



WT-V900

Installation Guide

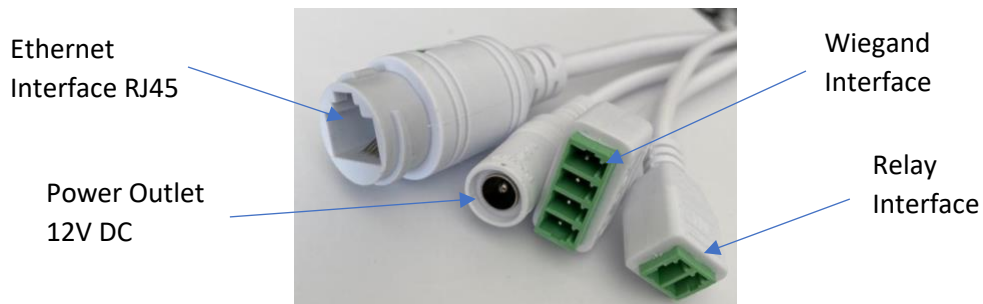




1. Connectors and Interfaces:

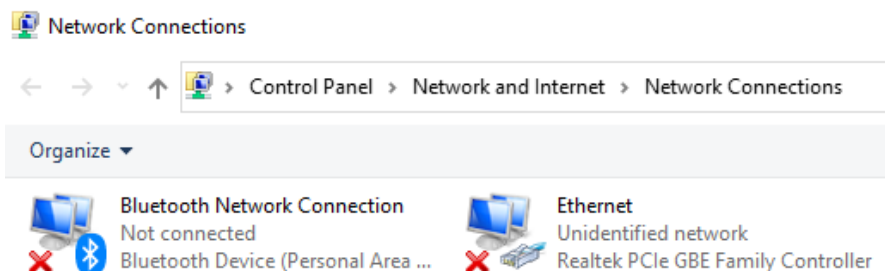
The terminal comes with following connectors:

- a) Power 12V DC
- b) Ethernet RJ45
- c) Relay Interface:
 - + NO Normalz open port
 - COM common port
- d) Wiegand Interface:
 - 1: Null
 - 2: Wiegand protocol data port D1
 - 3: Wiegand protocol data port D0
 - 4: GND

