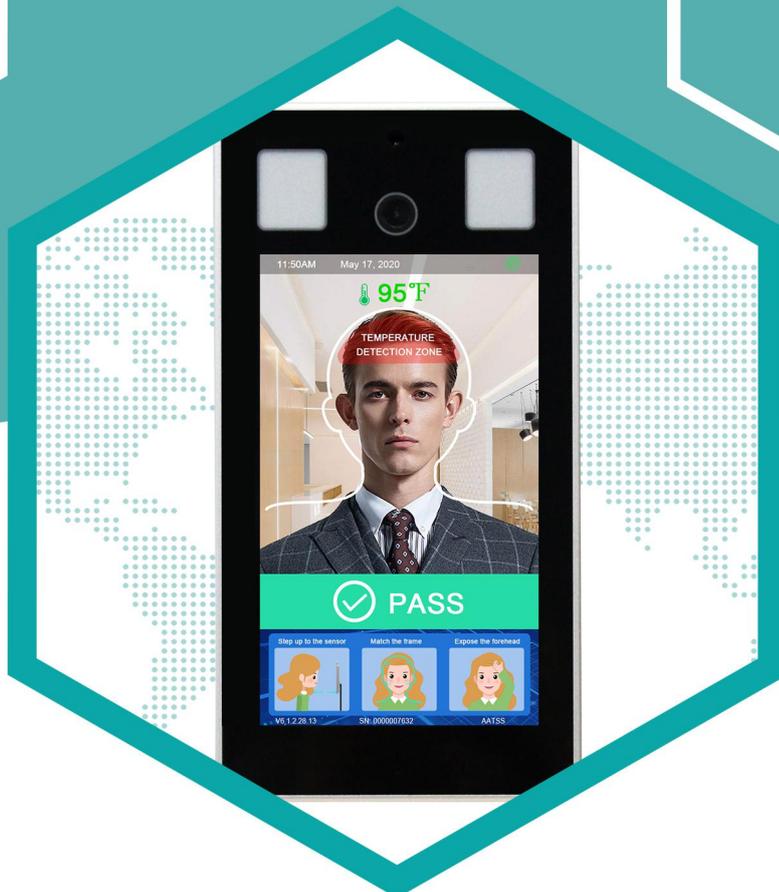
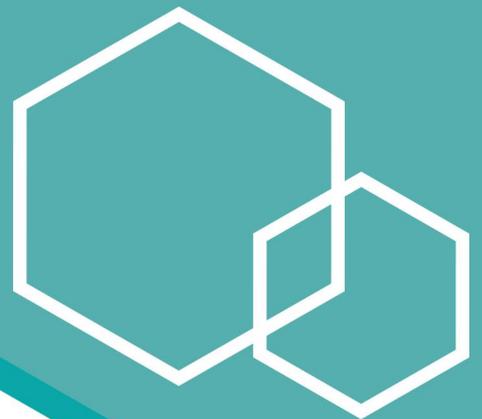


# Automated AI Temperature Screening System (AATSS)

## MODEL V2 LITE USER MANUAL



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JL.

Operation Guidelines

**Notice**

Please follow the recommendations listed below for optimal performance.

Please make sure that the system is deployed in a well-lit area.

Avoid direct sunlight when possible.

Please stay still during the scanning process.

Do not place the unit outside in the rain or inclement weather.

The system detects skin surface temperature, which is typically 1°F lower than internal body temperature.

If you have trouble setting up the device, please refer to tutorial videos located on our website: <https://www.richtech-ai.com/tutorial-videos>

Warranty information can be found at  
<https://www.richtech-ai.com/product-warranty>

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## 1. Introduction

The Automated AI Temperature Screening System (AATSS V2 Lite is your company's first line of defense against COVID-19 and other infectious diseases. As a fully automated system, the AATSS V2 Lite provides extremely accurate temperature readings, immediate temperature alerts through multiple notification channels, and automatically records data for easy recordkeeping and reporting. It can also integrate with access control systems to enforce company temperature, identity, and PPE policies. Those premium functions are based on cloud platform.

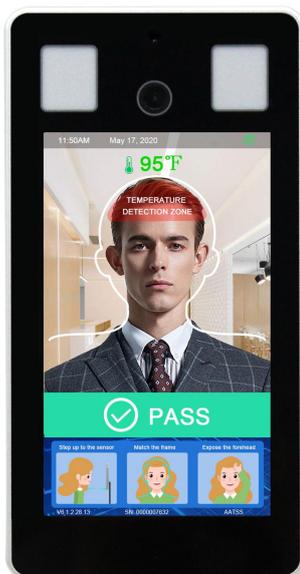
Both the CDC and FDA recommend having routine temperature screening for employees upon arriving at work. When deployed as part of a multilayered preventative response to COVID-19, the AATSS V2 Lite will protect your employees and facilitate the re-opening of your business.

The AATSS V2 Lite is the ultimate all-in-one solution for contactless temperature screening.

