



Automatic Number Plate Recognition

User Manual



Login



Log in to your account

Username

Password



[Reset Password?](#)

[Forgot Password?](#)

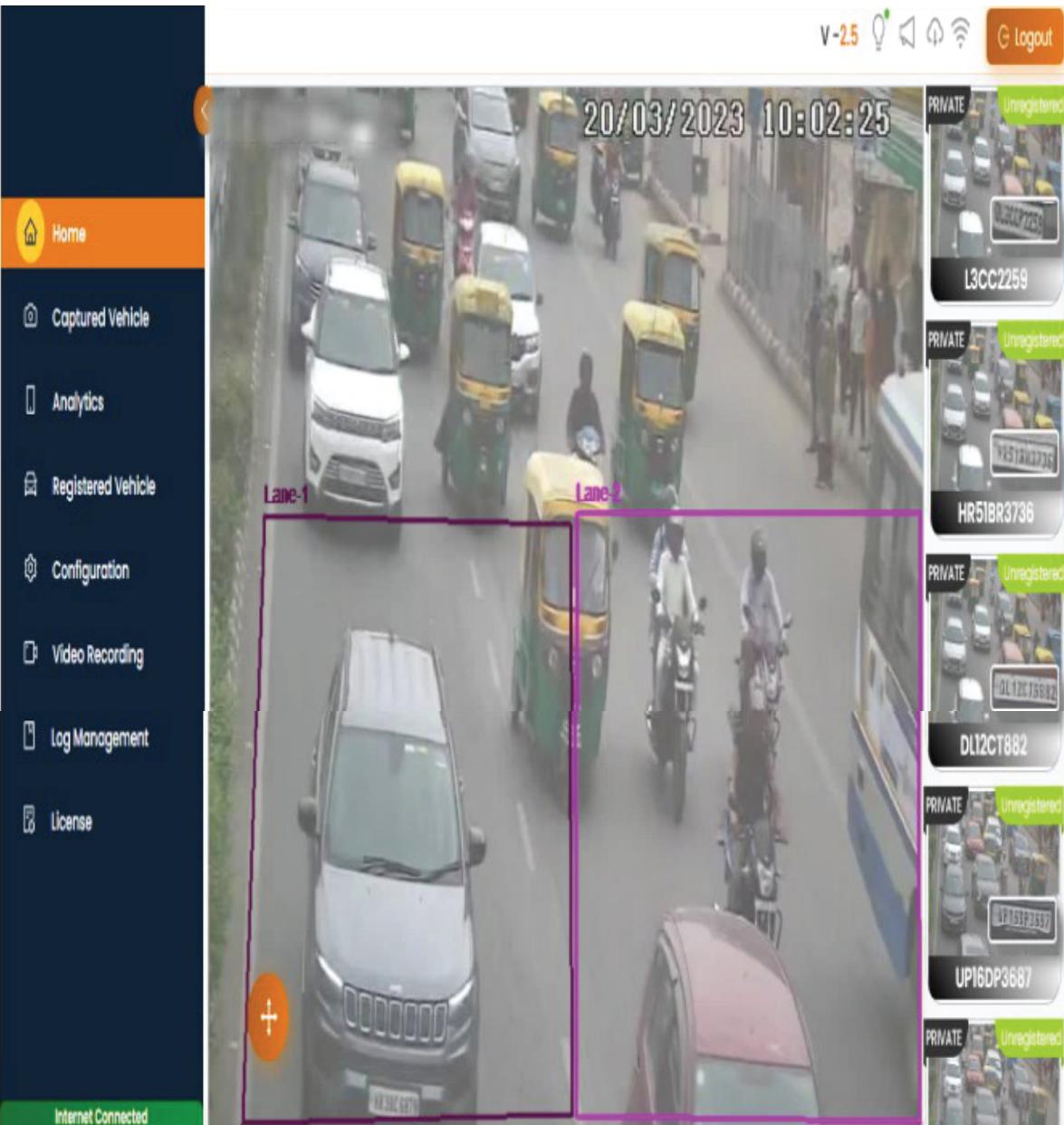
Login

Home

This is Home screen which will be displayed as soon as log in done to device panel.

