Yates Protect

Y- Q9

TEMPERATURE AND FACIAL RECOGNITION SCANNER

Yates Protect Y-Q9 User Manual

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Compliance Information

Introduction
Thank you for choosing Yates Protect. This user manual is intended for users of the Y-Q9 temperature and facial recognition scanner and includes instructions on how to use the product. Read this user manual carefully before using the device and keep this manual for future reference. The software embodied in the product is governed by the user license agreement covering that product.

Privacy Notice
Surveillance laws vary by jurisdiction. Before using this product for surveillance purposes check all relevant laws in your jurisdiction to ensure that your use of this product complies with all applicable laws and regulations. Please refer to the product specifications for camera parameters and functions.

Disclaimer
This manual is for reference only and was last updated on 8/17/20. The content is subject to change without notice. All information in this booklet has been thoroughly reviewed but may still contain errors. Yates Protect is not liable for damage caused by improper use of this device.

Regulatory Information

FCC Caution
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 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 technician for help

RF Warning
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 7.8 inch (20cm) between the radiator & your body.

WARNING: Installation and servicing should be performed only by qualified and experienced technicians to conform to all local codes and to maintain your warranty. **WARNING:** This device is configured for 12V DC operation only. Do not connect to a higher voltage. Use only with NRTL approved Class 2 or LPS power supplies. To prevent potential ground loop issues, a separate PSU should be used for each camera. A multiple- output PSU ma be used if the multiple output PSU has isolated and protected (2A max) outputs.

Open Source Software
If you want to receive the complete corresponding source code, we will provide you and any third party with the source code of the software licensed under an open source software license, if you send us a written request by email to the following address:

- Email: support@yatesprotect.com

Important Safety Instructions

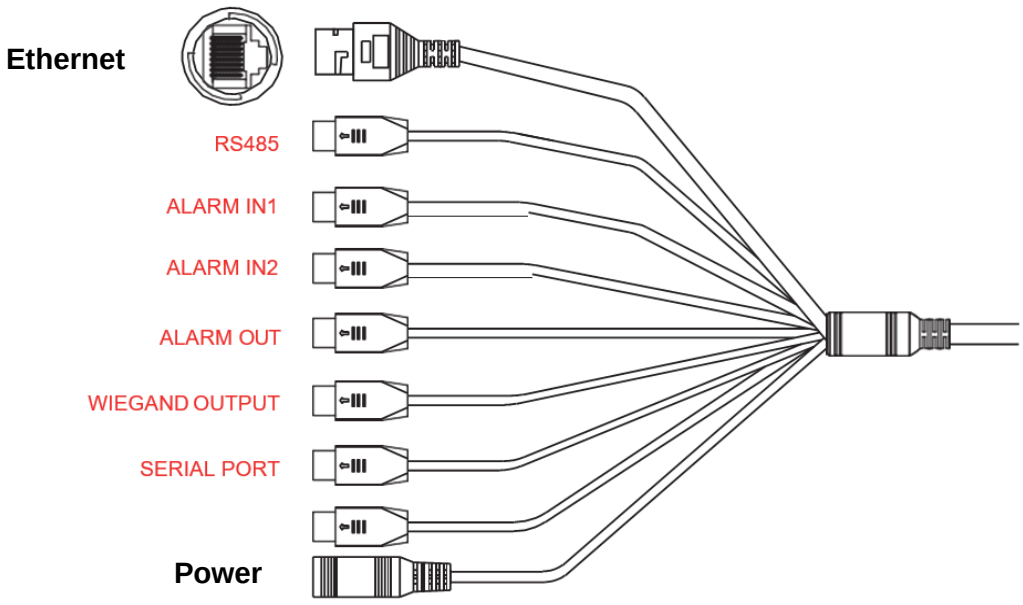
- Read and keep these instructions
- Ensure that your installation area can safely support 3 times the weight of the camera
- Do not install the camera in extreme temperature conditions. Only use the camera where temperatures are within the limits shown in the camera specifications. Be especially careful to provide ventilation when operating under high temperatures
- Do not install cameras where they will be exposed to rain or moisture
- To prevent damage to the imager, do not aim the camera toward an extreme light source
- Do not touch the camera lens, dome or bezel (front glass plate)
- Do not drop the camera or subject it to physical shock
- Do not use strong or abrasive cleaners, clean only with a soft cloth and mild detergent or alcohol
- Do not open the camera or attempt to service it yourself. Refer all service issues to support@yatesprotect.com

Product Features

Smart access control terminal

This smart access control terminal combines infrared temperature measurement with 3-in-1 facial recognition.