### 1.1 Product Overview

#### 1.1.1 Device Structure

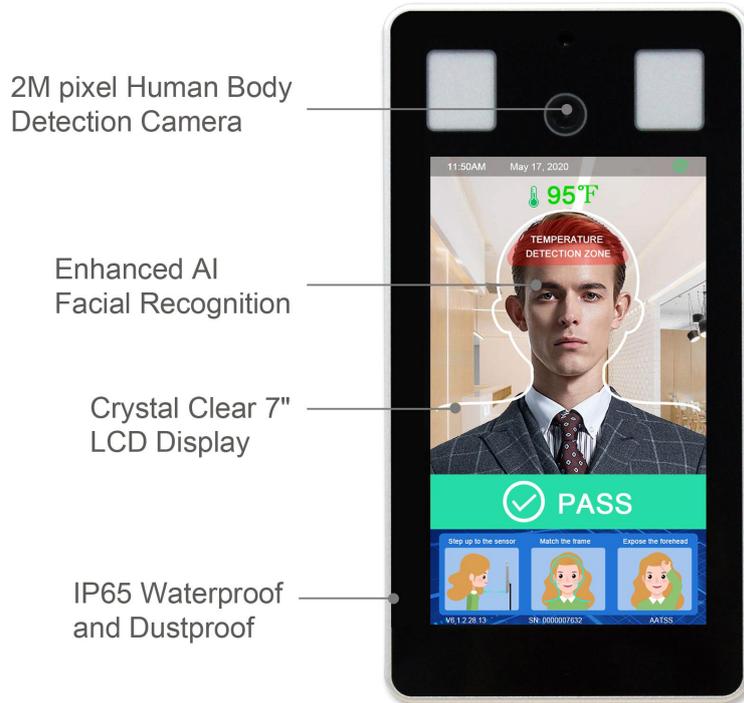
Front view



Side view



### 1.1.2 Screen and Icon



## 1.2 AATSS V2 Lite Installation

### 1.2.1 Table Stand Installation

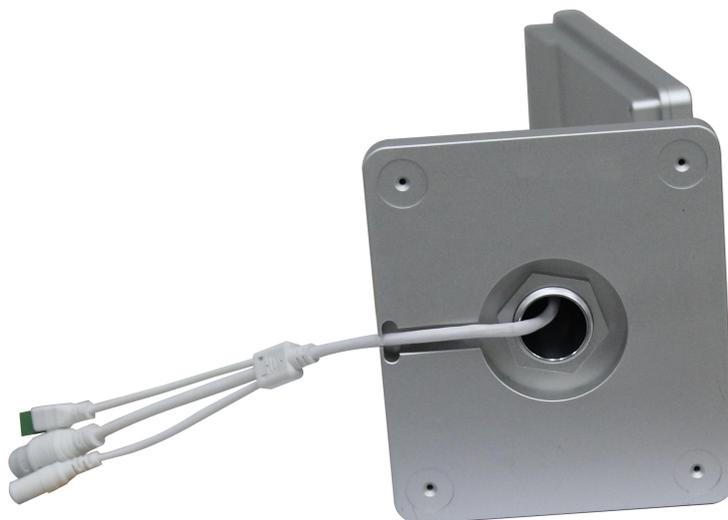
Step 1. Slip the V2 Lite interface cables through the center hole of the Stand Base.



Step 2. Screw the V2 Lite mount into the base stand and secure it from the bottom using the helix nut provided. The mount is meant to be screwed in, not forced in directly.



Step 3. Connect the Ethernet and Power Cable to the Stand Base connectors.



Step 4. Completed installation:



**1.2.2 Display Pedestal Installation**

If you ordered a Display Pedestal, the installation method is very similar to the Table Stand.



Step 1. Open the stand base and use the screwdriver to remove the backside cover.



Step 2. Slip the V2 Lite interface cables through the center hole of the Stand Base.



Step 3. Pass all the data interface cables through the hole in the stand backside cover.



Step 4. Connect the USB, Ethernet, and Power Cable to the Stand Base connectors.



**Step 5.** Screw the V2 Lite mount into the base stand and secure it from the bottom using the helix nut provided. The mount is meant to be screwed in, not forced in directly.



**Step 6.** Secure the backside cover using screws.



Step 7. Upon completing installation, adjust the screen to the side with the blue light bar.



#### Step 8. Power Adaptor Connection and Ethernet Connection

Connect the power supply to the base of the stand. The system will start automatically after powering on; the boot time is about 30 - 40 seconds.

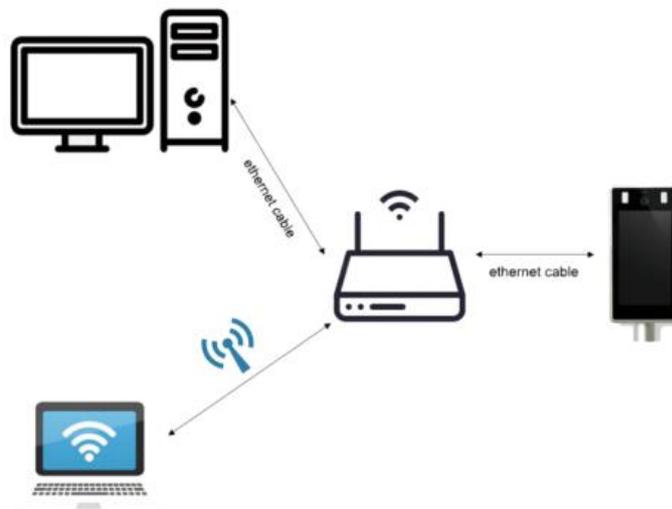
If you need to manage the V2 Lite through a network, connect the base to your router via an ethernet cable. For instructions on how to set up the network, please refer to the following [Software](#) section.

## 2. AATSS V2 Lite Configuration Instructions

Note: We recommend using Windows 10 to manage the AATSS V2 Lite.