Modules

- 1. Dashboard:** home screen.
- 2. Captured Vehicle:** listing of captured vehicles.
- 3. Analytics:**
- 4. Registered Vehicle:** to view & add registered vehicles.
- 5. Configuration:** to view and modify the device configuration.
- 6. Video Recording:** to view and modify camera settings.
- 7. License:** to verify & upgrade the device license.
- 8. Log Management:** to view and download the report

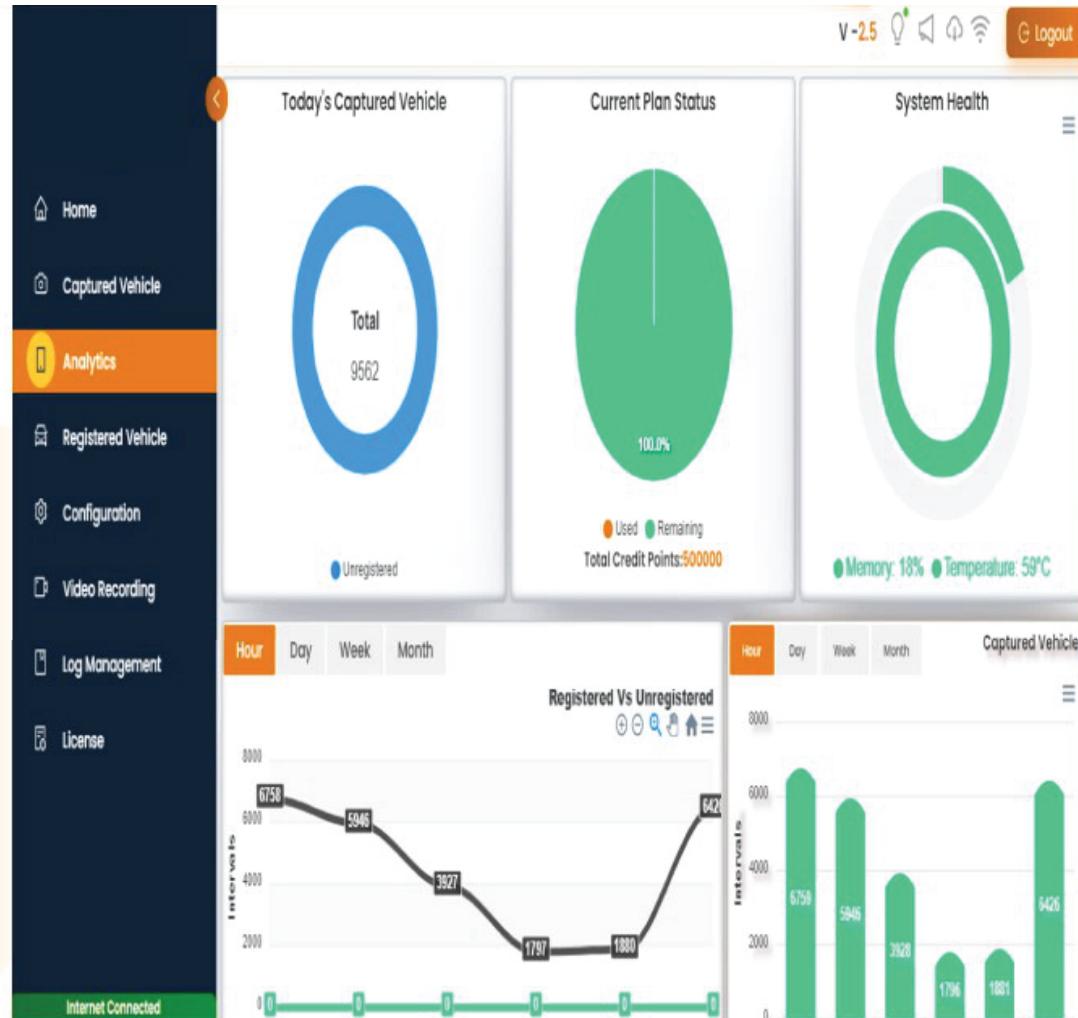


Analytics

This Module is used to track:

1. The Total Captured Vehicle.
2. Current Plan Status.
3. System's Health like Memory, Temperature.

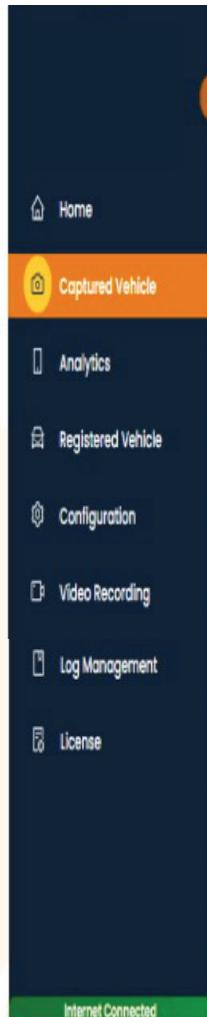
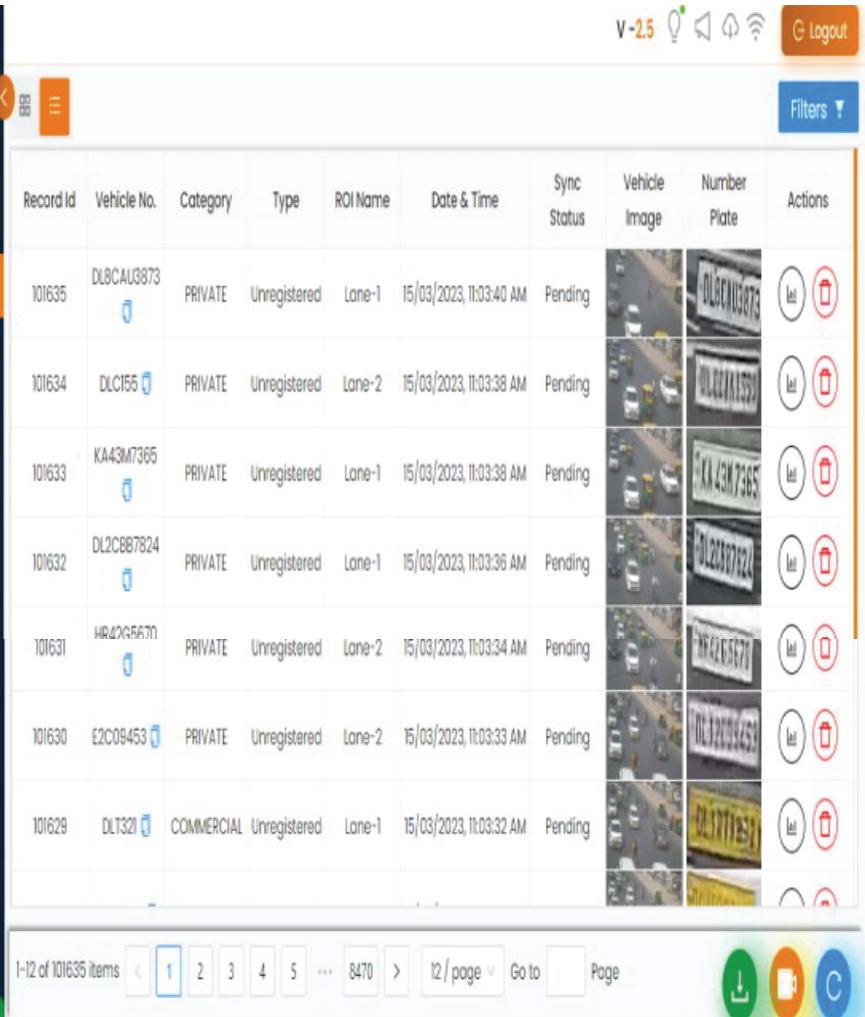
User can check the **Hourly, Daily, Monthly, Weekly Graph** of registered and Unregistered Vehicles and Number of captured Vehicle.