Smart access control terminal cable



Product Installation

Before you start:

NOTE: Pictures shown in this manual are for reference only, models may vary

1. Make sure all of the assembly parts are included and the device is in good condition
2. Make sure that all related equipment is powered-off during the installation
3. Be sure the environment falls within the device specifications
4. Ensure the power supply voltage matches your device requirements or damage may result
5. Make sure the installation surface is strong enough to withstand three times the weight of the device with its mounting accoutrements
6. If the installation surface is concrete, you may need to insert expansion screws before you install the device
7. If the installation surface is wood, you may use self-tapping screws to secure the device
8. If the product does not function properly, please contact support@yatesprotect.com
9. Do not attempt to repair or maintain this device by yourself

Yates Protect

Y- Q9

TEMPERATURE AND FACIAL RECOGNITION SCANNER

Quickstart Guide

1) Select a location for your Yates Protect Q9 facial recognition and thermal scanner

A good location will be near an entrance and an electrical outlet, with enough space for a socially-distanced line to form

2) Attach Base to Pedestal

Use appropriate Allen wrench and install the two ½ screws from the bottom of the base into the pedestal through the holes in the base (see A on right for location)

3) Install Display

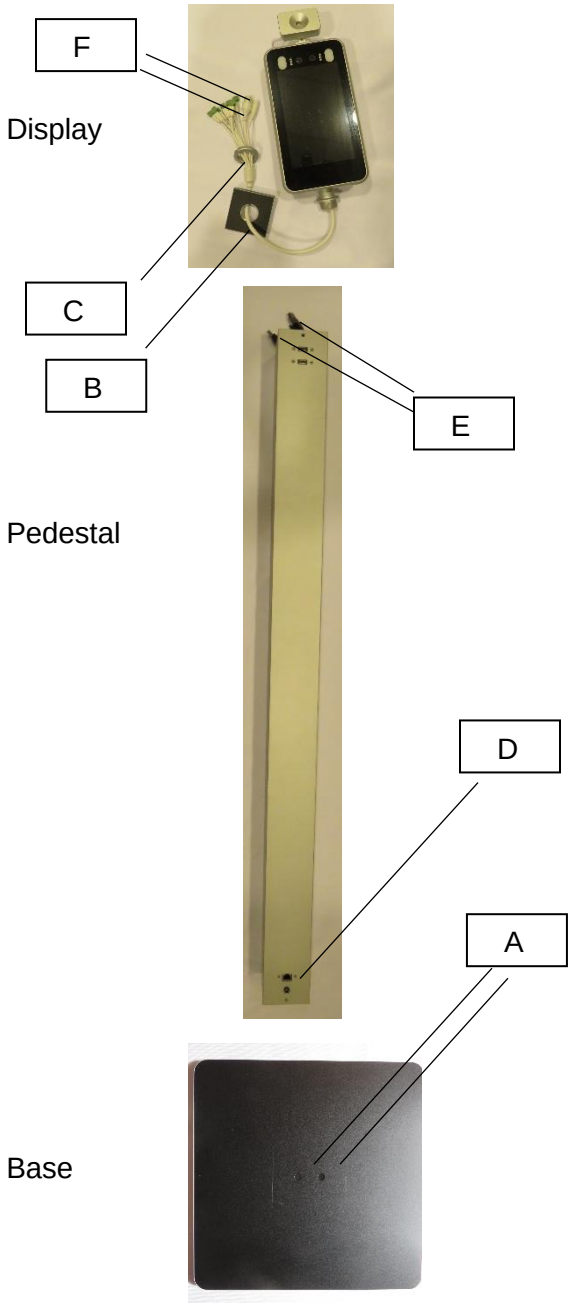
Thread Display cords through square Pedestal cover (B) and washer (C) as pictured. Connect ethernet and power cables coming out of the bottom of Display (D) with ethernet and power cables in Pedestal (E)

Use included Allen wrench to secure Display to Pedestal with four ½ inch screws

4) Plug included electrical cord at the bottom of the Pedestal (D) into an outlet and wait one minute

Your Yates Protect Q9 is ready to start scanning

Included Components



All Other Included Equipment

Allen wrench (2)

½ inch screws (2)

¼ inch screws (4)