### 2.1. V2 Lite – Connect to the Network

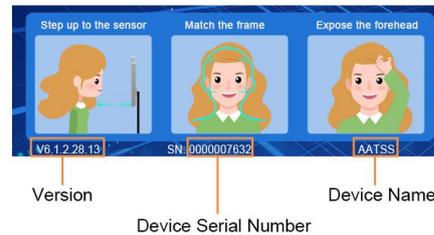
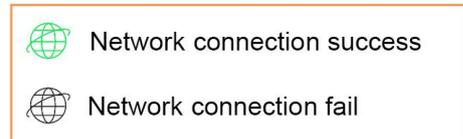
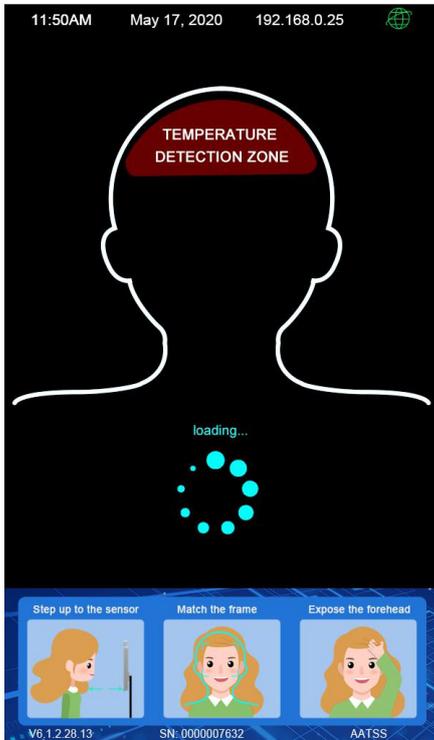
If you need to manage the V2 Lite through a network, please connect the base to your router using an ethernet cable. See below:



If there is more than one network interface card (NIC) in your PC, please choose the same network that connected to your V2 Lite, and disable the other NIC. See below:



The V2 Lite will show the IP address on the screen 20 seconds after the device is switched on. The IP address will be shown for 1 min at most. See the below example where the IP address is 192.168.0.25



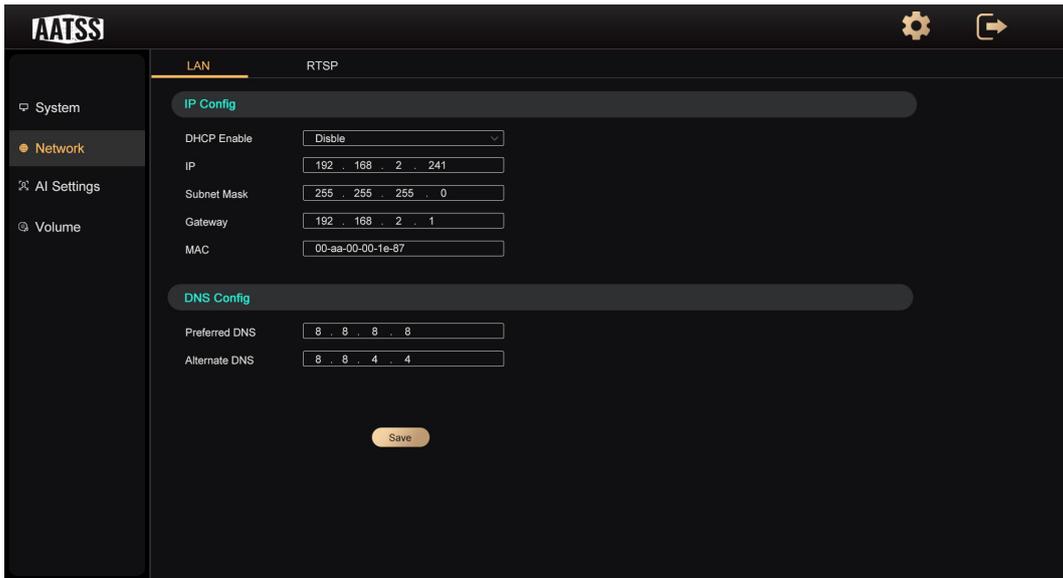
## 2.2 Settings of V2 Lite IP address

Please visit the IP address as shown on your Internet Explorer screen (10 or above), then follow the guide to download the plugin and log in to the web terminal.

Default username: admin

Password: 123456

In Network-> LAN, please select "Close" in DHCP Enable. Then click the "Save" button to save the new settings.



The screenshot shows the AATSS web interface for network configuration. The left sidebar contains menu items: System, Network (selected), AI Settings, and Volume. The main content area is divided into two tabs: LAN and RTSP. Under the LAN tab, there are two sections: IP Config and DNS Config. The IP Config section includes fields for DHCP Enable (set to Disable), IP (192.168.2.241), Subnet Mask (255.255.255.0), Gateway (192.168.2.1), and MAC (00-aa-00-00-1e-87). The DNS Config section includes Preferred DNS (8.8.8.8) and Alternate DNS (8.8.4.4). A Save button is located at the bottom of the configuration area.

The V2 Lite will reboot again, and the IP address will be adjusted to the static IP address, e.g. 192.168.0.25. Gateway is 192.168.0.1

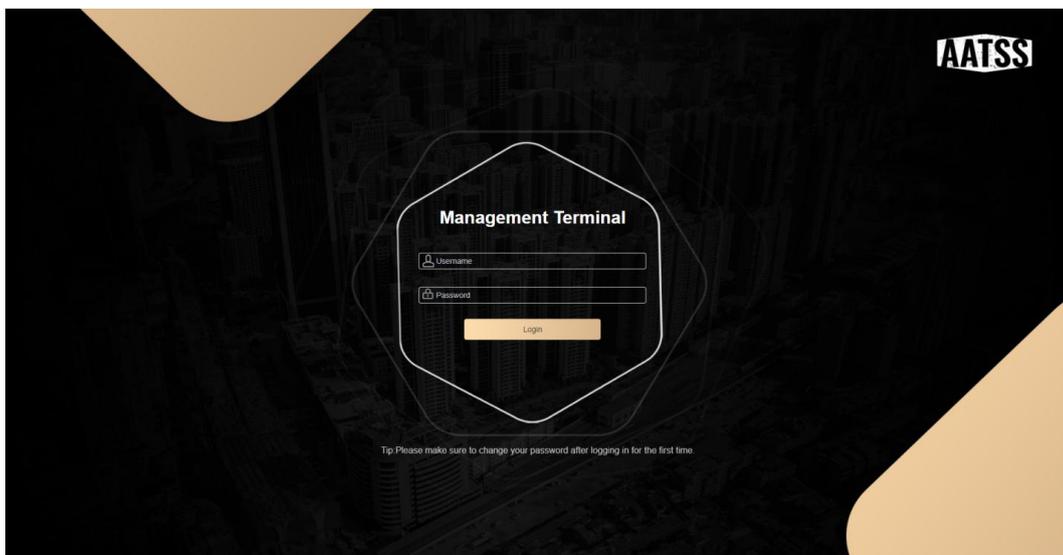
## 2.3 Management Terminal

### 2.3.1 Login interface

When you open the management terminal (web) for the first time, please input the device IP address, e.g. <http://192.168.0.8>

