMETERS

FA Black & Alarm Setting (Continued)

	FUNCTION	VALUE
MATCHING MODE	Selects the detection mode	Face, Temperature, Face + Temperature | **Default** - Face detect
MASK DETECT	Turns on/off the mask wearing detection	OPEN(On), CLOSE(Off) | **Default** - CLOSE
TEMP. CORRECTION [1]	Selects the temperature calculation algorithm	Intelligent, Low Temperature | **Default** - Intelligent
COMPENSATED TEMP.[2]	Sets the basic temperature based on circumstances	1 ~ 212°F (1 ~ 100°C) | **Default** - 32°F
ABNORMAL TEMP. OPEN THE DOOR	Sets the alarm when detecting a person who has abnormal (high or low) temperature	OPEN(On), CLOSE(Off) | **Default** - CLOSE
TEMP. THRESHOLD [3]	Sets the maximum temperature of alarming	1 ~ 212°F (1 ~ 100°C) | **Default** - 99°F
TEMPERATURE UNIT	Sets the temperature type	Fahrenheit, Celsius | **Default** - Fahrenheit
TIME 1 & TIMR 2	Sets the time which do not detect the temperature	Input the time | **Default** - 24 hrs

1) When you choose 'High Temperature Algorithm,' you can have the extra time set of alarm.
2) If the install location has the high temperature, you need to add values. If the install location hsa the low temperature, you need to minus values.
3) Based on the CDC guideline, Any temperature 100.4 °F or greater is considered a fever.
   https://www.cdc.gov/coronavirus/2019-ncov/community/homeless-shelters/screening-clients-respiratory-infection-symptoms.html

SYSTEM PARAMETERS

Access Control

You can control the display info, scan record, wiegand output format, front 2 white-lights on/off, screen display on/off and temperature measurement mode.

	FUNCTION	VALUE
WIEGAND OUTPUT	Selects the wiegand output	CLOSE, WG26, WG34 | **Default** - CLOSE
WHITE LIGHT CONTROL [1]	Selects the 2 front white lights on & off	Always on, Always off, Time control, Turn off screen display after no one **Default** - Turn off the light after no one
SCREEN DISPLAY MODE	Selects the screen is always on & off	Always display, Turn off screen display after no one **Default** - Turn off the light after no one
FAN FILTERING	Selects the face recognition skip time when showing same face	1 ~ 10 seconds | **Default** - 3

1) When you select 'White light time control,' you can type the time to turn on & off by military time - 00:00:00 ~ 23:59:59.

SYSTEM PARAMETERS

Access Control (Continued)

	FUNCTION	VALUE
TEMPERATURE MEASUREMENT MODE	Selects the temperature measurement mode	Precision, Quick mode | **Default** - Precision mode
DATE FORMAT	Selects the displaying date format on screen	YYYY-MM-DD, MM-DD-YYYY, DD-MM-YYYY | **Default** - YYYY-MM-DD
COMPARISON RECORD STORAGE	Selects the captured data will be saved or not	Open, Close | **Default** - Open
INTERFACE DISPLAY IP	Selects the IP address will be displayed or not	Open, Close | **Default** - Open

SYSTEM PARAMETERS

Device Information

You can display the IP address, direction, longitude, dimension and manfacturer's info of VZ-7TIM-S.

	FUNCTION	VALUE
DEVICE IP	IP address of VZ-7TIM-S	
DRIECTION	Enter important system information	
LONGITUDE	Enter Longitudinal value to indicate location	
DIMENSION	Enter System dimensions	
MANUFACTURER CODE	Enter the manufacturer code	

SYSTEM PARAMETERS

Restore
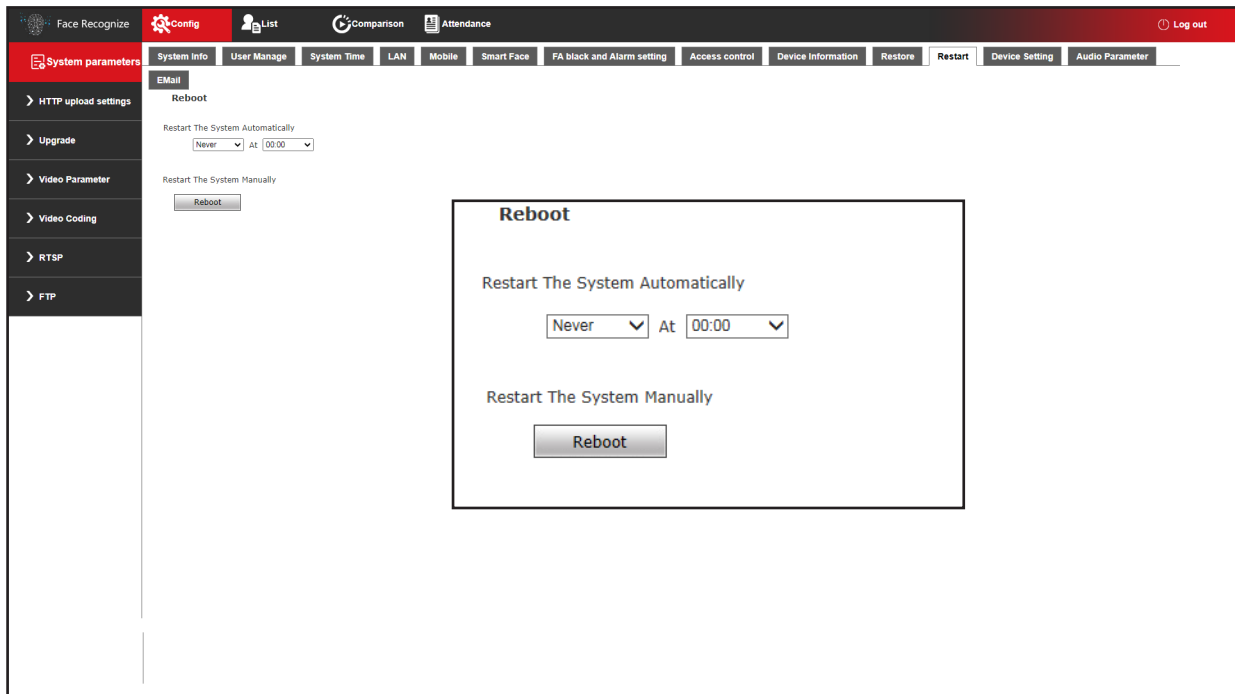
Sets the restore to the factory default of VZ-7TIM-S.

① Click the 'Restore factory setting' button

② Choose the option and click 'Submit'
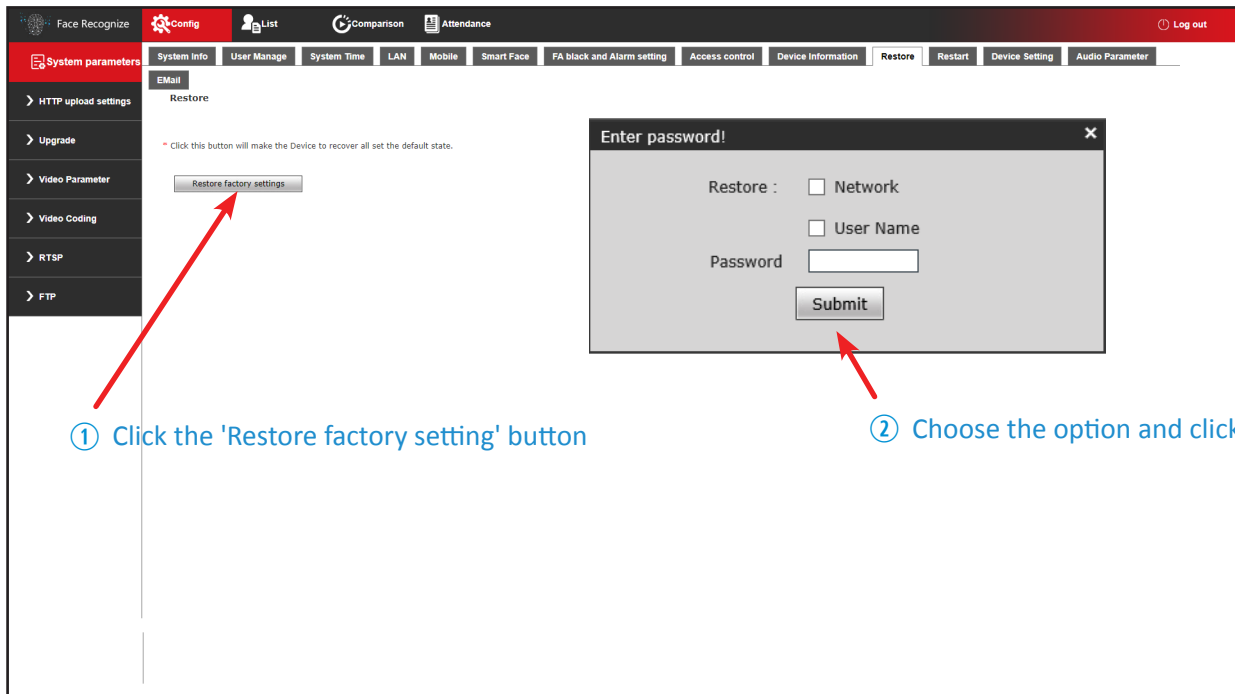
	FUNCTION	VALUE
NETWORK	Restores the IP address by factory default	
USER NAME	Restores the user name by factory default	

SYSTEM PARAMETERS

Restart

Sets the restore to the factory default of monitor & restart the monitor by the setup.

	FUNCTION	VALUE
RESTART THE SYSTEM AUTOMATICALLY	Sets the time of rebooting VZ-7TIM-S	Never, Daily, Monday ~ Sunday | **Default** - Never
REBOOT	Reboots the VZ-7TIM-S manually	

SYSTEM PARAMETERS

Device Setting

Clear or format all saved data of VZ-7TIM-S.

FUNCTION		VALUE
FORMAT	Clears all data of VZ-7TIM-S	
REFRESH	Loads the storage data of VZ-7TIM-S	

SYSTEM PARAMETERS

Audio

Sets the audio setting of VZ-7TIM-S.

	FUNCTION	VALUE
ENABLE	Enables Audio	Enable, Disable | **Default** - Enable
AUDIO INPUT	Selects the audio input source	MIC, Line-in | **Default** - MIC
COMPRESSION TYPE	Selects the audio compression type	AAC, G.726, G.711A, G.711U | **Default** - AAC
AUDIO BITRATE	Selects the audio bitrate	128000 | **Default** - 128000
SAMPLING RATE	Selects the audio sampling rate	44.1khz | **Default** - 44.1khz
INPUT VOLUME	Selects the audio input volume	0 ∼ 15 | **Default** - 15
OUTPUT VOLUME	Selects the audio output volume	0 ∼ 15 | **Default** - 15

SYSTEM PARAMETERS

EMAIL

You can send an alert email when detecting abnormal temperature.

	FUNCTION	VALUE
TO [1]	Types the recipient email address which will get alert email	
SENDER's EMAIL SERVER INFO [2]	Check up to type the sender's email info	
FROM [3]	Types the sender's email address which send an alert email to the recipient	
AUTHORIZATION CODE [4]	Types the App password or password of sender email	
SMTP SERVER	Types the SMTP server address	
MAIL TITLE	Types the title name of alert email	
SMTP PORT [5]	Type the SMTP port number	
SSL [5]	Check up if the sender email use SSL	
PUSH TYPE	Selects which info will be sent via Email	High Temp. Abnormal, Guest, List, All, None

1) If your email use the strict firewall system, please add the sender email to your safe sender list.
2) To send an alert email, you need to check this up and type the necessary information.
3) We recommends to use Gmail system to send an alert email to the preferred email. If you know creating an App password for your own email system. Then, you can use it.
4) This password can be your email password or **App password**. You can create this via the security setup of your email account.
5) SMTP port number and SSL will be provided by your email system provider. Please use that information.