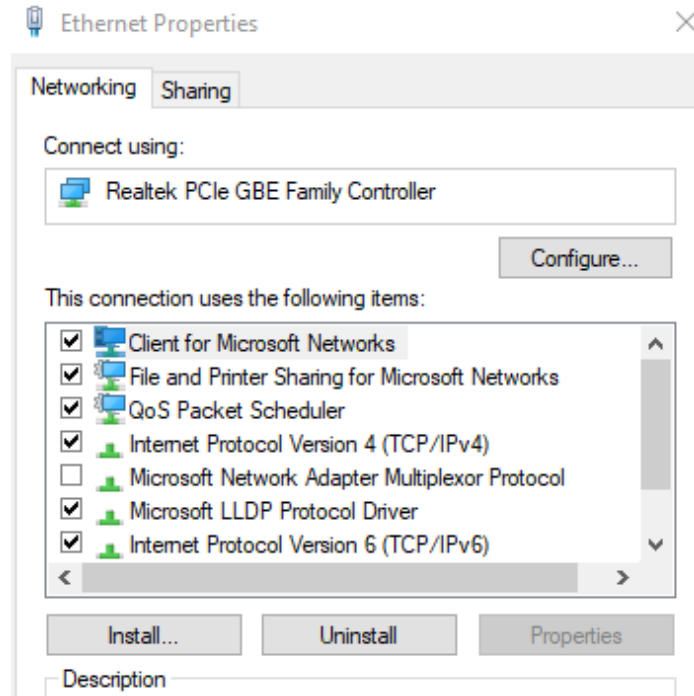


2. Connecting the Terminal with a PC:

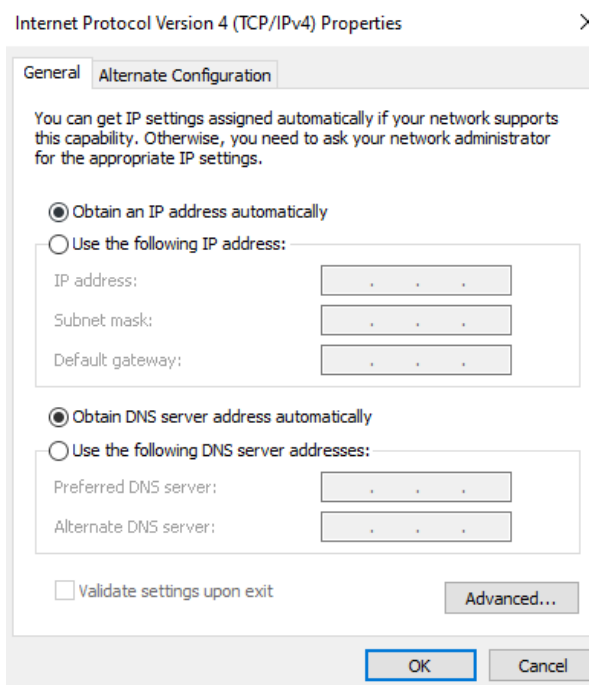
- a) Connect the terminal with “power supply” (provided with the Terminal). The terminal will turn ON and video stream can be seen on the screen.
- b) Connect the Terminal with a PC via Ethernet cable (not provided with the Terminal).
- c) The Terminal carries the IP 192.168.1.18
- d) On your PC go to Control Panel > Network and Internet > Network Connections



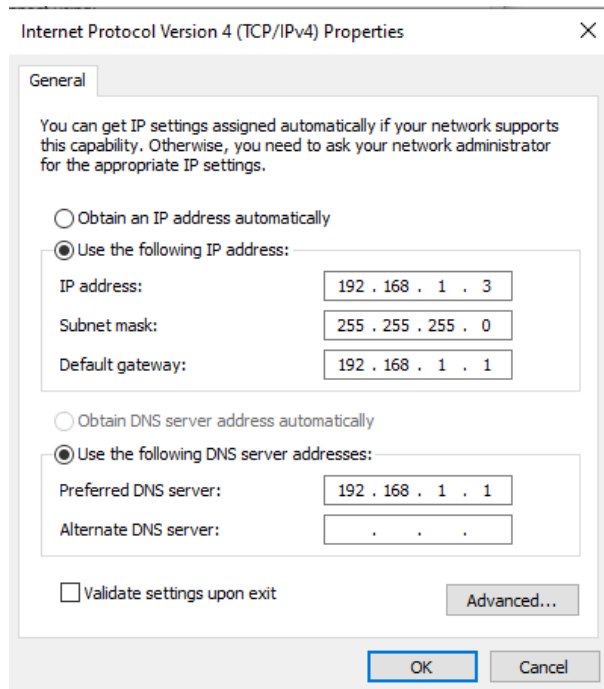
e) Open Ethernet by double clicking and click Properties



f) Double click Internet Protocol Version 4 (TCP/IPv4)



g) Click Use the following IP address and feed-in the IP as mentioned below.



Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 1 . 3

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 1 . 1

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: 192 . 168 . 1 . 1

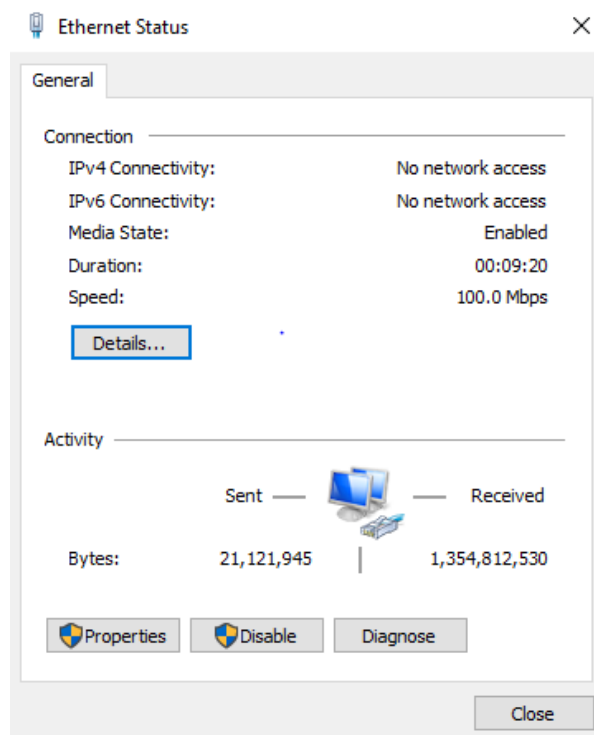
Alternate DNS server: . . .