Electrical Cord

Equipment Operation

Normal Operation

1. Connect the device to the network and power supply
    a. The IP Address will display on the screen
    b. Access the device using the IP Address displayed on the screen by the web browser
    c. The default password to the admin screen is admin
2. Go to **Intelligent Analysis -> Face Detection -> Basic**
    a. Under Detection mode, check **Temperature Detection** to turn on the function
    b. You can change the unit of measure between Fahrenheit and Celsius and set the Alarm temperature in this setting

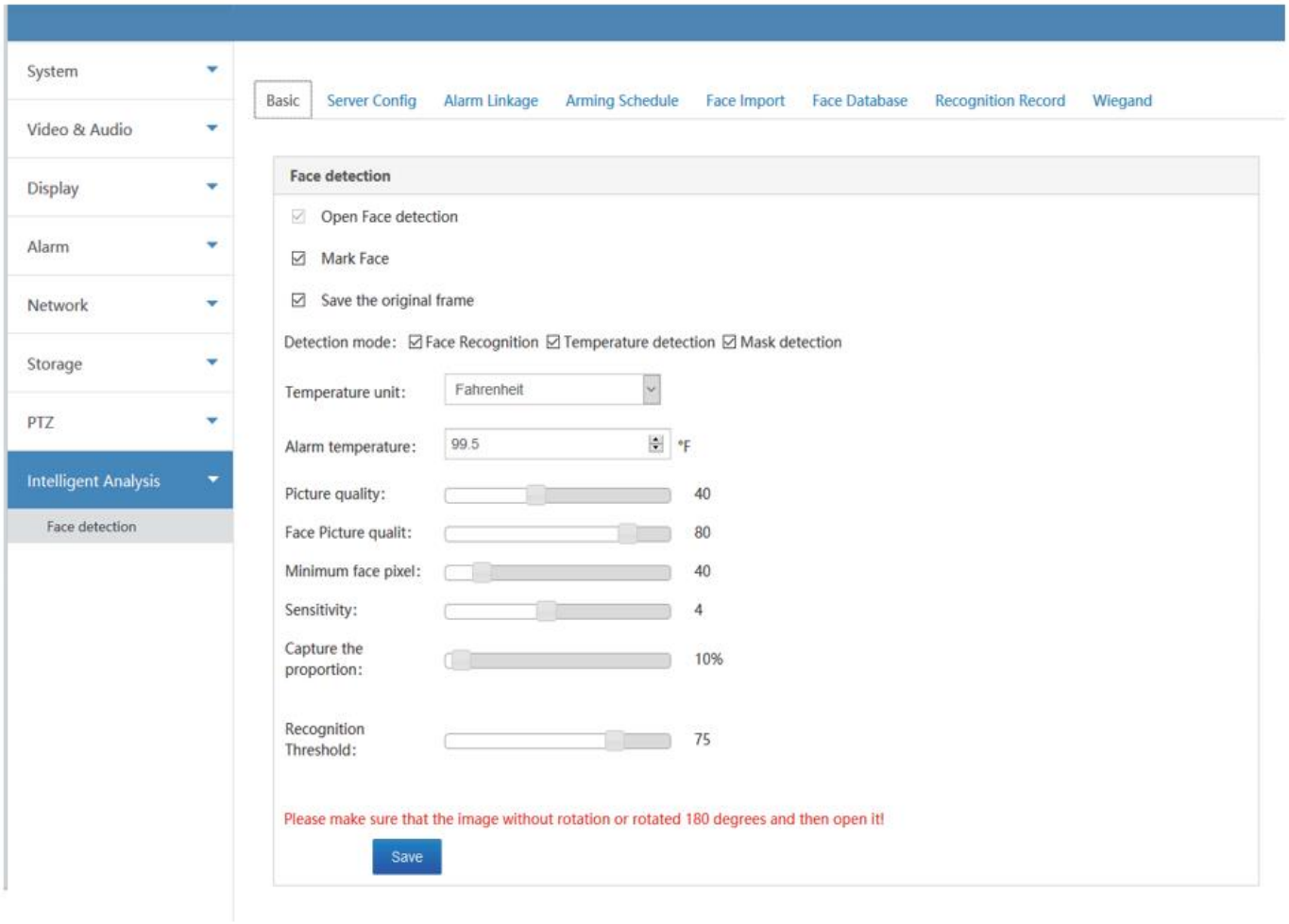
    NOTE: The three detection modes can be used together, (Face Recognition, Temperature detection, and Mask detection)