SYSTEM PARAMETERS

## EMAIL - How to get App password

⚠️ **Warning**

To send an Email alert message to your email, you have 3 ways to send email;
1. Secure email sending via Gmail
2. Secure email sending via your email account (SSL Only)
3. Non-secure email sending via Gmail

Because of different email setting, we cannot explain about **how to get the App password** from your own email server. So, we will only explain about **how to get App password via Gmail** & **how to setup non-secure email sending via Gmail**.

EMAIL - How to get App password via Gmail
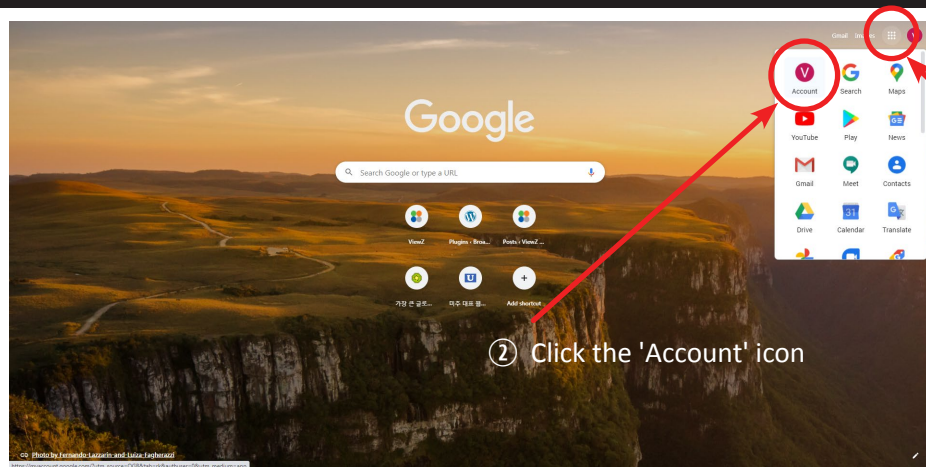
① Click the 'App' icon
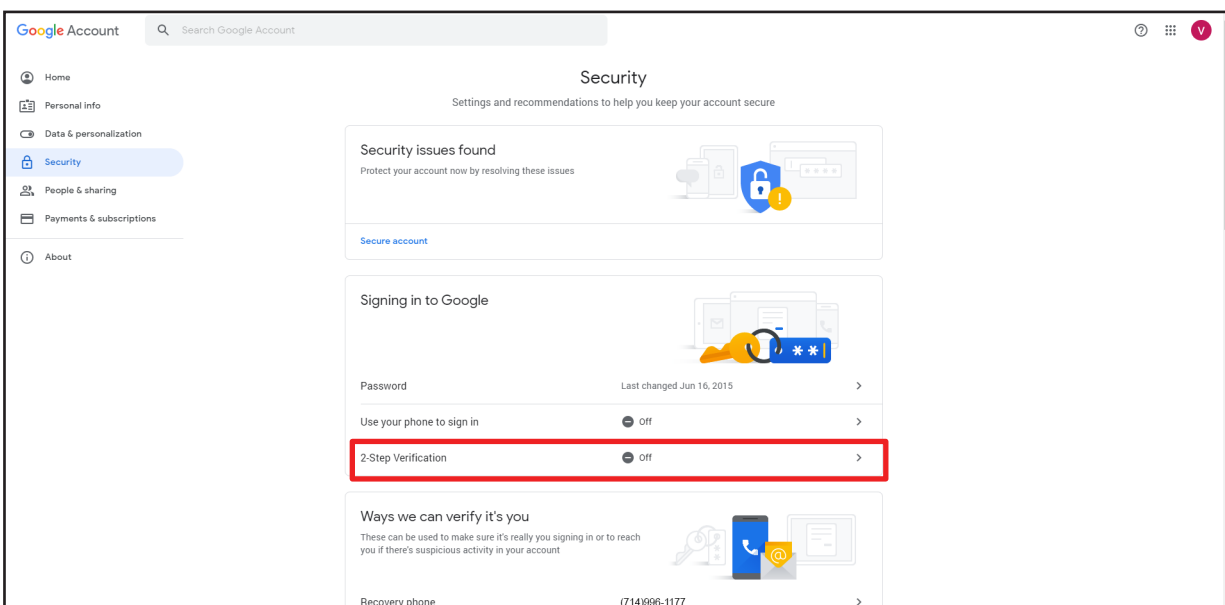
② Click the 'Account' icon

1. Open the web browser and login into the gmail. In here, we use chrome browser.
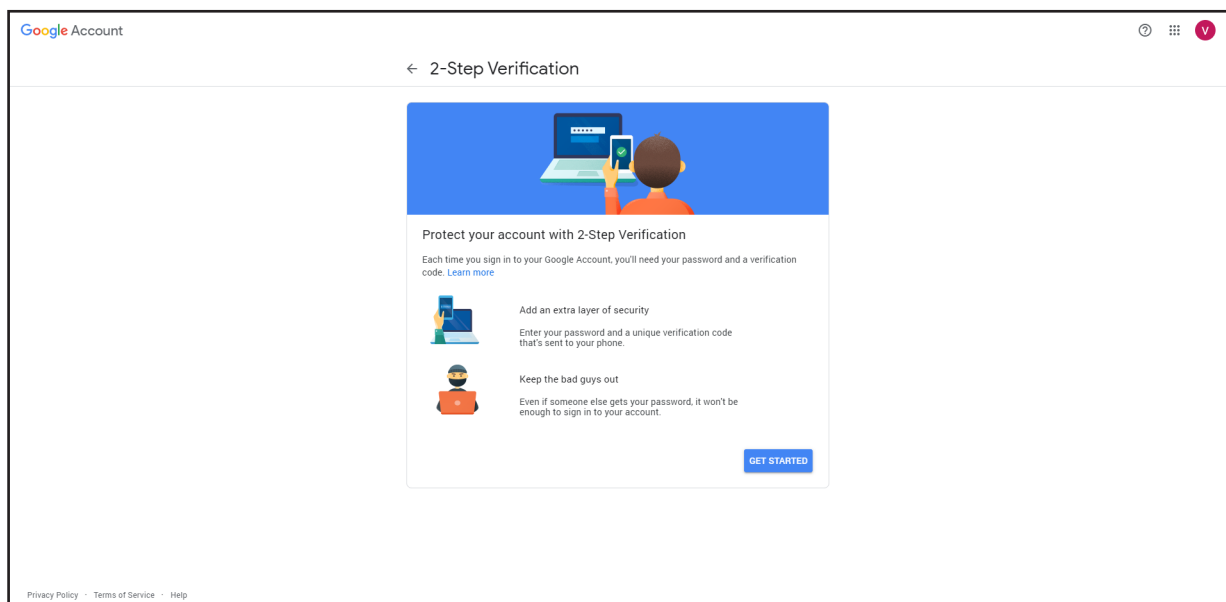2. Click the App icon on the top right corner and then, click 'Account icon'.
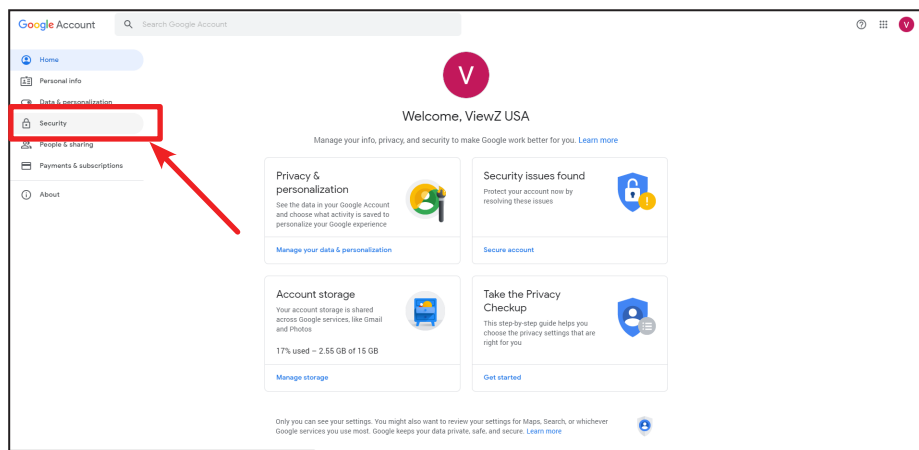
3. On the account page, click 'Security' tab on the left menu.

SYSTEM PARAMETERS

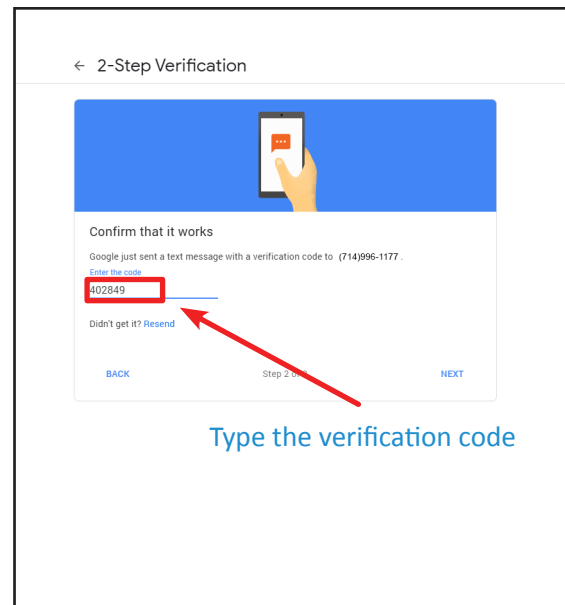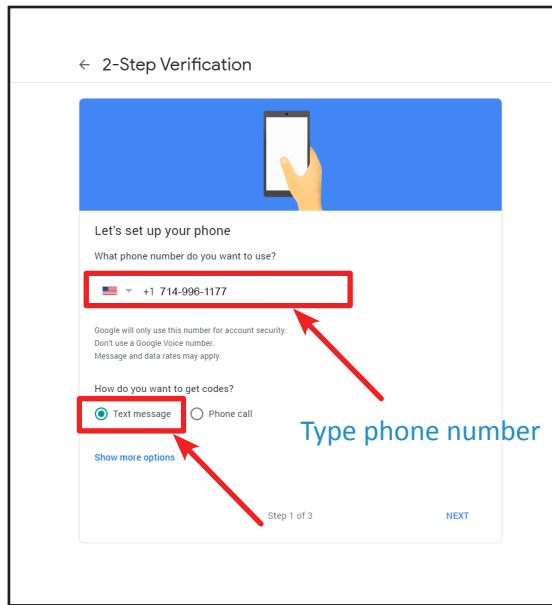## EMAIL - How to get App password via Gmail

4. If you create a Gmail account, your setup looks like the above picture. Click the '2-Step Verification'.
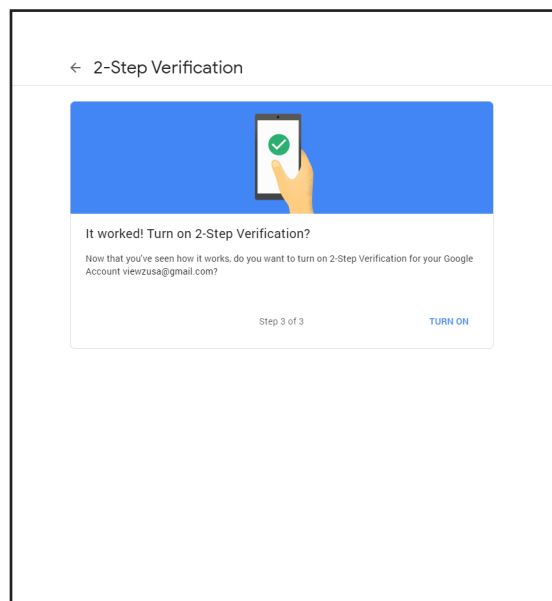