Captured Vehicle

This section will list all the records captured by Device. User can search and sort the data by applying various filters like date range and vehicle type.

Details like vehicle **Registration Number**, **Vehicle type category**, **ROI number**, **Vehicle Image**, **Number plate image** and **detection date & time** will be displayed in this page.

V-2.5    

Filters 

Record Id	Vehicle No.	Category	Type	ROI Name	Date & Time	Sync Status	Vehicle Image	Number Plate	Actions
101635	DL8CAU3873	PRIVATE	Unregistered	Lane-1	15/03/2023, 11:03:40 AM	Pending			 
101634	DLC155	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:38 AM	Pending			 
101633	KA43M7365	PRIVATE	Unregistered	Lane-1	15/03/2023, 11:03:38 AM	Pending			 
101632	DL2C887824	PRIVATE	Unregistered	Lane-1	15/03/2023, 11:03:36 AM	Pending			 
101631	HR42G5670	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:34 AM	Pending			 
101630	E2C09453	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:33 AM	Pending			 
101629	DLT321	COMMERCIAL	Unregistered	Lane-1	15/03/2023, 11:03:32 AM	Pending			 

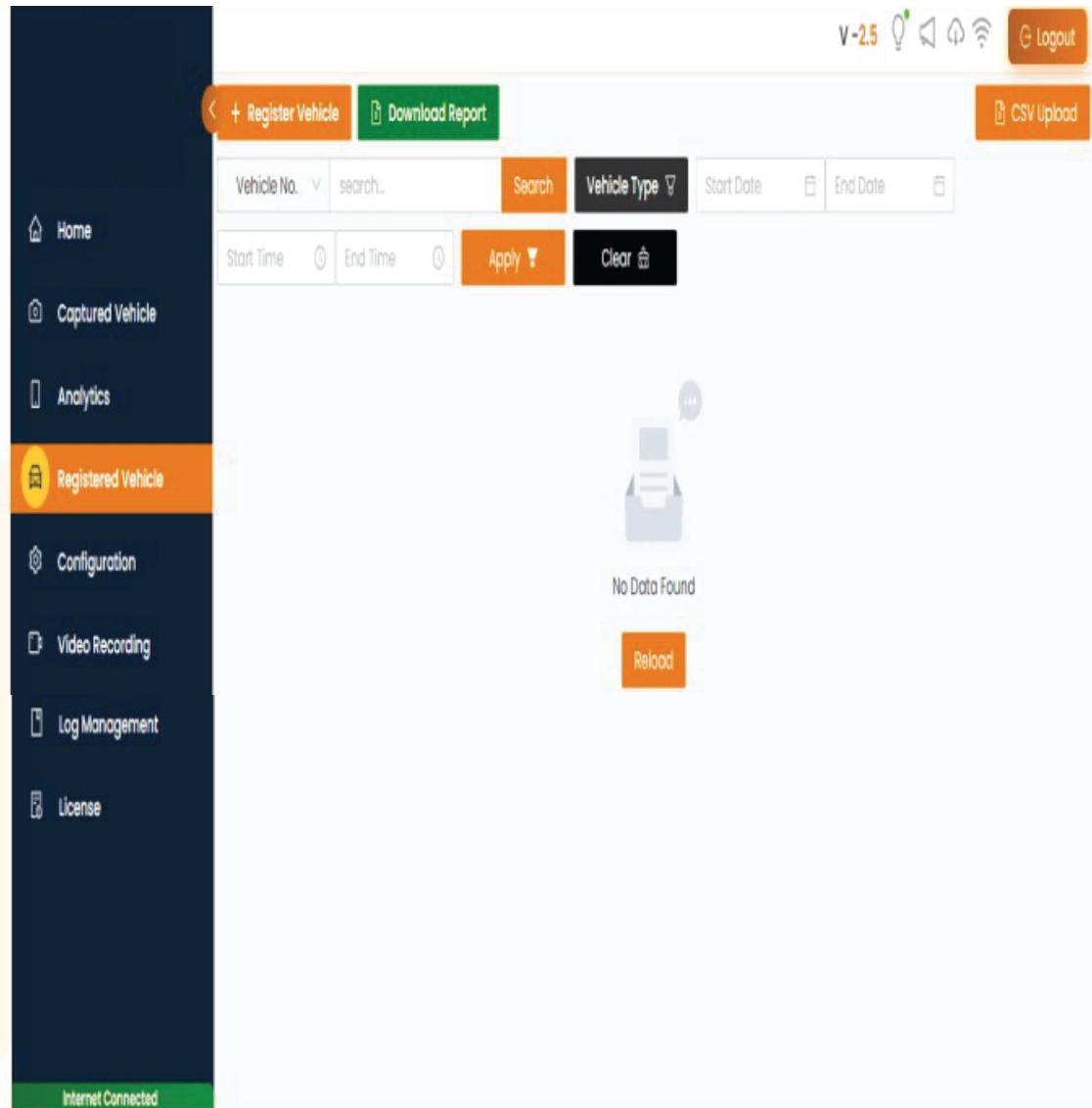
1-12 of 101635 items  Go to Page   

Registered Vehicle

This module will be used to view the registered vehicles and to register new vehicles. User can register the vehicle by entering details manually or in bulk using CSV Upload option.

1. Click on Registered Vehicle tab. List of all registered vehicle will be displayed on this screen.
2. Click on **+Register Vehicle** button to register a new vehicle. An input form will appear as soon as user click on **+Register Vehicle** button.

User can upload **CSV File** to import data in bulk.