Validate settings upon exit

Advanced...

OK Cancel

h) Click OK and close the Ethernet status



Ethernet Status

General

Connection

IPv4 Connectivity: No network access

IPv6 Connectivity: No network access

Media State: Enabled

Duration: 00:09:20

Speed: 100.0 Mbps

Details...

Activity

Sent — Received

Bytes: 21,121,945 | 1,354,812,530

Properties Disable Diagnose

Close



The terminal is now connected to the PC.

3. Install the Access Control Software on PC:

The Access Control Software comes in a USB provided with the Terminal.

a) Double click the Application file

Name	Date modified	Type	Size
✓ Access control software_V1.1.32.M	2020-09-07 11:56 AM	File folder	
✓ image	2020-09-07 3:36 PM	File folder	
✓ Translator	2020-09-06 11:31 AM	File folder	
Access control software_V1.1.32.M	2020-05-15 3:49 PM	Application	864 KB

b) Log-in credentials are:

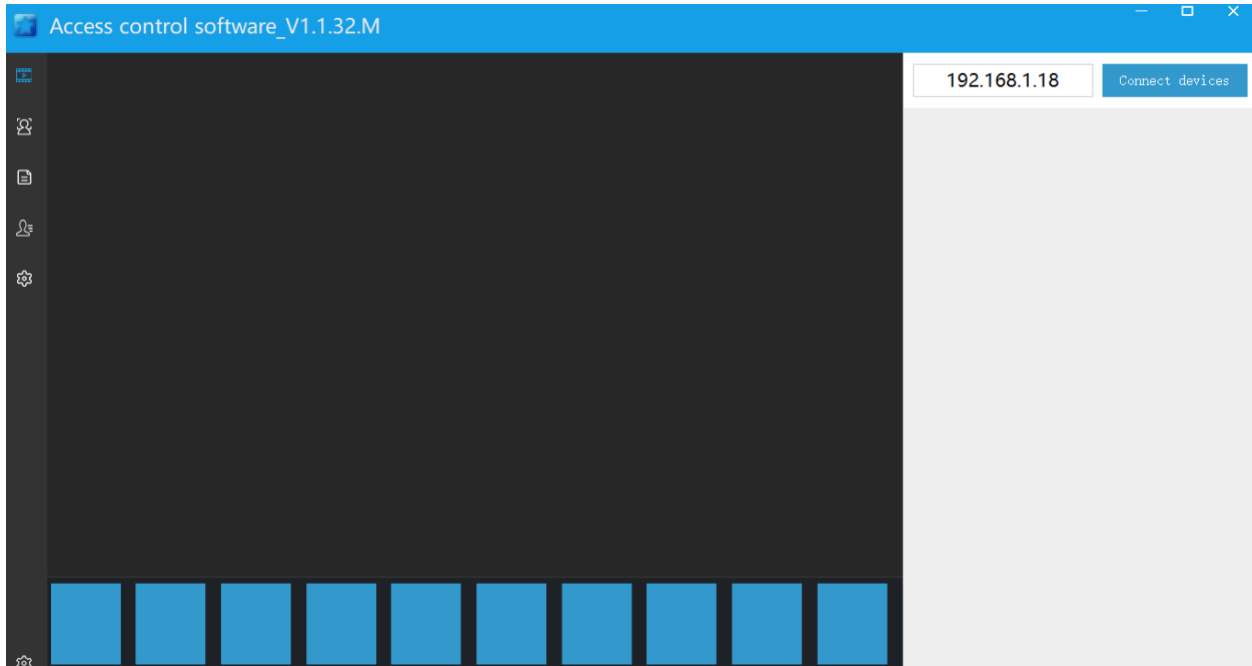
Username: admin

Password: 12345

Password is default and can be changed in Settings

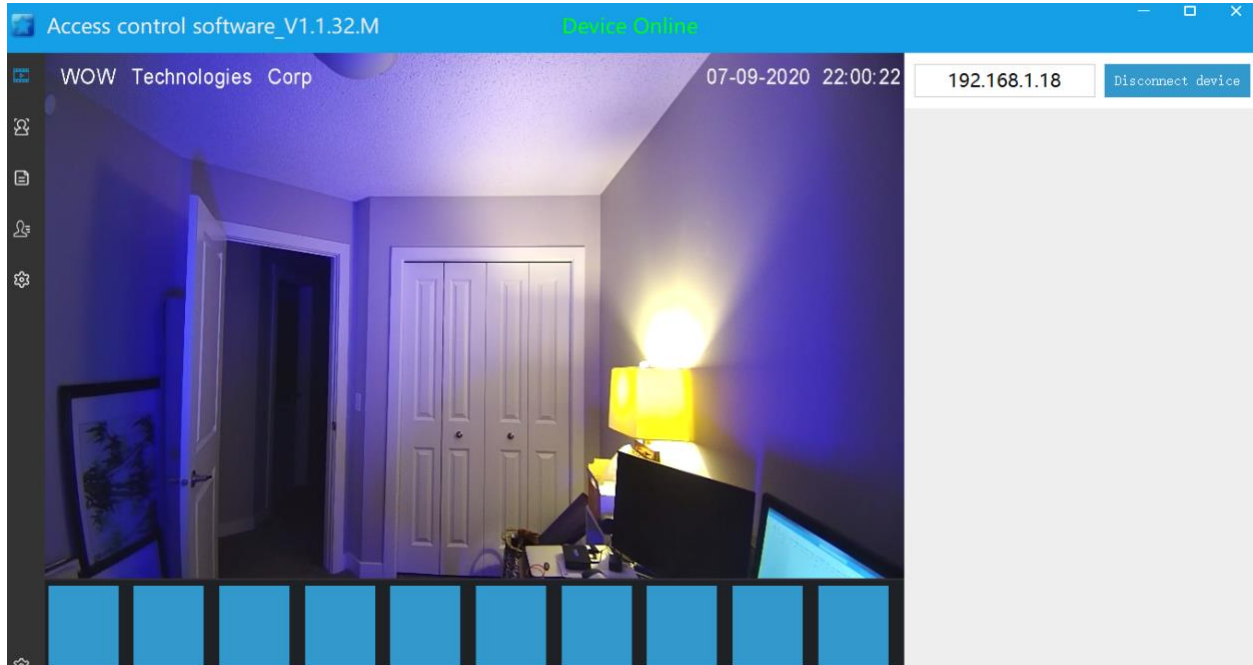


- c) Below screen will appear. Make sure that the default IP of the camera is 192.168.1.18.
Click "Connect devices"










d) Live camera feed will be shown on the screen.




The Terminal is now connected with PC and live to make any settings required.

4. Explaining the right navigation bar




The right navigation bar has the following functions:

-  Real Time Mode (as shown above)
-  Data Management
-  Log View
-  Visitor's Log View
-  Parameter Configuration



a) Data Management: 

Click the Data Management icon on the left navigation bar to create and manage data, employees' profiles, time allocation for employees, importing and exporting data base and other features.

ID	Name	Gender	Age	List the type	
1	Bilal Tanweer	Man	48	white list	 Modify Delete
2	Saira	Woman	40	white list	 Modify Delete
3	Zoya Aroush	Woman	3	white list	 Modify Delete

Previous Page

Next Page

1 Go to

Add

Delete All

Import One

Import picture

Export picture

Sync face info

Sync face picture

Export database

Import database

b) Log View: 

The Log View shows all the details as of when a person (who is registered in the data management) appeared before the Terminal. It shows the name, date & time, temperature, if the person was wearing a mask and event (recognized and passed). The data can be exported into Excel.