5. Click 'GET STARTED'

SYSTEM PARAMETERS

EMAIL - How to get App password via Gmail

Type phone number

Type the verification code
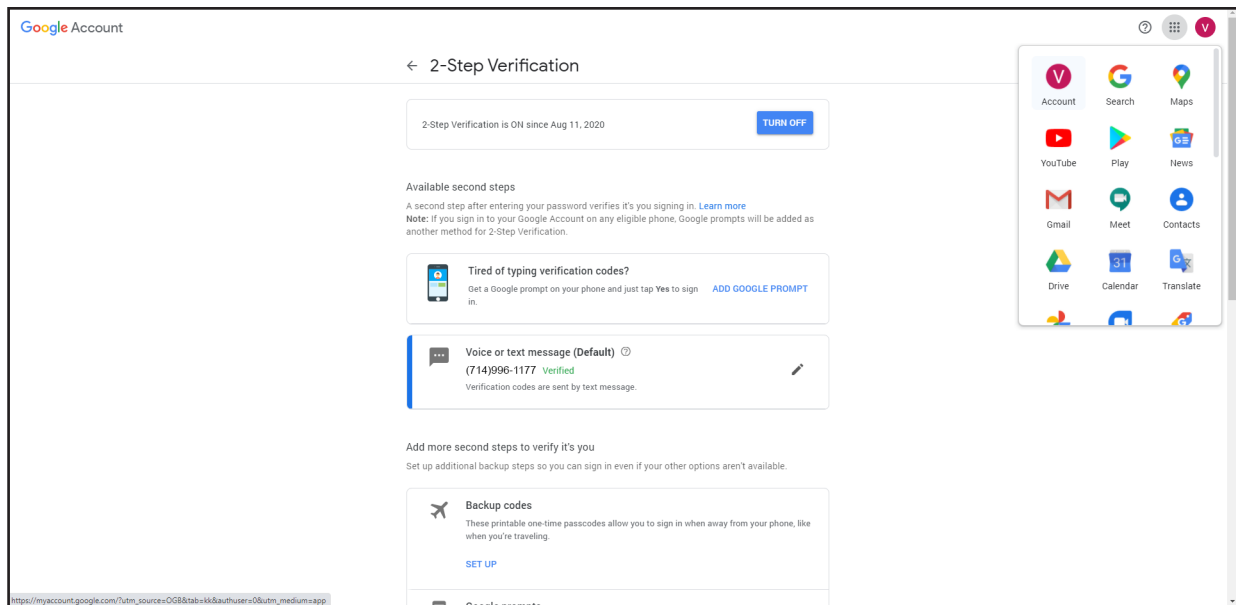
6. Type your phone number and choose 'Text message or Phone call' to get the verification code. Then, click 'NEXT'.
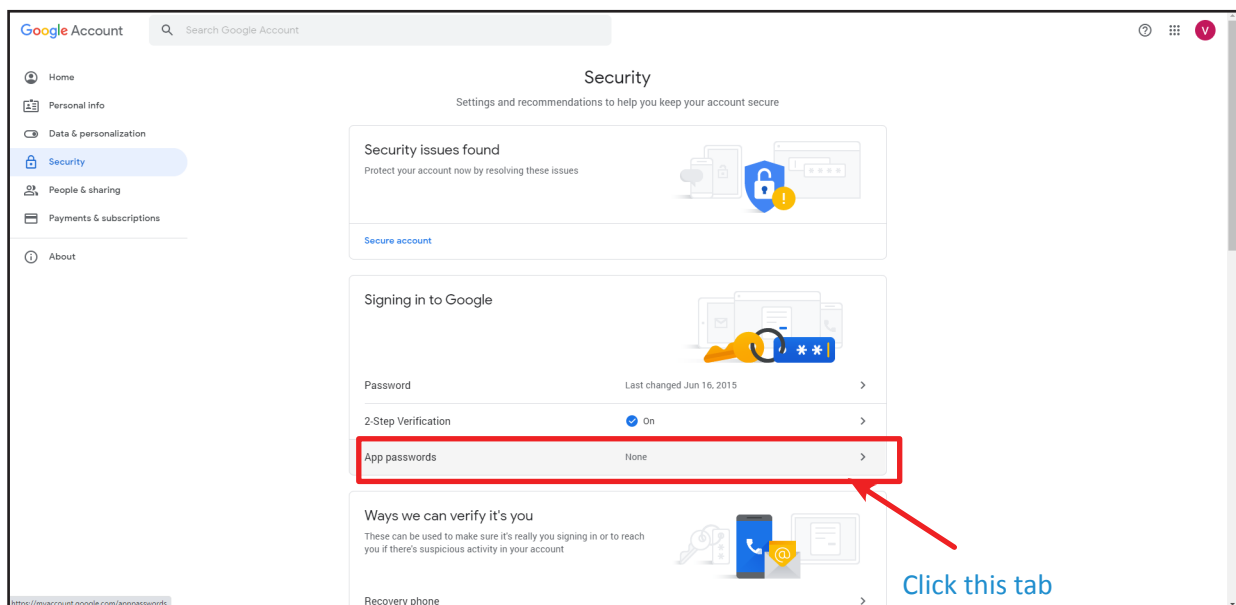7. Type the verfication code which you get. Then, click 'NEXT'.

8. When the typed verification code is worked, you will see the above picture and click 'TURN ON'.

SYSTEM PARAMETERS

**EMAIL - How to get App password via Gmail**

9. If you see the above picture, it means '2-Step Verfication' is successfully setup.
Then, click 'App/Account' icon again.


Click this tab

10. On the account page, you can now see the 'App passwords'.
This 'App passwords' will be using for your email password. So, click 'App Passwords' tab.

SYSTEM PARAMETERS

EMAIL - How to get App password via Gmail

Select app & device
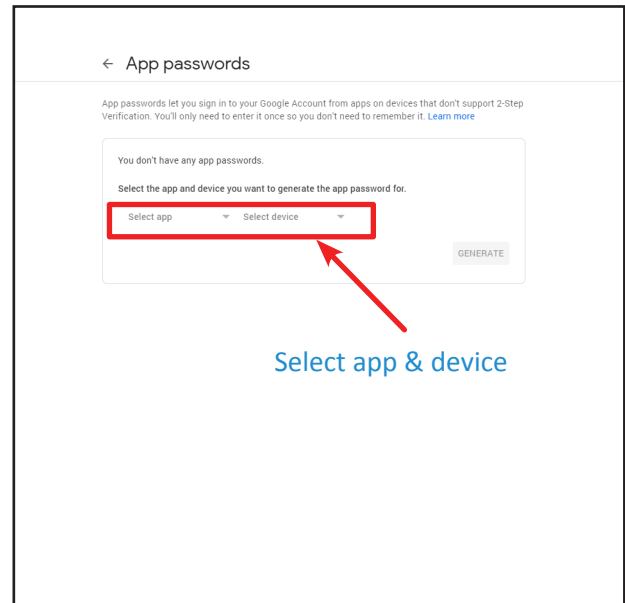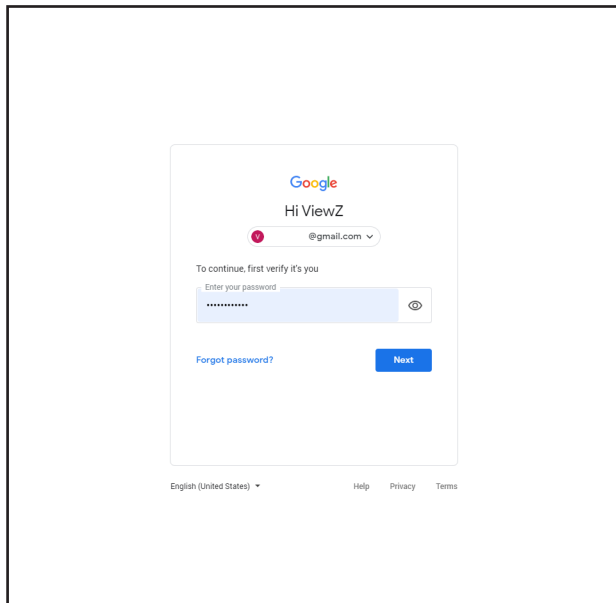
11. You might see the login window again to create 'App passwords'.
    Just login again and then select the app type and device.
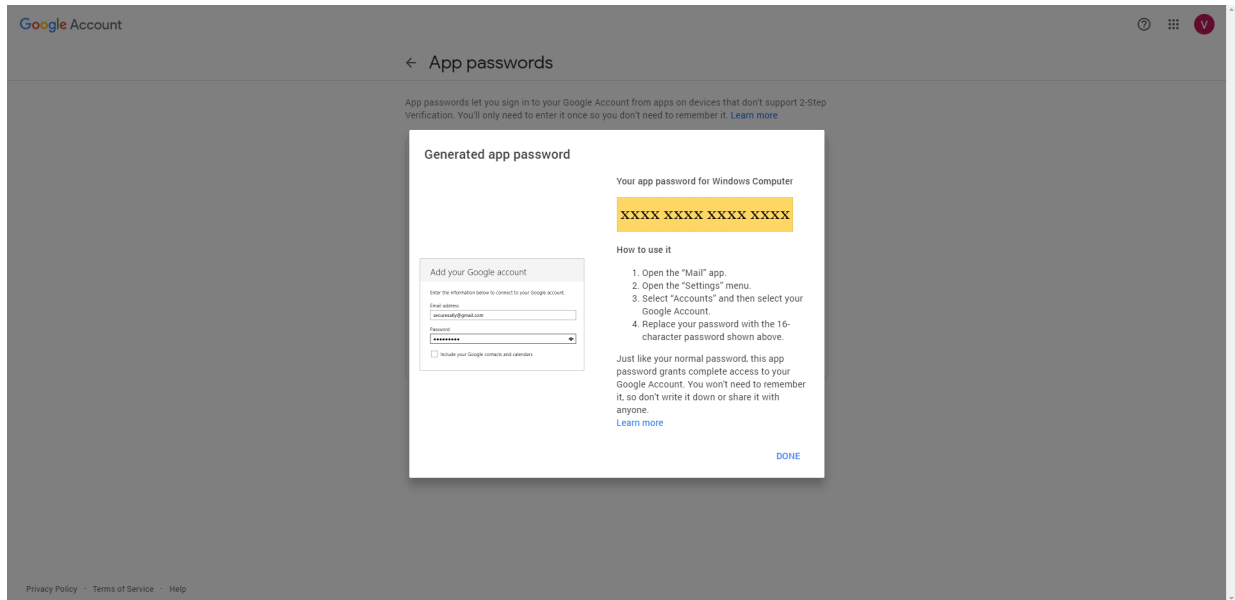