3. Place your face in the detection frame to measure your temperature
    a. The specific temperature is displayed during the recognition check
    b. The voice will announce Normal or Abnormal Temperature

4. Go to **Intelligent Analysis -> Face Detection -> Recognition Record**.
    a. The record displays information such as Body Temperature, date and time, and other details

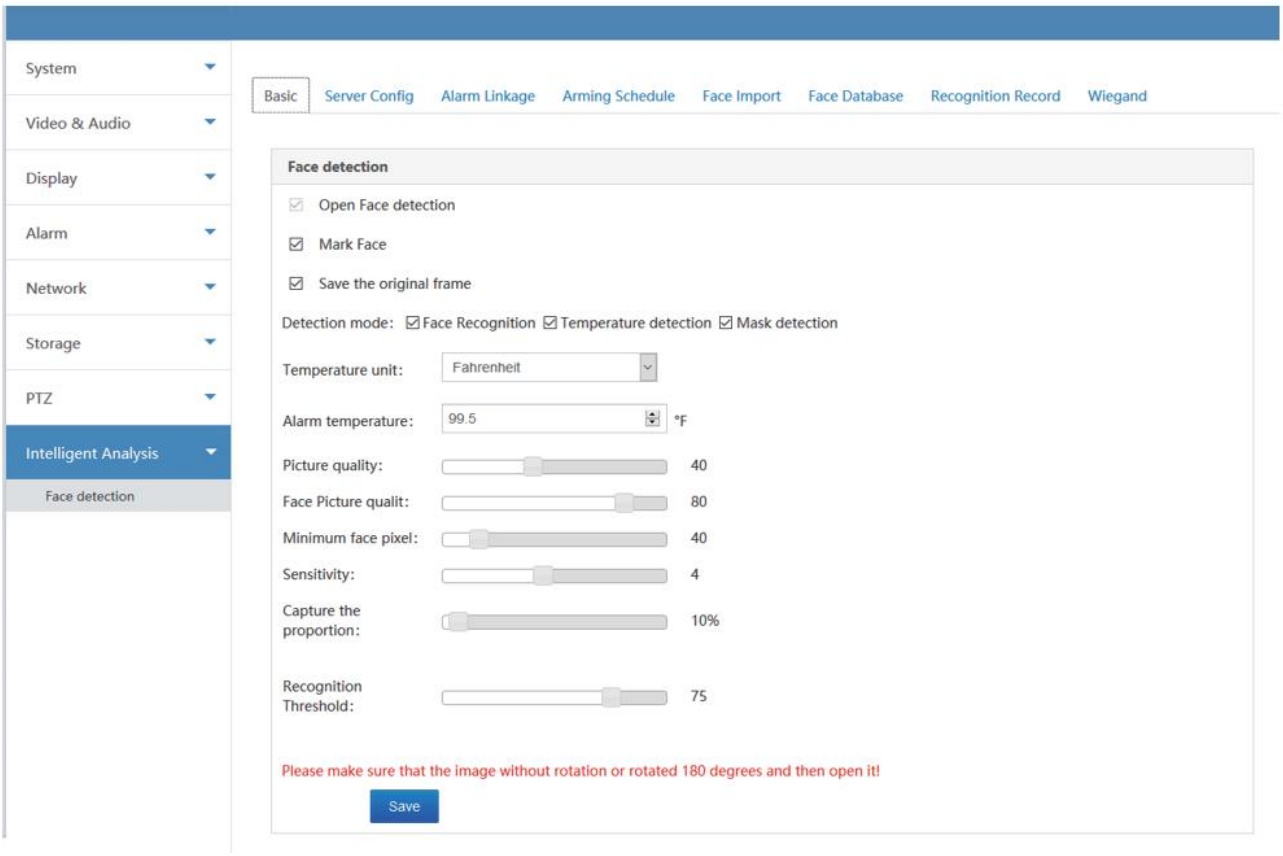
Mask Detection

1. Go to **Intelligent Analysis -> Face Detection -> Basic**
    a. You can check or uncheck the box to enable or disable the Mask Detection function
    b. When mask detection is enabled, it announces persons without masks and restricts entry to that person



Face Detection

1. Go to **Intelligent Analysis -> Face Detection -> Basic**
    a. The Open Face detection is the default setting
    b. You can adjust the other settings as required
    c. We recommend starting the Sensitivity setting at 2 and the Recognition Threshold to approximately 75 then adjust as necessary