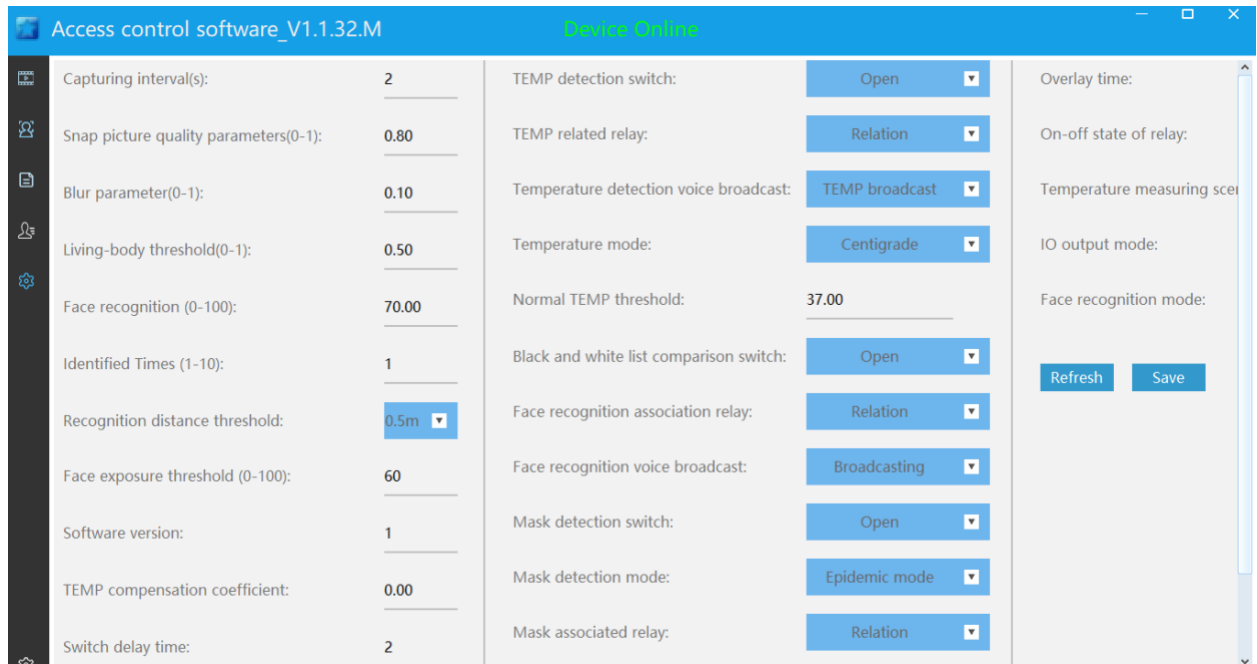
ID	Name	Time	Temperature	Wear a mask	Event description
0004	Asim Muhammad	2020-09-07 13:48:08	0.0°C	No	Recognized and Passed
0004	Asim Muhammad	2020-09-07 13:48:19	36.4°C	No	Recognized and Passed
0004	Asim Muhammad	2020-09-07 13:48:30	36.5°C	No	Recognized and Passed



c) Parameter Configuration:



Here all the parameters can be set as per the requirement.



Capturing interval: Set the face capture interval to avoid repeated snapping of pictures in a short time.

Snap picture quality parameters: Set the quality of the captured picture. 0 is the worst and 1 is the best.

Blur parameter: Set the sharpness of the captured picture. The range is 0-1. The smaller the value, the clearer it will be.

Living-body threshold: Set the face recognition biometric threshold, 0-1. The larger the value, the stricter and more secure the biometric detection.

Face recognition: Set the threshold for face recognition matching, compare the captured face picture with the face database, and the similarity exceeds this threshold, that is, the same person is identified. The threshold is recommended to be set above 70.

Identified times: Set the number of times that the face is repeatedly recognized within the



camera recognition range. After this number of times, the face is no longer recognized. You need to exit the camera's field of view and re-enter the screen to continue recognition.

Recognition distance threshold: Configure distance for start face recognition.

Face export threshold: Set the brightness of the face capture image, the default is 50.

Software version: The factory default configuration version number is displayed and cannot be revised.