Click 'Generate' button
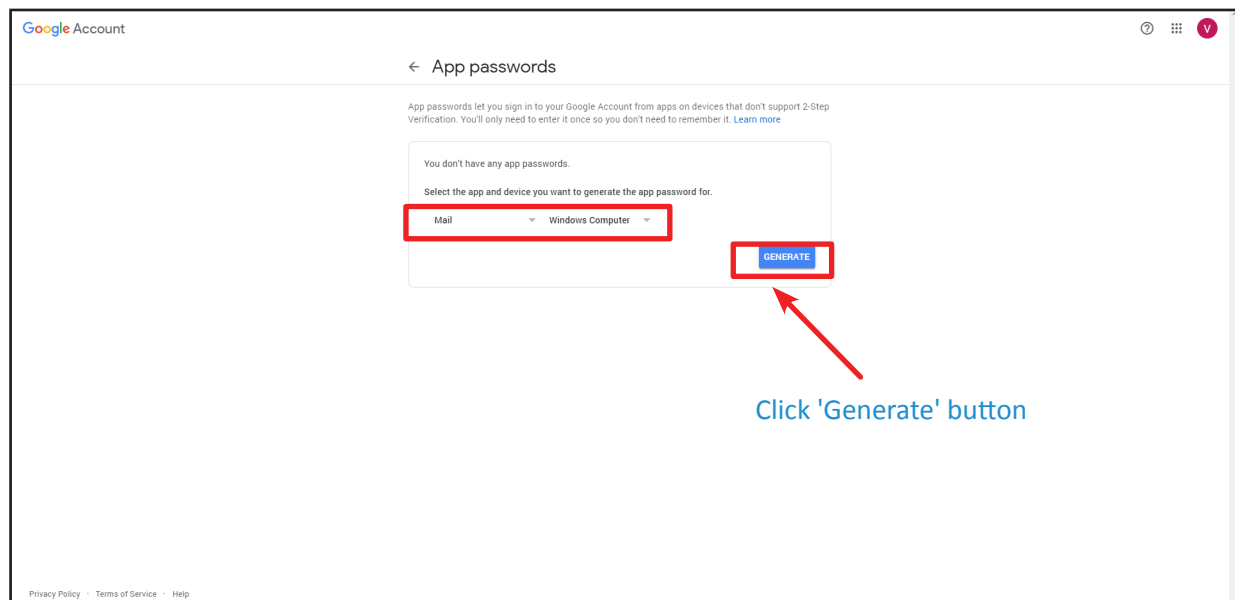
12. Please choose '**Mail**' for app and '**Windows Computer**' for device. Then, click '**Generate**'.
    VZ-7TIM-S mailing system will be only working at '**Mail/Windows Computer**' circumstance.
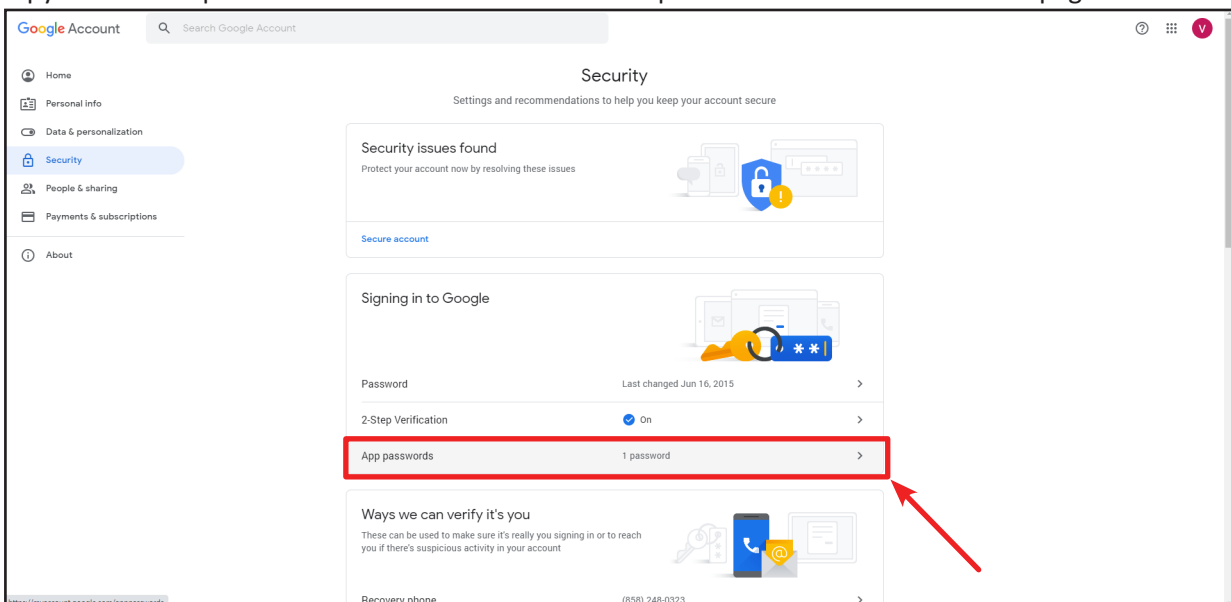
SYSTEM PARAMETERS

EMAIL - How to get App password via Gmail

13. When you click 'Generate' button, you will see the popup with a password (in the yellow box) - 16 digits.
    1 App password is only working for 1 device (VZ-7TIM-S). If you want to use more emailing notification setup, you have to create more passwords.

14. Copy or note the password to use at the sender's email password on the web browser - page 27.
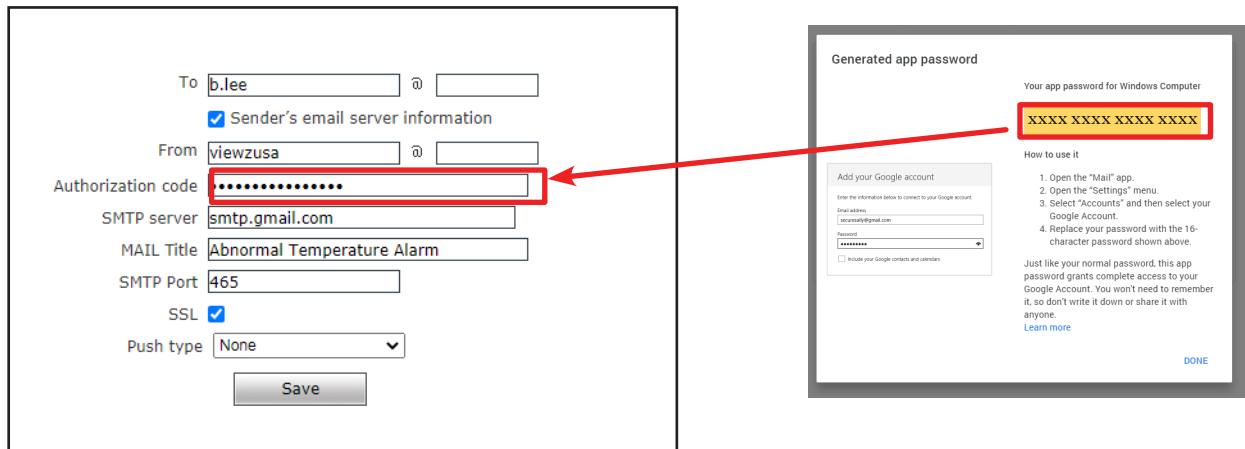

15. When you click 'Done', you will go back to the account page and check 'App passwords' tab. If you see the '**1 password**' message, it means this password can be used at the VZ-7TIM-S mailing system.
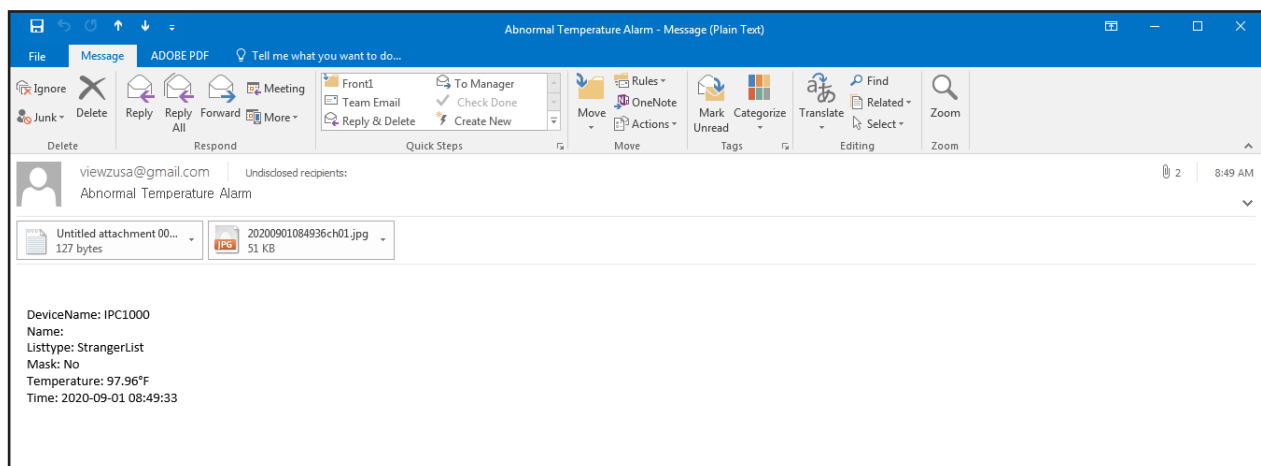
SYSTEM PARAMETERS

EMAIL - How to get App password via Gmail

16. Copy your 'App passwords' and paste it on 'Email/Password' on the web browser of VZ-7TIM-S.
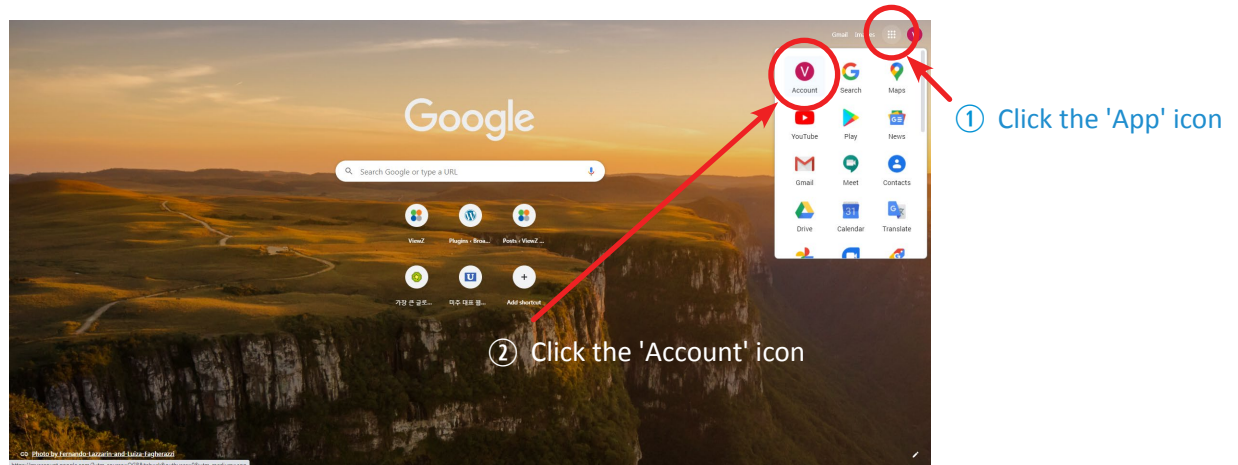17. Click 'Save' to apply it.

18. Now you can get the abnormal temperature alert email like below;

SYSTEM PARAMETERS

EMAIL - How to setup non-secure email sending via Gmail

This is very simple and fast to setup non-secure email sending via Gmail.