Default username: admin

Password:123456

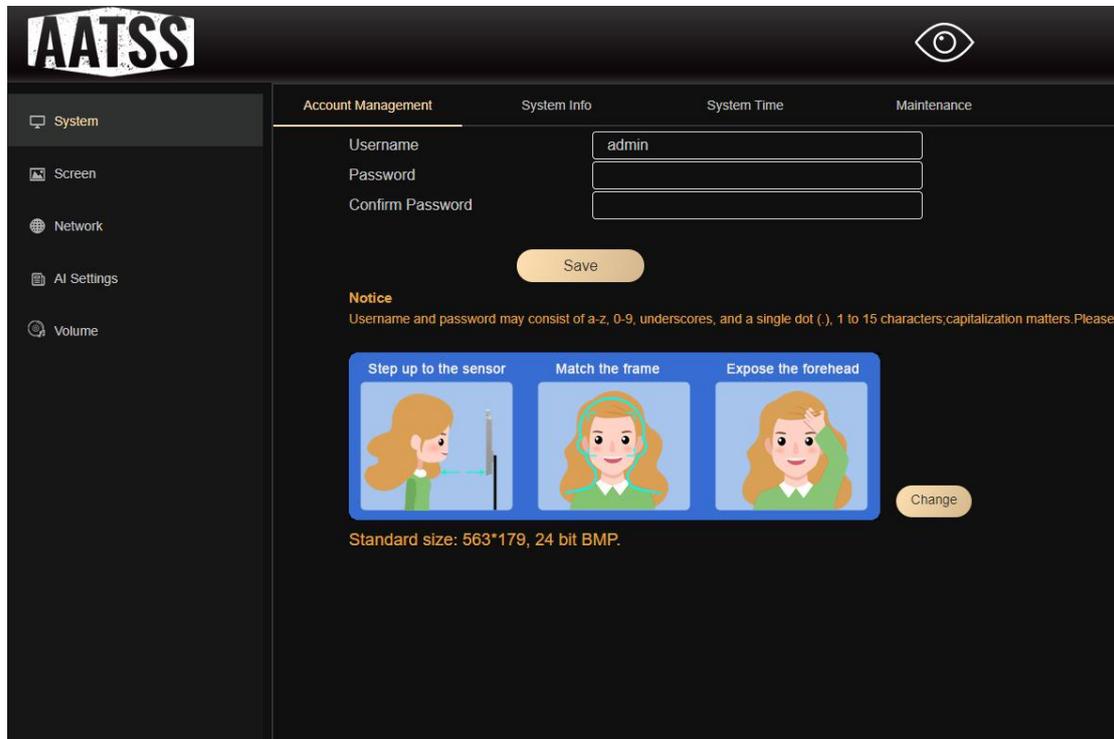


The screenshot shows the AATSS Management Terminal login interface. The background is dark with a faint cityscape. The AATSS logo is in the top right corner. In the center, there is a white hexagonal frame containing the text "Management Terminal". Below this, there are two input fields: "Username" and "Password". A yellow "Login" button is positioned below the password field. At the bottom of the frame, there is a small tip: "Tip Please make sure to change your password after logging in for the first time."

## 2.3.2 System

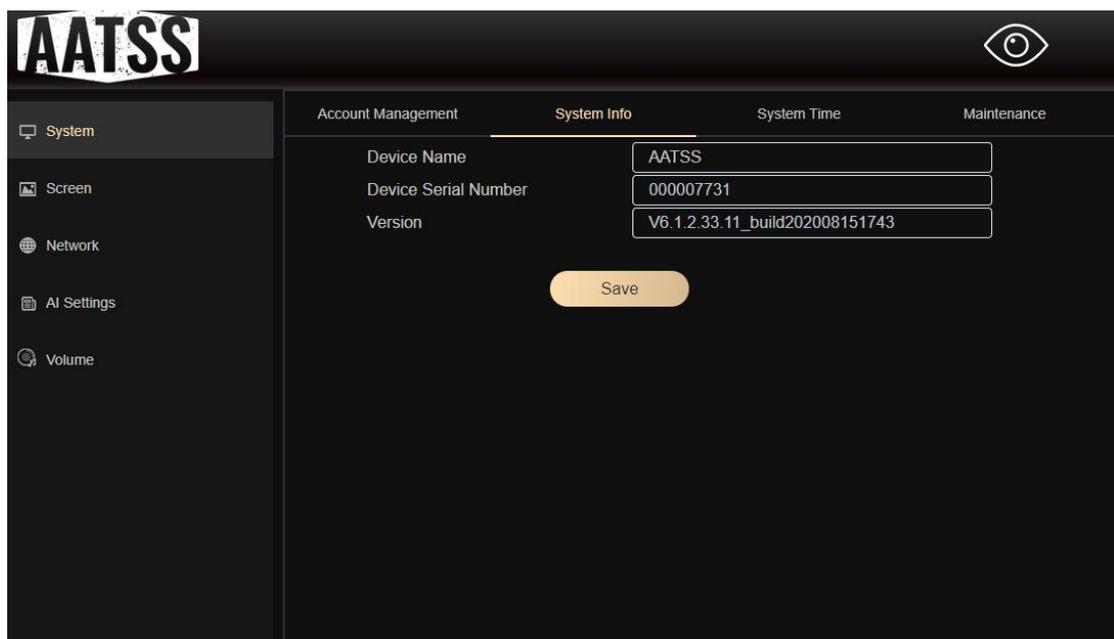
### a. Account management

You may change the username/ password and change the advertisement as needed as follows.