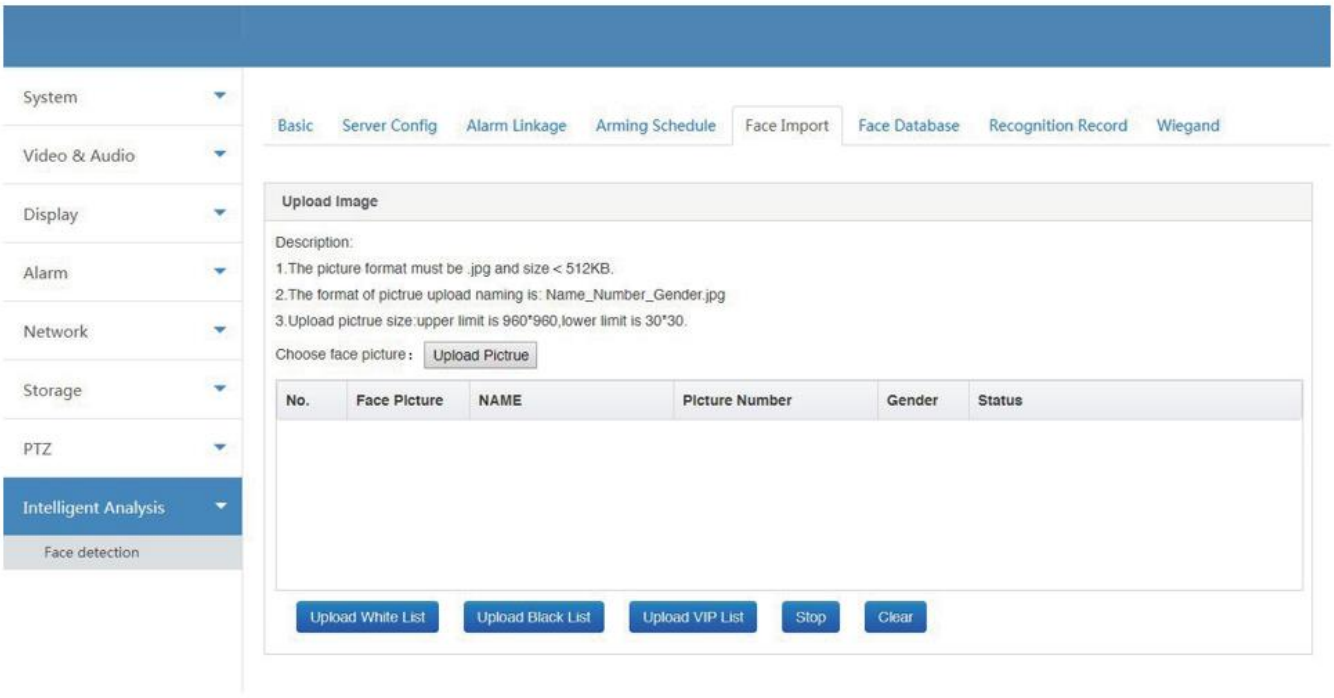


Import Faces

1. Be sure to have your picture files in the following format:
    a. .jpg
    b. equal to or smaller than: 512KB
    c. file name format: name_number_gender.jpg
    d. maximum resolution: 960x960
    e. minimum resolution: 30x30

2. Go to **Intelligent Analysis -> Face Detection -> Face Import**

3. You can import a single image or multiple images at the same time
    a. Click **Upload Picture** and select the images you want to upload
    b. Click **Upload White List**, **Upload Black List** or **Upload VIP List** buttons to upload the faces into the database



Face Database

1. After the images are successfully uploaded, you can View, Edit or Remove the pictures from the database
2. Go to **Intelligent Analysis -> Face Detection -> Face Database**

Recognition Record

1. Go to **Intelligent Analysis -> Face Detection -> Recognition Record**
    a. If the verification is successful, the record displays information such as Body Temperature, date and time, and other details

Firmware Updates

1. Go to **System -> Maintenance**.
2. Select **File Update** as the update method.
3. Choose **Version File** and **Update File** from the directory.
4. Click **Update** to update the device firmware.

NOTE: During the firmware update process, do not interrupt the power or the network. Doing so may cause damage to the device.

Technical Support

If you experience any issues, contact the dealer from where you purchased the device. If your problem still can't be resolved, please send your email address and issue details to our technical support team at:

- Email: support@yatesprotect.com

We welcome your comments and suggestions on how to improve our products.