① Click the 'App' icon

② Click the 'Account' icon

1. Open the web browser and login into the gmail. In here, we use chrome browser.
2. Click the App icon on the top right corner and then, click 'Account icon'.
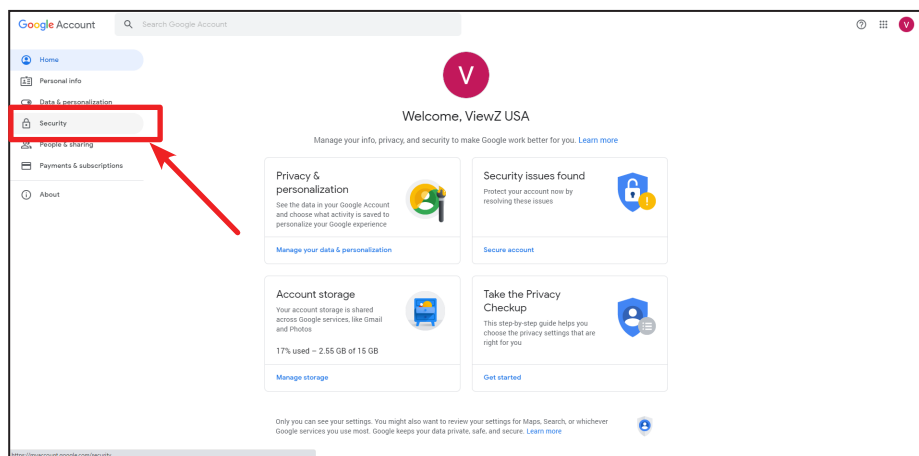
3. On the 'Account' page, click 'Security' tab on the left menu.
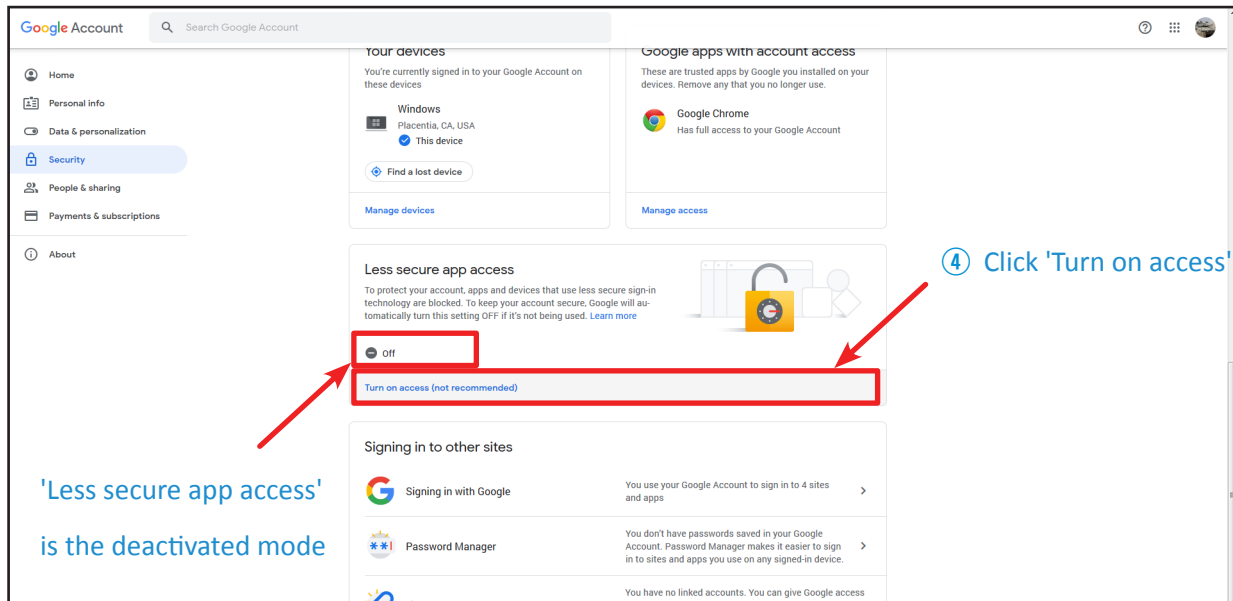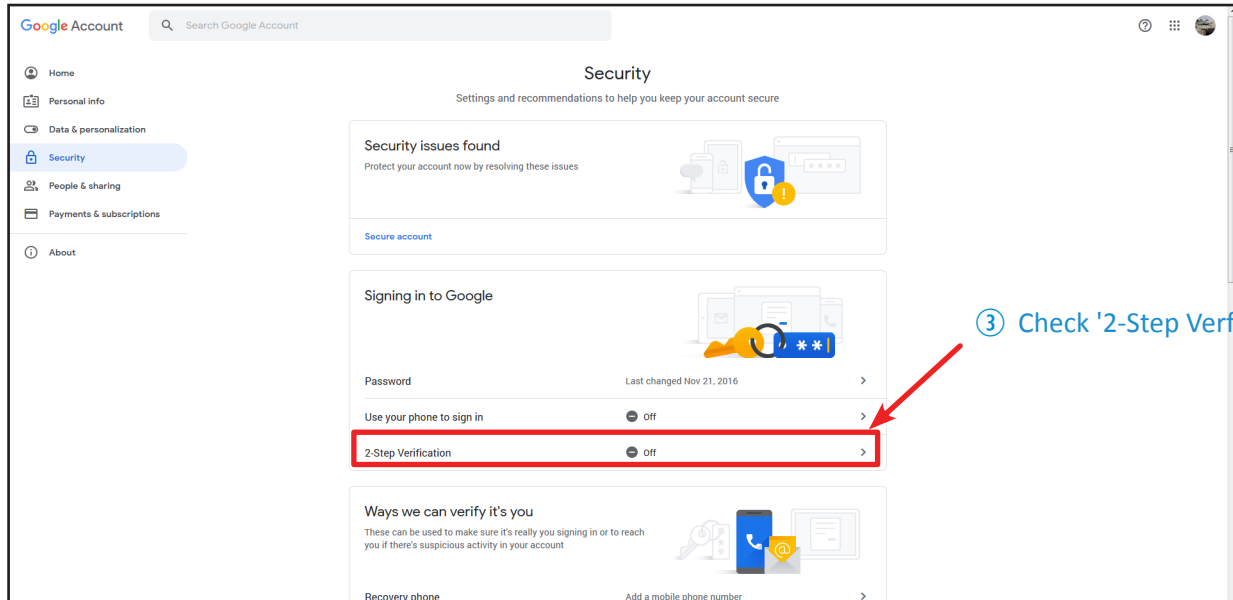
⚠️ Warning

The non-secure email sending option would have a security issue. ViewZ will not be responsible about any effect of using this option. Also, your ISP administrator could block non-secure email sending option or 'App password' option because of security reason.

EMAIL - How to setup non-secure email sending via Gmail

4. On the 'Security' page, you need to check '2-Step Verification' is off.
5. Scroll down to 'Less secure app access' tab and click 'Turn on access' tab.

③ Check '2-Step Verification' is off.

④ Click 'Turn on access'

'Less secure app access'
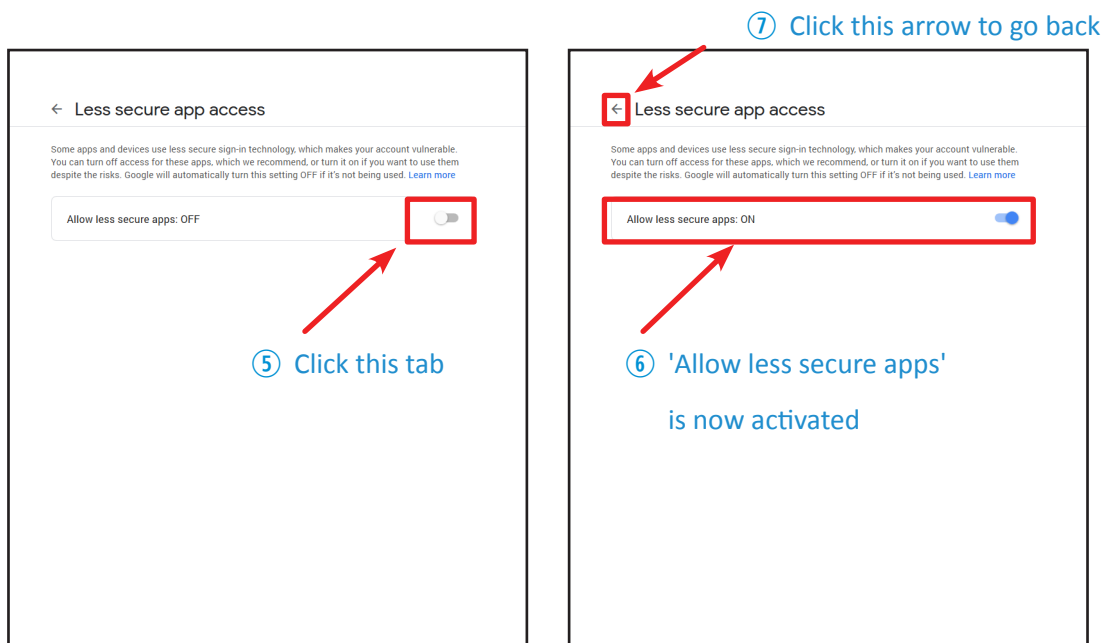
is the deactivated mode

⚠ **Warning**

You should turn off '2-Step Verification' to use this option, on your gmail account. So, we recommends to create a Gmail account for this usage.
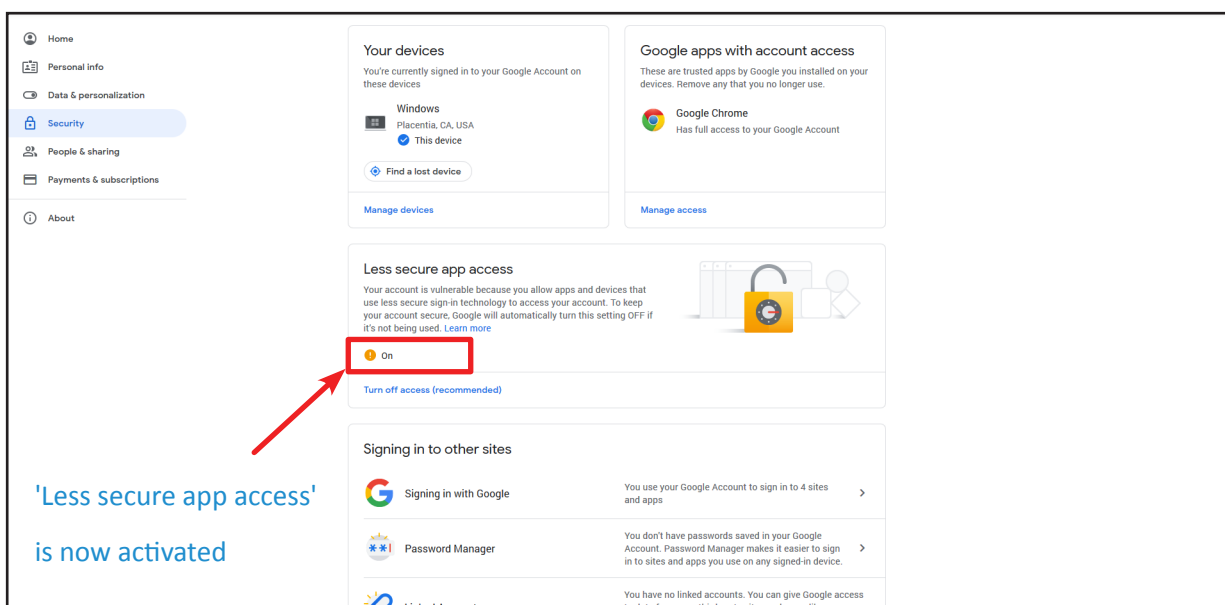
SYSTEM PARAMETERS

EMAIL - How to setup non-secure email sending via Gmail.

6. On 'Less secure app access' page, click 'Allow less secure apps' button to activate this function.

⑦ Click this arrow to go back

← Less secure app access

Some apps and devices use less secure sign-in technology, which makes your account vulnerable. You can turn off access for these apps, which we recommend, or turn it on if you want to use them despite the risks. Google will automatically turn this setting OFF if it's not being used. Learn more

Allow less secure apps: OFF

⑤ Click this tab

← Less secure app access

Some apps and devices use less secure sign-in technology, which makes your account vulnerable. You can turn off access for these apps, which we recommend, or turn it on if you want to use them despite the risks. Google will automatically turn this setting OFF if it's not being used. Learn more

Allow less secure apps: ON

⑥ 'Allow less secure apps'
is now activated

7. On the 'Security' page, you now see 'Less secure app access' mode is now '**ON**'

Home
Personal info
Data & personalization
Security
People & sharing
Payments & subscriptions
About

Your devices
You're currently signed in to your Google Account on these devices

Windows
Placentia, CA, USA
✓ This device

⊕ Find a lost device

Manage devices

Google apps with account access
These are trusted apps by Google you installed on your devices. Remove any that you no longer use.

Google Chrome
Has full access to your Google Account

Manage access

Less secure app access
Your account is vulnerable because you allow apps and devices that use less secure sign-in technology to access your account. To keep your account secure, Google will automatically turn this setting OFF if it's not being used. Learn more

⚠ On

Turn off access (recommended)

Signing in to other sites

G Signing in with Google
You use your Google Account to sign in to 4 sites and apps

✳✳I Password Manager
You don't have passwords saved in your Google Account. Password Manager makes it easier to sign in to sites and apps you use on any signed-in device.

Linked Accounts
You have no linked accounts. You can give Google access to data from your third-party sites and apps, like your...