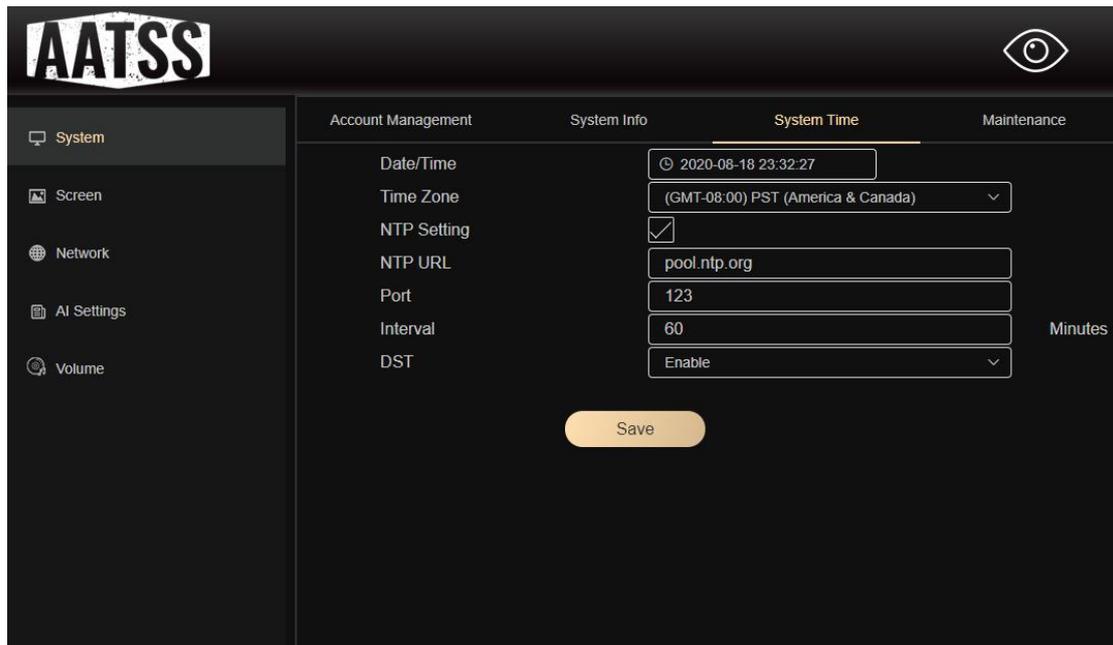
### b. System info

You can get the device information and firmware version.



### c. System time

You can change the time zone and set time preferences.



The screenshot displays the AATSS web management interface. The top navigation bar includes the AATSS logo on the left and an eye icon on the right. Below the navigation bar, there are four tabs: Account Management, System Info, System Time (which is currently selected), and Maintenance. On the left side, there is a sidebar menu with icons for System, Screen, Network, AI Settings, and Volume. The main content area shows the System Time configuration page with the following fields:

Date/Time	2020-08-18 23:32:27
Time Zone	(GMT-08:00) PST (America & Canada) ▼
NTP Setting	<input checked="" type="checkbox"/>
NTP URL	pool.ntp.org
Port	123
Interval	60
DST	Enable ▼

Minutes

Save

### d. Maintenance

In Windows, browsers that are supported are Google Chrome, Firefox and Microsoft Edge.

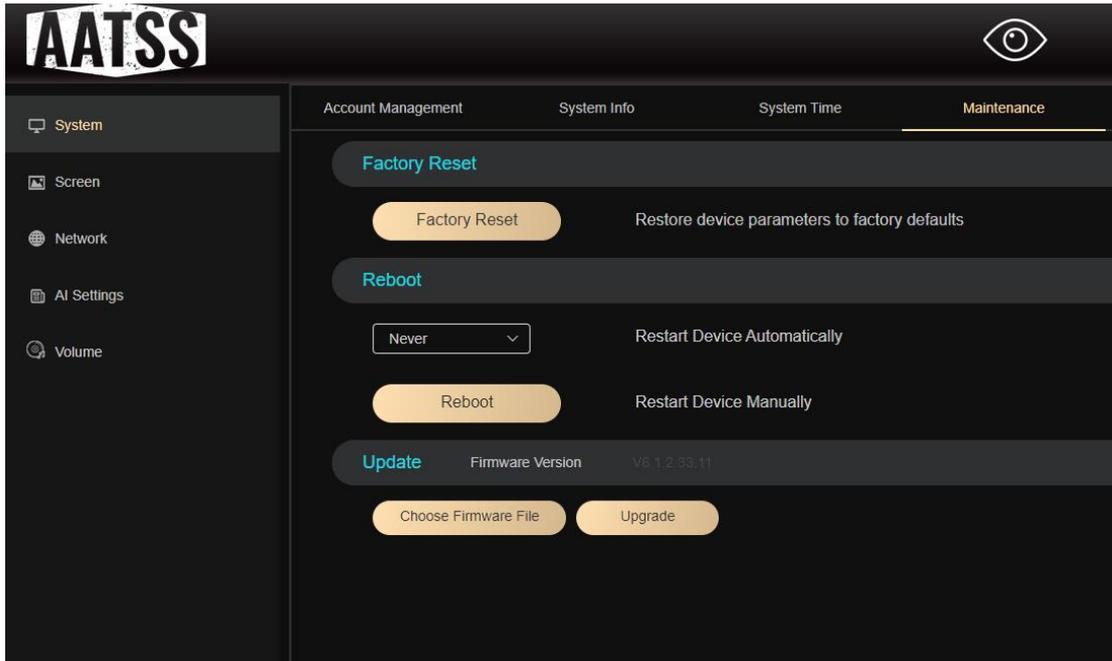
In MacOS, Firefox is supported.