V-2.5

CSV Upload

Home

Captured Vehicle

Analytics

Registered Vehicle

Configuration

Video Recording

Log Management

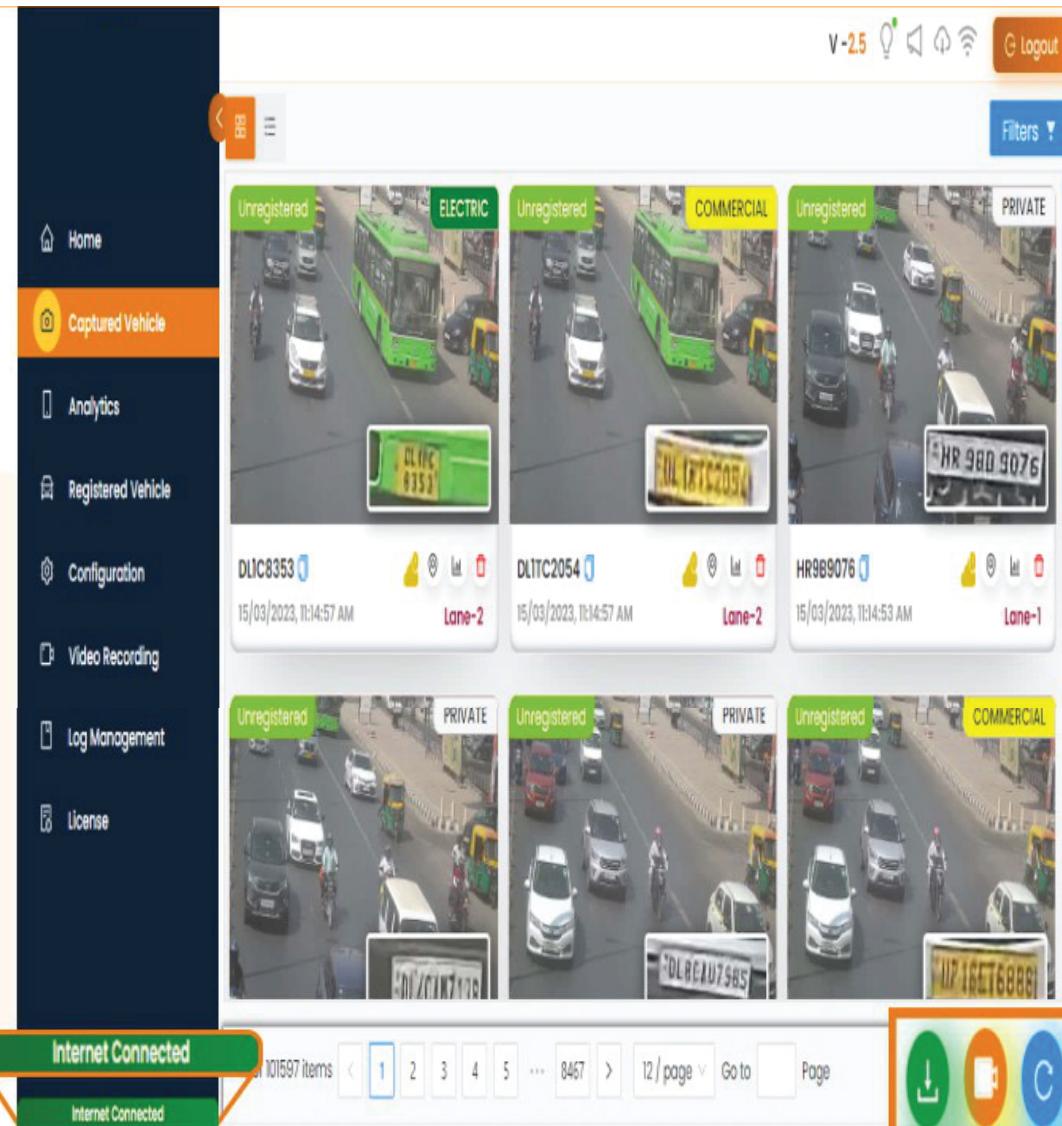
License

No Data Found

Internet Connected

In this section we have multiple options like,

1. Data preview in **cards format** and in a **Table Format**.
2. Filter out the data by their **Vehicle number**, **Vehicle category**, **Sync status**, **ROI name**, and **Date & Time**.
3. We can generate **CSV report** of data.



The screenshot displays the TIMEWATCH software interface for vehicle monitoring. The left sidebar features a navigation menu with the following options:

- Home
- Captured Vehicle** (selected)
- Analytics
- Registered Vehicle
- Configuration
- Video Recording
- Log Management
- License