'Less secure app access'
is now activated

SYSTEM PARAMETERS

EMAIL - How to setup non-secure email sending via Gmail

8. On the 'Email/Password' page of web browser, you just type your SMTP information with your email address and password.
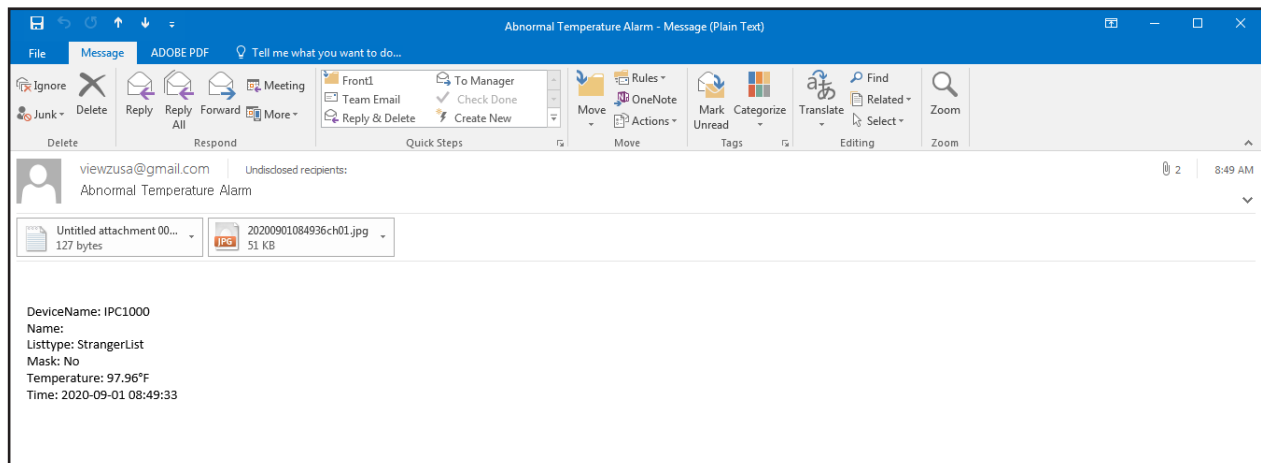

General Email Password

9. Now you can get the abnormal temperature alert email like below;

NETWORK

HTTP Upload Settings

This function is for uploading captured info to the server.

	FUNCTION	VALUE
CAPTURE UPLOAD	Turns on or off this function	
CAPTURE INFORMATION UPOLOAD ADDRESS	Types the server address which will get the captured data	
CAPTURE UPLOAD TYPE	Selects which personal info will be uploaded	All, Does not, Blackllist, Whitelist, VIP, Stranger, Non-whitelist | **Default** - All
CAPTURE INFO CONTENT	Selects which captured data will be uploaded	Face, Compare | **Default** - Both
UPLOAD PICTURES	Selects which captured image will be uploaded	Face, Background (& Face), List library photo | **Default** - Face
NUM OF RETRANSMISSION	Types the re-upload times when uploading is not successfully uploaded to the server	Number 0 ~ | **Default** - 0

⚠ **Warning**

This function is not supported on the VZ-7TIM-S.

NETWORK

HTTP Upload Settings (Continued)

	FUNCTION	VALUE
REGISTERED [1]	Turn this function on or off	
REGISTERED INFO. UPLOAD ADDRESS	Types the server address which will get the registration data	
HEARBEAT UPLOAD	Turn on or off this function	
HEARTBEAT INFO. UPLOAD ADDRESS	Types the server address which will get the heartbeat data	
HEARTBEAT INTERVAL	Types the scan interval of heartbeat	Number 0 ~ seconds | **Default** - 30
EVENT ADDRESS	Types the server address of event	
RESULT ADDRESS	Types the server address of task report	
SIGN VERIFICATION	Selects the authentification is required or not	Open, Close | **Default** - Close
OPERATING MODE	Selects the mode of connection	Online, Offline | **Default** - Offline
HTTP VERSION	Selects the HTTP version	V1.0.0, V2.0.0 | **Default** - V2.0.0

1) When you check 'Registered' check box, the non-registered person who captured by VZ-7TIM-S monitor, will be automatically registered into the system.

NETWORK

Upgrade

Upgrades the system of VZ-7TIM-S.

FUNCTION		VALUE
VERSION	Displays the current version of software	
UPGRADE FILE	Selects a upgradable file from file browser	N / A

⚠️ **Warning**

The upgrade/update of VZ-7TIM-S is not available via this function

NETWORK

Camera Video Setup

Adjusts the video setting of VZ-7TIM-S.
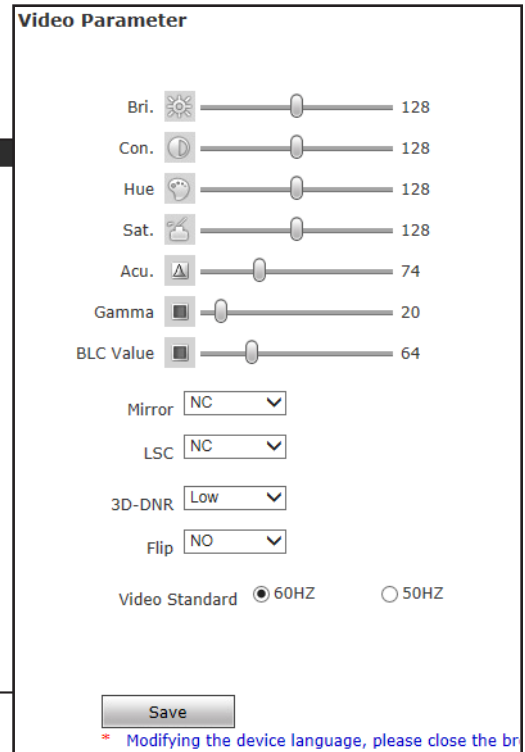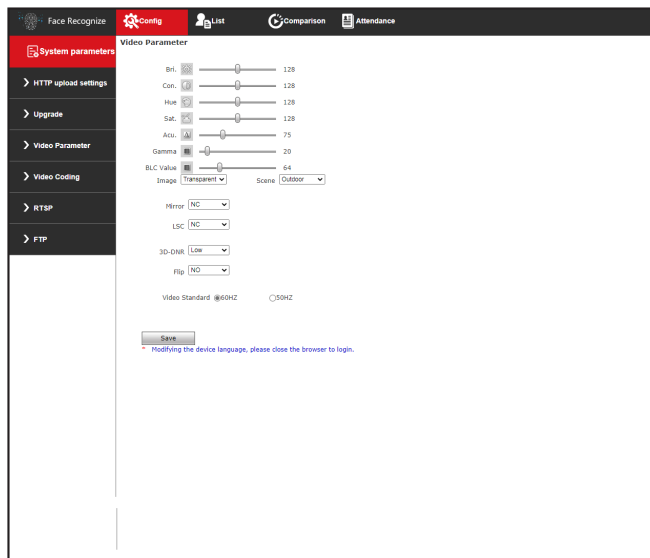
	FUNCTION	VALUE
BRIGHTNESS	Adjusts the brightness	0 ~ 255 | **Default** - 128
CONTRAST	Adjusts the contrast	0 ~ 255 | **Default** - 128
HUE	Adjusts the hue	0 ~ 255 | **Default** - 128
SATURATION	Adjusts the color saturation	0 ~ 255 | **Default** - 128
ACCURACY	Selects the audio compression type	0 ~ 255 | **Default** - 75
GAMMA	Adjusts the gamma rate	0 ~ 255 | **Default** - 20
BLC VALUE	Adjusts the exposure to properly display the subject	0 ~ 255 | **Default** - 64
IMAGE	Adjusts the image color setting	Transparent, True | **Default** - Transparent
SCENE	Selects the bright level of the camera	Indoor 1, 2, Outdoor | **Default** - Outdoor
MIRROR	Selects displaying mirror image or not	NC (Off), NO (On) | **Default** - NC
LSC	Turns on/off to adjust shading of the outside of image	NC (Off), NO (On) | **Default** - NC
3D-DNR	Reduces the noise of display image	NC, Low, Normal, High | **Default** - NC
FLIP	Selects the flipped image or not	NC (Off), NO (On) | **Default** - NC
VIDEO STANDARD	Selects the frequency of video	60 hz, 50 hz | **Default** - 60 hz

NETWORK

Video Streaming

Adjusts the main and sub stream of VZ-7TIM-S.

	FUNCTION	VALUE
MAIN/SUB STREAM [1]	Adjusts the value of video stream for each stream	
CODING LEVEL	Selects the streaming video profile	Baseline, Main, High | **Default** - Main
CODING	Selects the video compression method	MJPEG, H.264, H.265| **Default** - H.264
RESOLUTION	Selects the streaming video resolution	**Default** - 1920 x 1080 pixel
QUALITY	Selects the streaming video quality	Fine, Normal, Basic | **Default** - Fine
ADVANCED [2]	Turn on/off the manual adjustment for camera	

1) The 'Main Stream' means the highest quality stream that gets recorded to your HDD and 'Sub Stream' means typically what gets streamed to your HDD or other devices. This function will help you when you have limited Internet bandwidth.

2) If you check on the 'Advanced' box, you can control 'VBR/CBR, quality, bitrate, frame rate and GOP(F)'. If you check off 'Advanced' box, you cannot control these.

Video Streaming (Continued)

	FUNCTION	VALUE
RATE CONTROL	Selects the video compression methods	CBR, VBR | **Default** - VBR
QUALITY	Selects the streaming video quality	**VBR** - Best, Better, Good,
		Bad, Worse, Worst | **Default** - Better
		CBR - Self-adaption, $\pm$ 10 ∼ 50%
		| **Default** - $\pm$ 10 %
BITRATE (KB/S)	Type the proper streaming video bitrate	0 ∼ | **Default** - Main - 4096 / Sub - 1024
FRAME RATE (F/S)	Type the proper streaming video frame rate	1 ∼ 30| **Default** - 30
GOP (F)	Type the frame of group of pictures	1 ∼ 200| **Default** - 60
LAN [1]	Setup the current value as LAN preferences	
WAN [1]	Setup the current value as WAN preferences	

1) When you click 'LAN or WAN' button, system will load the default value. If you update the value and want to use it, please click 'Save' button to apply.

NETWORK

RTSP

Sets the RTSP streaming of VZ-7TIM-S.

	FUNCTION	VALUE
ENABLE	Enable or disable the RTSP streaming	
ENABLE AUTHENTICATION	Turn on or off the authentication when using RTSP	
PACKET SIZE	Types the RTSP streaming packet size	0 ~ | **Default** - 1440
PORT	Types the RTSP port number	0 ~ | **Default** - 554
COMMUNICATE	Selects the RTSP communication protocol	**Default** - Multicast
MULTICAST SERVER ADDRESS	Types the multicast server address	xxx.xxx.xxx.xxx | **Default** - 239.0.0.0
MAIN STREAM VIDEO PORT	Types the main stream multicast video port number	0 ~ | **Default** - 1234
MAIN STREAM AUDIO PORT	Types the main stream multicast audio port number	0 ~ | **Default** - 1236
SUB STREAM VIDEO PORT	Types the sub stream multicast video port number	0 ~ | **Default** - 1240
SUB STREAM AUDIO PORT	Types the sub stream multicast audio port number	0 ~ | **Default** - 1242
ONVIF PASSWORD	Turn on or off the authentication when using ONVIF	

NETWORK

FTP

Sets the FTP of VZ-7TIM-S.