Step 1: Log into the Web Management Terminal and go to "System\Maintenance". Click "Browse" and select the firmware update files), then click upgrade button to upgrade.

Step 2: Click "client upgrade" to update the system.

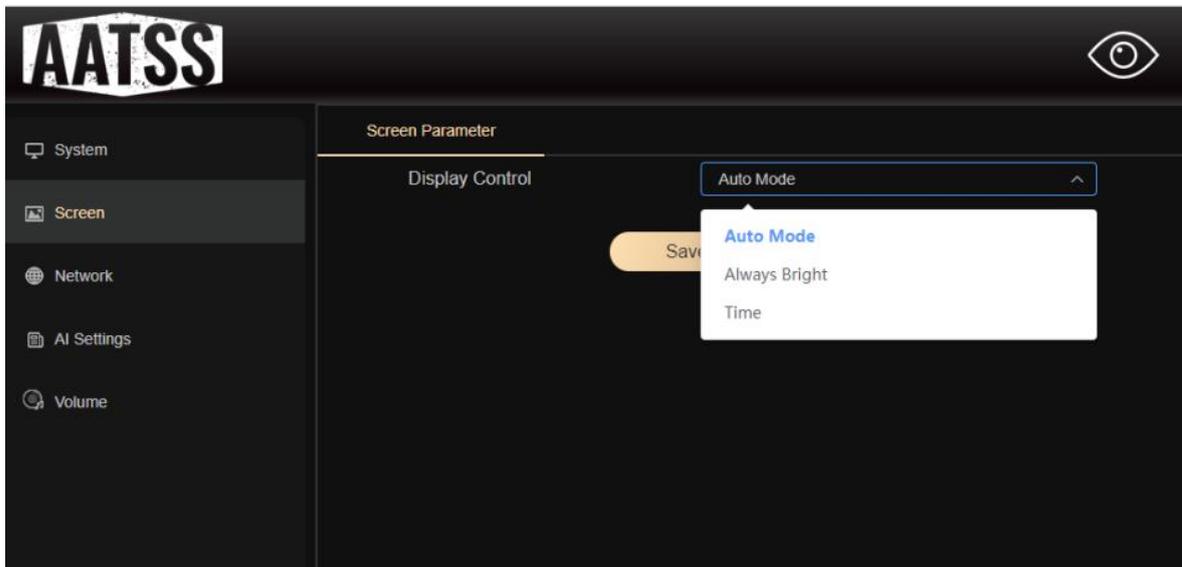
Step 3: Then perform a Factory Reset to restart the system and complete the upgrade.

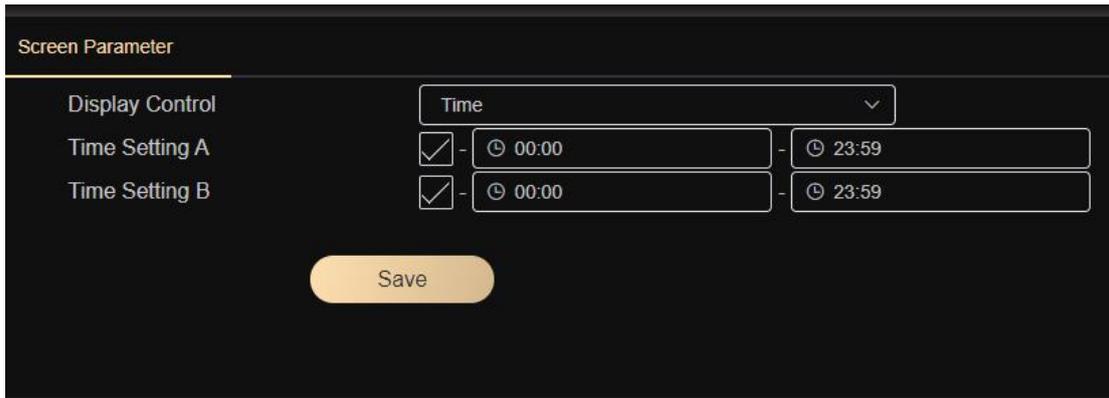
Reboot – Choose when you want to refresh the system



### 2.3.3 Screen

Screen Parameter Options: Auto mode, Always bright, Time.