TEMP compensation coefficient: In the harsh environment, increase the compensation temperature to improve the temperature measurement accuracy.

Switch delay time: The pulse time (unit: 100ms) of the switch output, The default setting is 2(200ms).

Normal TEMP threshold: Set the temperature alarm value. If the temperature is higher, it indicates that the temperature is abnormal. If the temperature is lower, the temperature is normal.

Black and white list comparison switch: Turn on or off the function of face comparison.

Face recognition association relay: Config the relay action with the face recognition result. When turned on, the face comparison is successful and people is in white list, the relay would close.

Face recognition voice broadcast: Configure the speech broadcast mode of recognition results, including three modes: broadcast, no broadcast and only broadcast exceptions.

Broadcast: if the comparison result is a white list, please pass the voice broadcast. If the comparison result is not a list, then u and voice broadcast are not recognized;

No broadcast: do not broadcast the results of comparative recognition;

Broadcast exception only : When the temperature is higher than the normal value, the voice "abnormal temperature" will be broadcast.

TEMP detection switch: Turn on and off the temperature detection function.

TEMP related relay: Configure whether to associate relays. If the temperature is normal, the relay will close.



Temperature detection voice broadcast: Configure the voice broadcast mode of temperature test results to broadcast only abnormal, not broadcast, and broadcast temperature mode.

- **Broadcast exception only:** if the temperature measurement value is higher than the high temperature threshold, voice broadcast "temperature abnormality" and normal do not broadcast temperature
- **No broadcasting:** Do not broadcast any temperature measurement results
- **TEMP Broadcast:** Broadcast the measured value of temperature, and broadcast "temperature XX °C, temperature abnormal" if it is higher than the high temperature threshold

Mask detection switch: Opening and closing the mask detection function.

Mask detection mode: It can be configured as epidemic mode and non epidemic mode.

Epidemic mode: in this mode, if it is detected that the mask is not worn, the voice will remind "please wear the mask";

Non epidemic mode: in this mode, if it is detected that a person wears a mask, the voice will remind "please remove the mask" to improve the recognition accuracy.

Mask associated relay: Turn on and off the relay associated with the mask test results. In epidemic mode, when the mask is properly worn, the relay will be controlled, otherwise the relay will not be controlled.

Mask detection voice broadcast: Configure the mask reminder broadcast mode to broadcast exceptions only and not broadcast.

Only report exceptions: in epidemic mode, "please wear a mask" will be broadcast without wearing a mask, otherwise, **no warning will be broadcasted**; in non-epidemic mode, "please take off the mask" will be broadcast without wearing a mask.

Overlay time: On, the current time of the device is displayed on the screen; off, the device time is not displayed on the screen.

Temperature mode: Configure temperature units. It can be configured as two temperature units: Celsius and Fahrenheit.



Refresh: Click the button to obtain the configuration from device

Save: Click the button to send configuration information to the device and save

Capturing Intervals: Set the face capture.

5. Further Settings

Further setting can be performed as below:

Open Internet Explorer and write the IP address on the address bar. A window will pop up asking for username and Password. Keep the password field empty and for username type: admin and click ok.

Below interface will appear where each Administrator can set the parameters.

Megapixel IP Camera			
Browse	Setting		
System	System	Time	Advanced
Network	Basic information		
Camera	Version:	V1.04.00-200628	Time zone: GMT-06:00
Video&Audio	Product info:	IPA-D1B2A8A series	SerialNum: 071D3E4E6535
Manage Users	ID:	042067102056	
Log	Network settings		
Face Detection	MAC address:	00-2A-2A-43-66-38	IP address: 192.168.1.18
	Default gateway:	192.168.1.1	Subnet mask: 255.255.255.0
	Alarm settings		
	Alarm server 1 IP:	0.0.0.0	
	Alarm server 2 IP:	0.0.0.0	
	Alarm server 3 IP:	0.0.0.0	
	NTP settings		
	NTP server :	192.168.1.100	
	video settings		
	<input type="checkbox"/> Public video parameters:		
	Brightness:	150	Contrast: 128
	Saturation:	128	Sharpness: 128

Set the parameters as per your requirements.



www.wowtechnologies.ca