	FUNCTION	VALUE
SERVER URL	Types the FTP server address	
SERVER PORT	Types the port number of FTP server	0 ~ | **Default** - 21
FTP CATALOG	Types the specific folder name to upload	**Default** - / (root)
CLASSIFICATION [1]	Selects where the screenshot will be saved on the FTP server	There is no, Date, Serial #, The IP Address | **Default** - There is no
USER NAME	Types the username of FTP server	
PASSWORD	Types the password of FTP server	
FILE UPLOAD MODE	Types the main stream multicast video port number	Direct Upload, Read and Upload | **Default** - Direct Upload
TEST [2]	Tests the connection of FTP server	

1) When you select the 'Date, Serial#, The IP Address' option, the folder will be automatically created.
 'There is no' - Save the file at the location of 'FTP catalog' | 'Date' - Save the file under the date name folder | 'Serial #' - Save the file under the serial number folder | 'The Ip Address' - Save the file under the IP address name folder
2) There are many different possible reasons for connection to fail. However, if you see the FTP server directly and find the 'Test.jpg' on the FTP server, it means the connection is confirmed.

List

Manages the registered persons or add new person into the system.
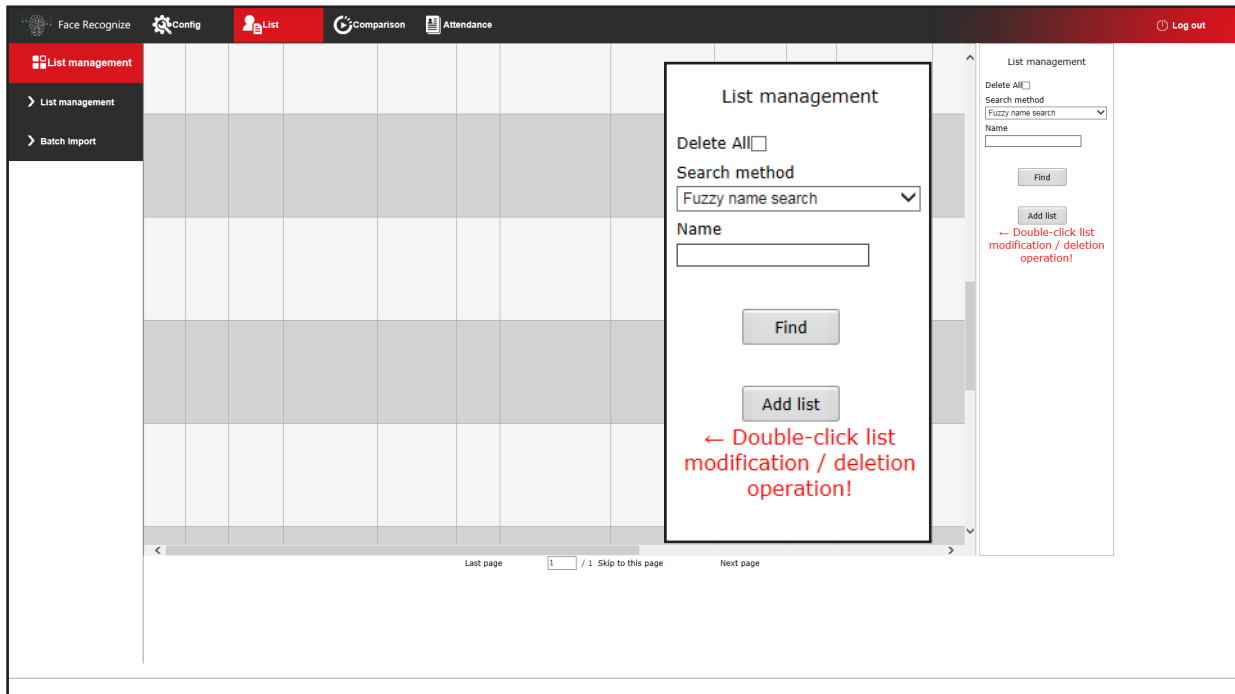
	FUNCTION	VALUE
DELETE ALL	Deletes all registered information	
SEARCH METHOD	Selects what kind of search methods will be used for search	Conditional, Fuzzy name, Duplicate ID #, Duplicated access card # | **Default** - Fussy name
NAME	Types the desired keyword to search	
FIND	Displays the search result on the list	
ADD LIST[1]	Adds a person to the list among white, black or VIP	

1) You can add a person with the info of Whitlist/Blacklist/VIP Type, Name, Gender, Nation, Certificate Type, ID Number, Date of Birth, Phone Number, Hometown, Address, IC, Note, Access Control, List Type.

1) To add a person to list;
1-1) Click 'Add list' button to popup the 'Add list' window.
1-2) Click 'Browse' button to add a face/upper body photo.
1-3) Fill in the proper information.
1-4) Click 'Save' button to save the written information

List (Continued)

② Click 'Browse' button to add a photo

① Click the 'Add list' button

③ Types the proper information

④ Click 'Save' button to add a person into the list

FUNCTION		VALUE
ADD LIST - POPUP		
BROWSE	Selects a photo from local computer	
ACCESS CONTROL CARD # GENERATION METHOD	Selects a method to create the new USER ID number for registering a person	Public card #, Automatic generate, Manual input | **Default** - Public card #
ACCESS CONTROL CARD #	Types the new USER ID number manually	
TYPE	Selects a registered type of person	Black, White, VIP | **Default** - Whitelist

⚠️ Warning

When you're uploading a photo, use an image below 960x960 pixels & 2MB file size. Also, you should upload a clear face photo to prevent recognition errors.

LIST MANAGEMENT

Batch Import

The batch import function is a simple way to add new persons into the database.

② Click 'Browse' button to add a photo

① Click the 'Bulk import' button

③ Selects & types the proper information

④ Click 'Save' button to add a person into the list

	FUNCTION	VALUE
REFRESH	Refresh the list page	
BULK IMPORT [1]	Adds a person to the list among white, black or VIP	
ACCESS CONTROL CARD #	Selects a method to create the new ID number	Public card #, Automatic generate,
GENERATION METHOD		Manual input | **Default** - Public card #
ACCESS CONTROL CARD #	Types the new ID number manually	
TYPE	Selects a registered type of person	Black, White, VIP | **Default** - Black

1) To add a group of people to list;
1-1) Click 'Bulk Import' button to popup the 'Modify List' window.
1-2) Click 'Browse' button to add a picture - face or upper body.
1-3) Select one of the access control card number generation method or type the manual ID.
1-4) Select one of the group type.
1-5) Click 'Save' button to save & register the current information.

⚠ Warning

This function is not supported on the VZ-7TIM-S.

COMPARISON

Log Record

This function displays the log record for scanned people. VZ-7TIM-S can provide 22,000 records with the captured photo (registered or new captured), name, ID, person's group (guest, white, black or VIP), body temperature, time, mask worn, visit time, first time visit and similarity (with registered photo).

	FUNCTION	VALUE
TIME PERIOD	Finds the recognition record under the specific time	
SEARCH TYPE [1]	Choose which user type will be searched	Owner, Blacklist, Whitelist, VIP list | **Default** - Owner
NAME & NUMBER	Finds the recognition record under the name or ID number	

1) ID card authentication is not supported on VZ-7TIM-S model.

Attendance

Find the attendance data of registered people under the attendance tab.


	FUNCTION	VALUE
SET TIME	Finds a record from the specific day	Monday ~ Sunday
GO TO WORK	Sets the time which come to work	00:00 ~ 00:00
OFF DUTY	Sets the time which out of work	00:00 ~ 00:00
ADVANCED	Sets the time by a week day	Monday ~ Sunday
WORKING DAYS SETTING	Sets the working day	Monday ~ Sunday
NAME / NUMBER	Finds a record by specific name and ID number	
ATTENDANCE STATUS	Sets the finding record based on the specific condition	All, Late, Leave Early, No attendance | Default - All
QUERY TYPE	Selects a display type based on record or statistic data	Record, Statistic | **Default** - Record

Attendance (Continued)

Actual attendance record listing samples

MONITOR INSTALLATION

Precaution

When you install the VZ-7TIM-S monitor, please refer to the following set of requirements:

1. Device working temperature : 32 ～ 122°F / 0 ～ 50°C (Device optimum working temperature : 60 ～ 89.6°F / 16 ～ 32°C). Do not Install under the vent and ensure that there is no heating source within 3 meters.
2. If temperature is checked on someone who has below normal body temperature due to cold weather, termpeature detection accuracy can be affected.
3. It is recommended to take the temperature reading from the forehead at an indoor location, or in an area with stable temperature.
4. Since the temperature reading is taken from the forehead, water, sweat, oil, thick makeup, or wrinkles may cause the VZ-7TIM-S monitor could measure a lower temperature than normal. Make sure there is no materials which can interupt the measurement of the forehead area of a medical diagnosis.

⚠️ Warning

VZ-TIM series cannot replace or substitute the result of medical diagnose.

Desktop / Gate Installation (Optional)

When you install the VZ-7TIM-S monitor at the proper location without the optional mount (VZ-7TIM-DS or VZ-7TIM-FS) or install VZ-7TIM-S monitor, by using desktop stand (VZ-7TIM-DS), at the gate, please refer to below;

- Install the software and check the connection between SW and TIM monitor
- Set the TIM monitor & camera direction to the pedestrian face
- Optimal detection distance is from 1.64 ft to 6.56 ft
- By recognizing detection distance, you can put the sign of detecting position on the ground
- Based on the height of monitor position, you need to adjust the angle of monitor or detection distance

Reception or Front Desk   Casher or Information Desk   Gate or Station

MONITOR INSTALLATION

Desktop / Gate Installation (Optional) - Install Position

If you want to install the VZ-TIM series monitor at the gate, please refer the follow;

- Install the VZ-TIM series monitor at the entrance way
- VZ-TIM monitor will be directed to the entrance way and located at the proper position & angle

Install Location

Install Location

One way

Two way
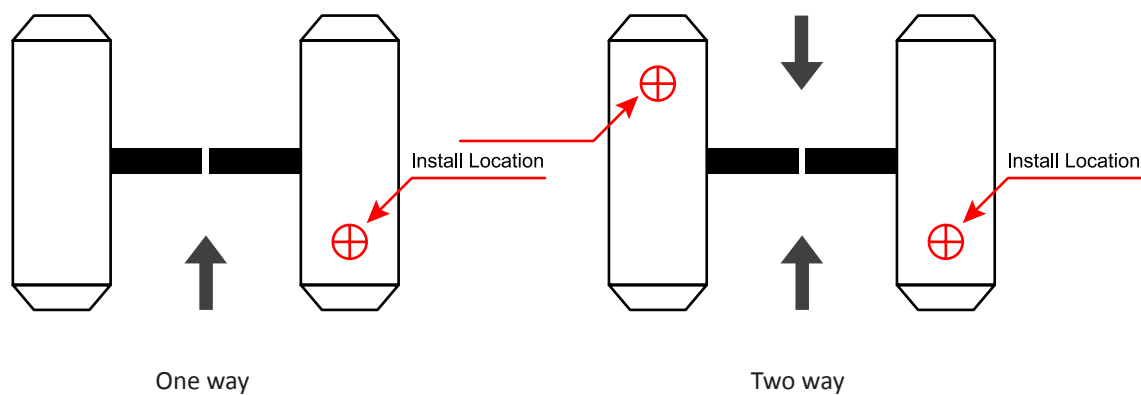
- Install or setup signs to indicate optimal detecting distance, if necessary.
- For the temperature check to work properly, **please make sure you're in a direct line of sight when you stand in front of the device.**
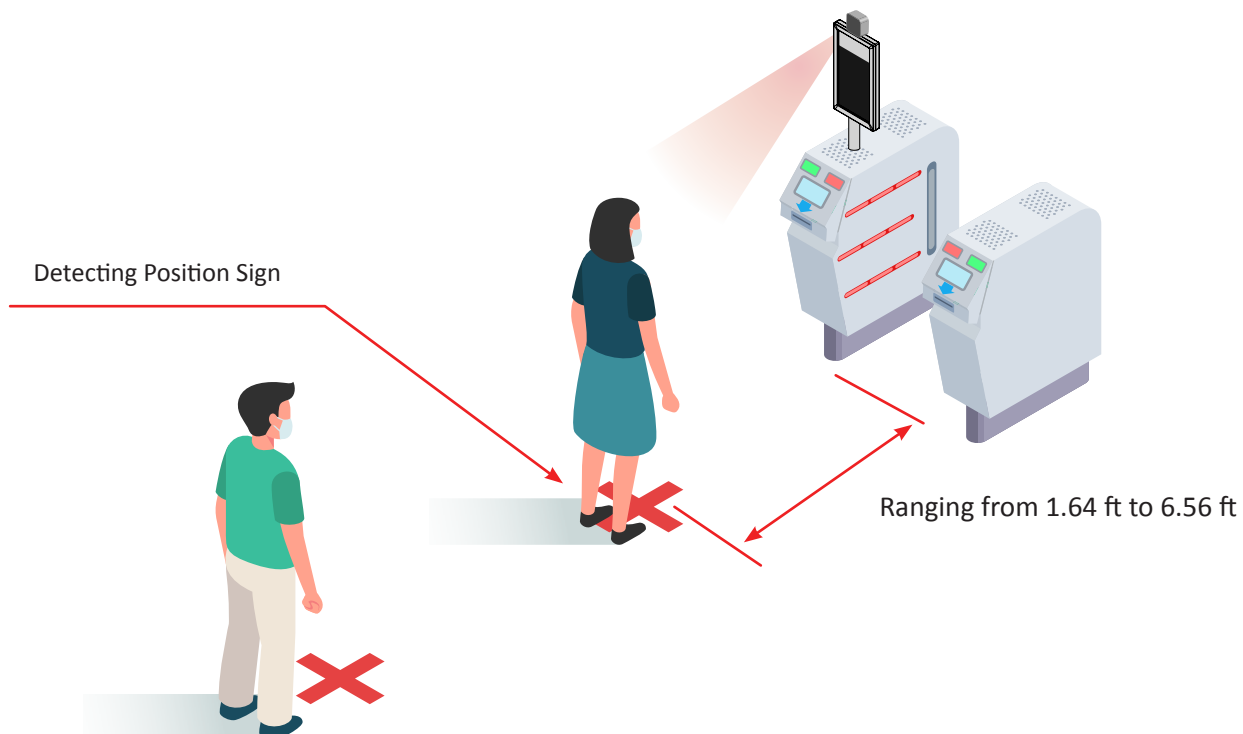
Detecting Position Sign