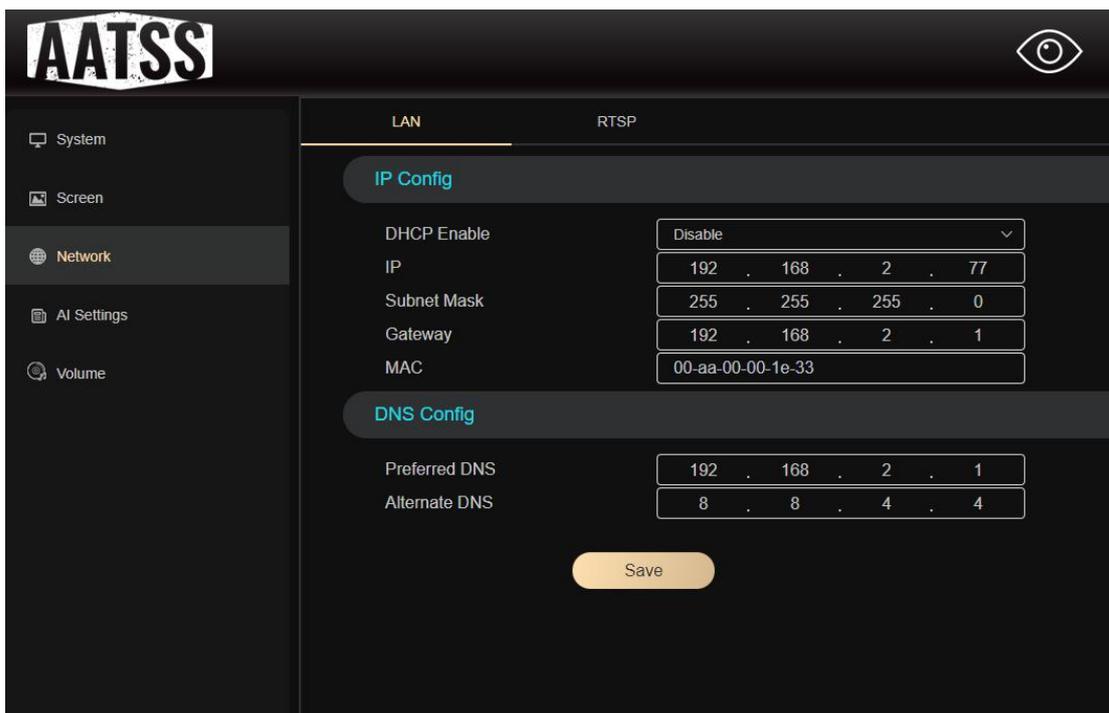




### 2.3.4 Network

#### a. LAN

The default DHCP is "enable". After the V2 Lite is connected to the network, it will get IP address automatically, so please disable the DHCP. Save the current IP address.



#### b. RTSP

RTSP (Real Time Streaming Protocol) can be connected to third party software to monitor the V2 Lite stream.

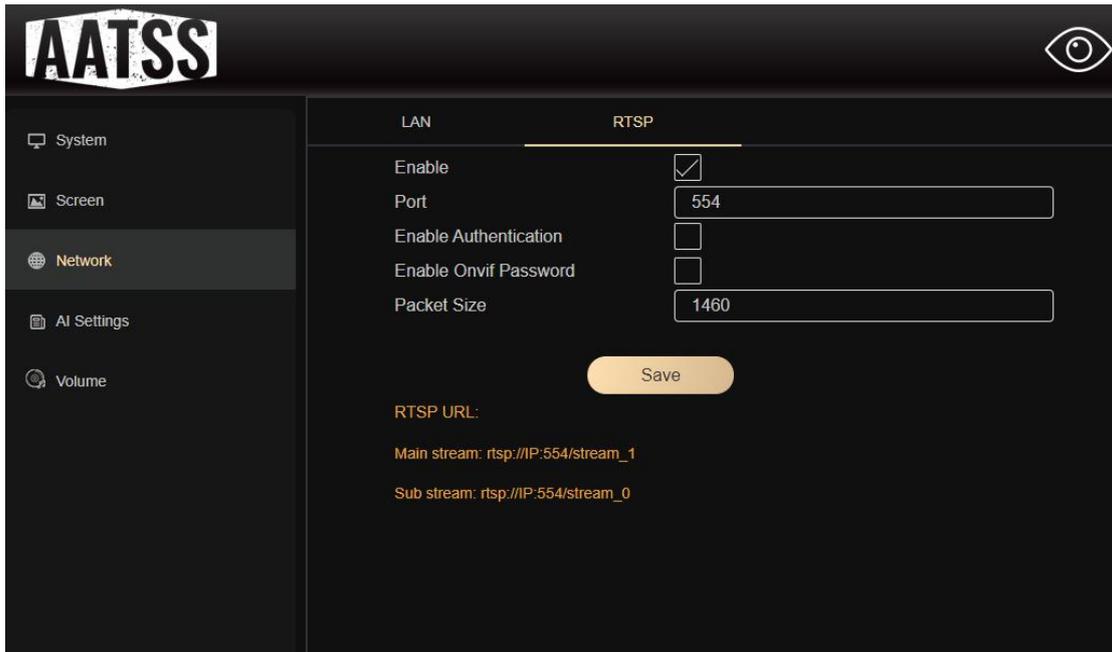
RTSP URL:

Main stream: `rtsp://IP:554/stream_1`

Sub stream: `rtsp://IP:554/stream_0`

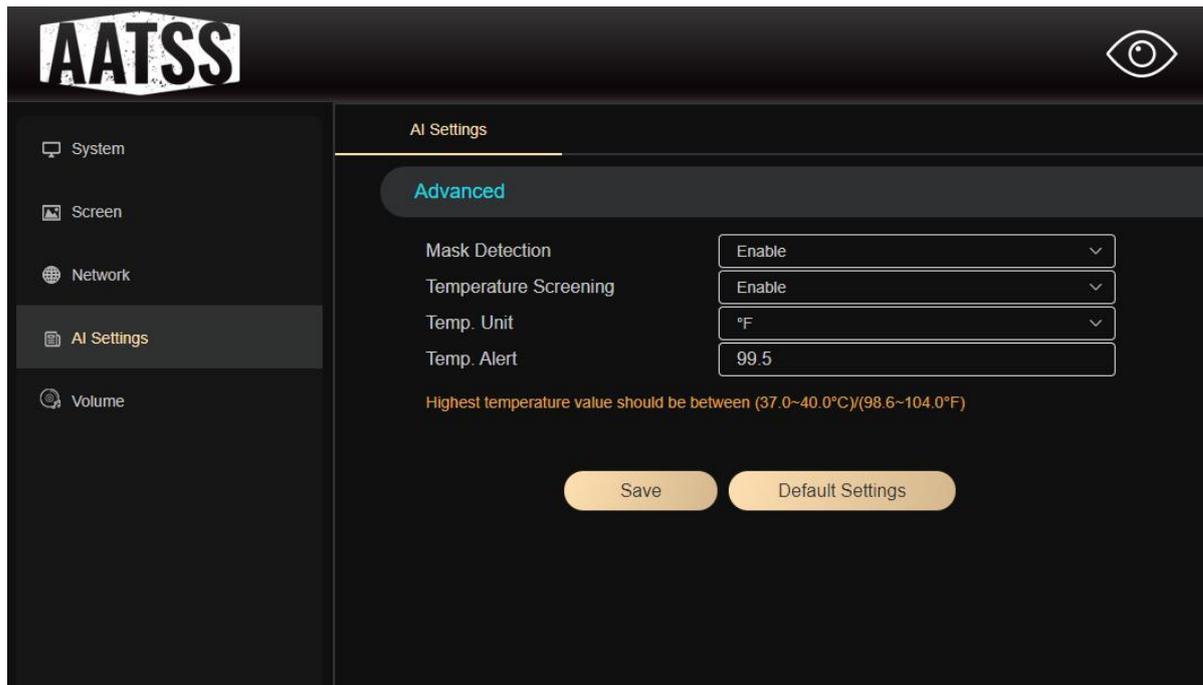
Please change the **IP** to the current device IP address. E.g. current device IP address is 192.168.2.241. Then the Main stream will be:

rtsp://192.168.2.241:554/stream\_1



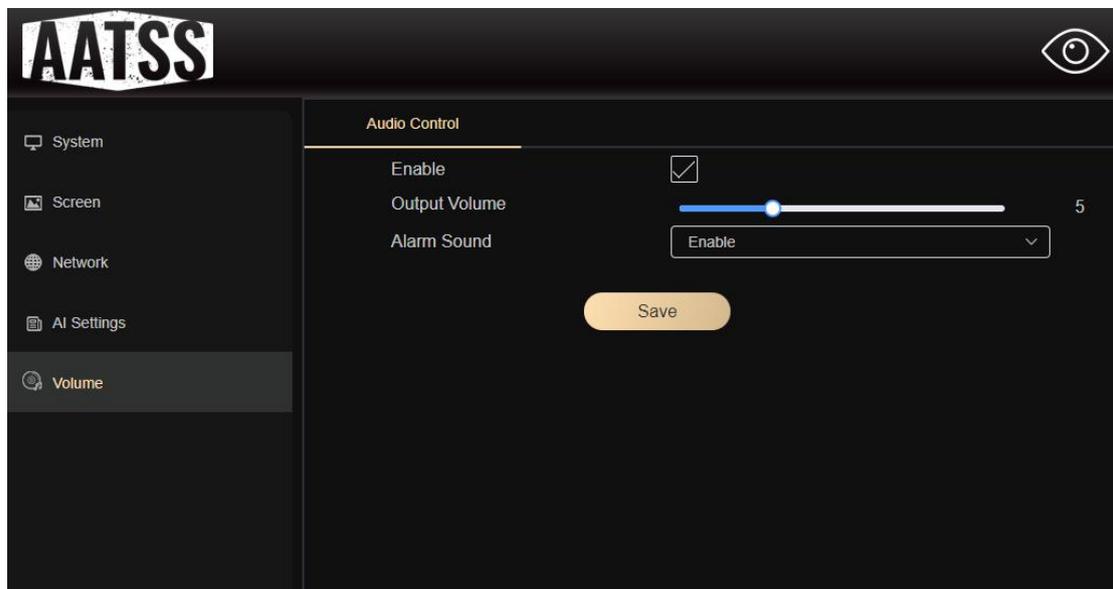
### 2.3.5 AI Settings

Mask Detection	If enabled, an alert will show on the screen when one is detected to be not wearing a mask.
Temperature Screening	If enabled, it will display the body temperature on the screen; if disabled, it won't show the body temperature.
Temp. Unit	Choose Fahrenheit or Celsius
Temp. Alert	High temperature warning beyond the range (37.0 to 40.0°C) / (98.6 to 104.0°F)



### 2.3.6 Volume

You can adjust output volume and alarm sound.



## 3. Maintenance

- Thermal infrared detection works most accurately indoors. The AATSS V2 Lite is resistant to sunlight interference and can be used outdoors. However, please avoid direct sunlight on the device or the face of the person being screened whenever possible. We recommend a

well-shaded area for optimal performance. Limit exposure to weather and rain.

- When installing the AATSS V2 Lite, please avoid heat sources such as vents and hot electronic equipment.
- Standard cleaning products can be used to clean the device.
- We recommend restarting the device once a day to ensure normal function.

## 4. Specifications

Resolution	1920 x 1080p
Type	120° wide-angle dynamic
Focusing Distance	3.6mm
White Balancing	AUTO
<b>SCREEN</b>	
Resolution	600 x 1024
Size	7.0-inch IPS LCD Display
<b>STORAGE</b>	
Internal storage Capacity	4GB eMMC Automatic memory management. Can store 10,000 log entries and 10,000 individual identities.
<b>ACCESSORIES</b>	
Fill Light	Dual fill light
<b>INTERFACE</b>	
Operating System	Linux
Network Module	Network Module Ethernet
Audio	Audio 1W /8R Speakers
LAN	1 RJ45 Ethernet socket
<b>INFRARED THERMAL MODULE</b>	
Temperature Detection Distance	1.3 ft - 2.0 ft
Measurement Resolution	0.018°F
Temperature Measurement Accuracy	≤ ± 0.5° F (Medical Grade)
Temperature Measurement Range	93.2°F ~ 107.6°F
<b>GENERAL</b>	
Power Supply	DC12V
Operating Temp.	32°F - 95°F
Storage Temp.	60°F - 140°F

Power Consumption	7W (Max)
Dimensions	9.37" x 4.82" x 1.24"
Weight	2.65 pounds

## 5. Warranty

Full 1-year manufacturer warranty. (Extendable up to 3 years)

Return Policy: Return within 14 days of receiving your shipment for a full refund minus return shipping. If the return is due to a manufacturing defect, all shipping costs will be covered.

[www.richtech-ai.com](http://www.richtech-ai.com)

[service@richtech-ai.com](mailto:service@richtech-ai.com)

856-363-0570

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