Ranging from 1.64 ft to 6.56 ft

MONITOR INSTALLATION

Stand Mount Installation (Optional)

When you install the VZ-7TIM-S monitor with the stand mount (VZ-7TIM-FS), please refer below;

- Install the software and check the connection between SW and TIM monitor
- Set the TIM monitor & camera facing the direction of those entering
- Optimal detection distance is from 1.64 ft to 6.56 ft
- By recognizing detection distance, you can place signs as indicators on the ground
- Based on the circumstance, you will need to adjust the angle of the monitor or arrange the detection distance

Retail Shop & Market

Casino & Conference Center

Church

Grocery Store
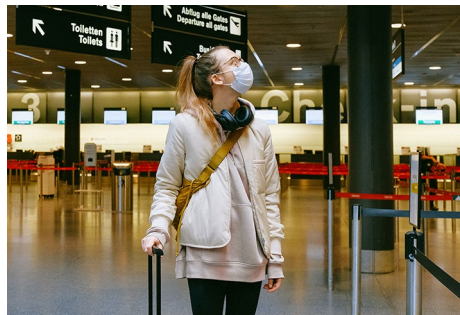
Airport & Transportation

Hotel Lobby

MONITOR INSTALLATION

Stand Mount Installation (Optional) - Install Position

If you want to install the VZ-7TIM-S monitor with the standing mount, please refer the follow;

- Install the VZ-7TIM-S monitor at the entrance way
- VZ-7TIM-S monitor should be directed to the entrance way and located at the proper position & angle
- Install or setup the sign of detecting position on the ground if necessary

Detecting Position Sign

Ranging from 1.64 ft to 6.56 ft
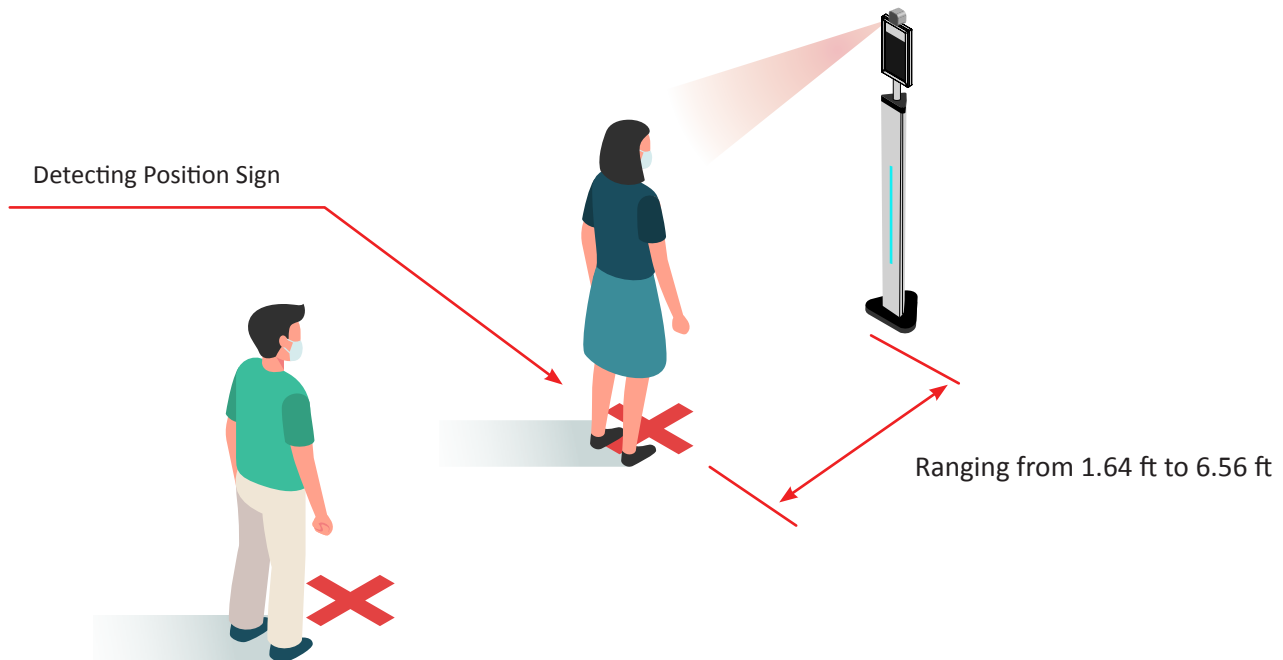
SPECIFICATION

Model No.	VZ-7TIM-S
Size & Type	7"
Face Recognition	
Height Range	3.93 ~ 7.2 ft / 1.2 ~ 2.2 m
Distance Range	1.64 ~ 6.56 ft / 0.5 ~ 2.0 m
Recognition Time	< 500 ms
Viewing Angle	Ver. ± 40°
Function	Support 22,400 Face DB & 100,000 Records
Temperature Recognition	
Detection Range	86 ~ 113 °F / 30 ~ 45 °C
Detection Accuracy	0.54 °F / 0.3 °C
Distance	0.98 ~ 2.62 ft / 0.3 ~ 0.8 m
Response Time	< 300 ms
Board Spec	
System	Linux OS
RAM	16GB EMMC
Camera Spec	
Camera Type	2 Mega Pixel Binocular w/ Live Detection
Lens	4.5mm
Image Sensor	1/2.7" CMOS
Total / Effect Pixel	1920(H) x 1080p
Min. lux	Color 0.01Lux @F1.2(ICR), B/W 0.001Lux @F1.2
SNR / WDR	≥ 50 db (AGC Off) / ≥ 80 db
Operating Temperature	32°F ~ 122°F / 0 °C ~ 50°C
Operating Humidity	5 ~ 90% RH
Weight	Net : 4.62 lbs (2.1 Kg) / Gross : 5.5 lbs (2.5 Kg)
INTERFACE	IPC OUT (RJ-45 x 1), Alarm OUT x 1, Wiegand OUT x 1 (WG26 or WG34 selectable)
Safety & EMC Certification	CE / FCC / ROHS
Electrical Ratings	DC 12V, 3.0 A (AC100 ~ 240V[50/60Hz])
Power Consumption	≤ 20 W
Accessories	Power Supply & Cable, User's Manual, Software CD

ViewZ

TROUBLESHOOTING GUIDE

- Check the following before calling for service.
- If the same problems continue after checking, contact the reseller you purchased the monitor from.

At start	We recommend that you test with different input sources when you have trouble with the current input source. If symptom persists, follow the instructions below. After following the instructions below, please contact us at 1-888-99-VIEWZ.
No detection of face	- Adjust the value of Smart Face and FA Black & Alarm on page 16 & 18 - Check the 'Matching mode' on page 18 - FA Black & Alarm
No detection of mask worn	- Check the 'Mask detect' is on or off on page 18 - FA Black & Alarm - Check the 'Matching mode' on page 18 - FA Black & Alarm
No detection of abnormal temperature	- Adjust the value of Tmperature threshold on page 18 - FA Black & Alarm - Check the 'Matching mode' on page 18 - FA Black & Alarm
No image or Noise on the screen	- Make sure the power cable is correctly plugged into the outlet - Make sure the power cable is correctly plugged into the monitor - Check brightness and see if brightness is set to 'Ø'
Incorrect display or Half display	- Check your camera video setup on page 30 - Restore to the factory default based on page 23
Flickering and shadow image	- Check your camera video setup - resolution and phase (Hz)
The audio function is not working	- Check the audio setup on page 26
LED is flickering or no image	- Check the cable connection and make sure it's plugged in correctly - Check the camera video setup - Restore to the factory default based on page 23

TERMS OF WARRANTY / RMA

- The warranty period for this monitor is 1 year. The warranty will be voided for the scenarios listed below.
- You can also download the manual and information at VIEWZ web site: VIEWZUSA.COM

Cases of Non-Warranty Coverage	When power feed to the monitor exceeds capacity and causes damage
	Accident, Abuse, Misuse, Neglect, Fire, Water/liquids, Lightning or any act of nature
	Damaged by dropping, throwing and hitting the monitor
	Failure caused by users attempt to modify the product
	Failure by limited life of parts such as LED Lamps and any other consumables
	Damaged by using third party power cable, unstable power input and electric shock

* Above information can be changed without notification - please check our website or contact ViewZ representative for latest RMA service policy.

* When shipping the monitor for RMA, make sure to pack safely to ensure the monitor is not damaged during shipping.

WARRANTY

ViewZ USA
LIMITED 1 YEAR WARRANTY

What and Who is Covered by this Limited Warranty and for How Long
ViewZ USA warrants this product to be free from defects in material and workmanship for 1 years to the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

What ViewZ USA Will Do
At the sole discretion of ViewZ USA, ViewZ USA will repair or replace any product or product part that is defective. If ViewZ USA chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

What is Not Covered; Limitations
ViewZ USA disclaims any liability for damage to mounts, adapters, displays, projectors, other property, or personal injury resulting, in whole or in part, from improper installation, modification, use or misuse of its products.

ViewZ USA disclaims all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. ViewZ USA is not responsible for incidental or consequential damages, including but not limited to, inability to use its products or labor costs for removing and replacing defective products or parts. Some states do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion many not apply to you.

What Customers Must Do for Limited Warranty Service
If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to ViewZ USA Customer Service at 1-888-998-4399. Warranty claims will not be accepted over the phone or by fax.

> ViewZ USA
> Attn: Warranty Claim
> 177 W. Orangethorpe Ave.
> Placentia, CA 92870

How State Law Applies
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Disclaimer

ViewZ USA intends to make this manual accurate and complete. However, ViewZ USA makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this monitor. The information contained in this document is subject to change without notice or obligation of any kind. ViewZ USA makes no representation of warranty, expressed or implied, regarding the information contained herein. ViewZ USA assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

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