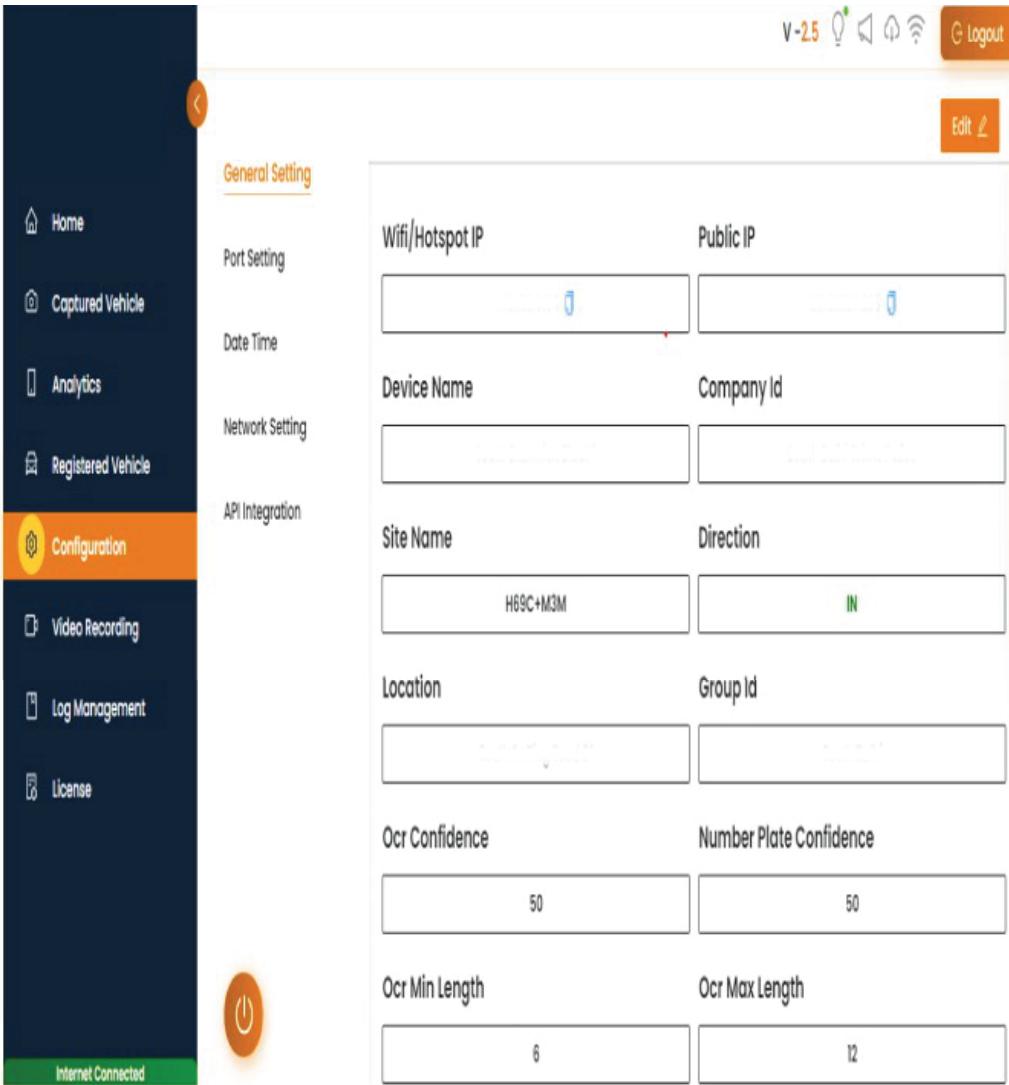
The main content area shows a grid of vehicle captures. Each capture includes a thumbnail image, vehicle category (e.g., ELECTRIC, COMMERCIAL, PRIVATE), sync status (e.g., Unregistered), license plate, and timestamp. The interface includes a green bar at the bottom indicating "Internet Connected" and a navigation bar with page numbers and search functions.

Vehicle Category	Sync Status	License Plate	Date & Time	Lane
ELECTRIC	Unregistered	DL 14 PC 8353	15/03/2023, 11:14:57 AM	Lane-2
COMMERCIAL	Unregistered	DL LTC 2054	15/03/2023, 11:14:57 AM	Lane-2
PRIVATE	Unregistered	HR 980 9076	15/03/2023, 11:14:53 AM	Lane-1
PRIVATE	Unregistered	DL 02 AU 7126	15/03/2023, 11:14:57 AM	Lane-2
PRIVATE	Unregistered	DL BEAU 7985	15/03/2023, 11:14:57 AM	Lane-2
COMMERCIAL	Unregistered	HR 16 ET 6886	15/03/2023, 11:14:57 AM	Lane-1

Configuration (General Setting)

This section will be used to view and add the details and configuration of device. Below are key parameters and their significance in this section:

- **IP Address:** IP address allocated to the device.
- **Company ID**
- **OCR Confidence:**
- **Unknown Save:** To save the unregistered records.
- **Boom barrier:** To open boom barrier for unregistered vehicles.
- **Relay Duration:** To set the time to open boom barrier.
- **OCR Max. & Min. Length:** Length of vehicle registration numbers.
- **Gate Control:** To send the signals to relay for registered vehicles.
- **Duplicate Entry time Span Log:** Duration to discard the duplicate records.
- **Data Sent Mode:** this option is used for integration of device for data syncing.



General Setting

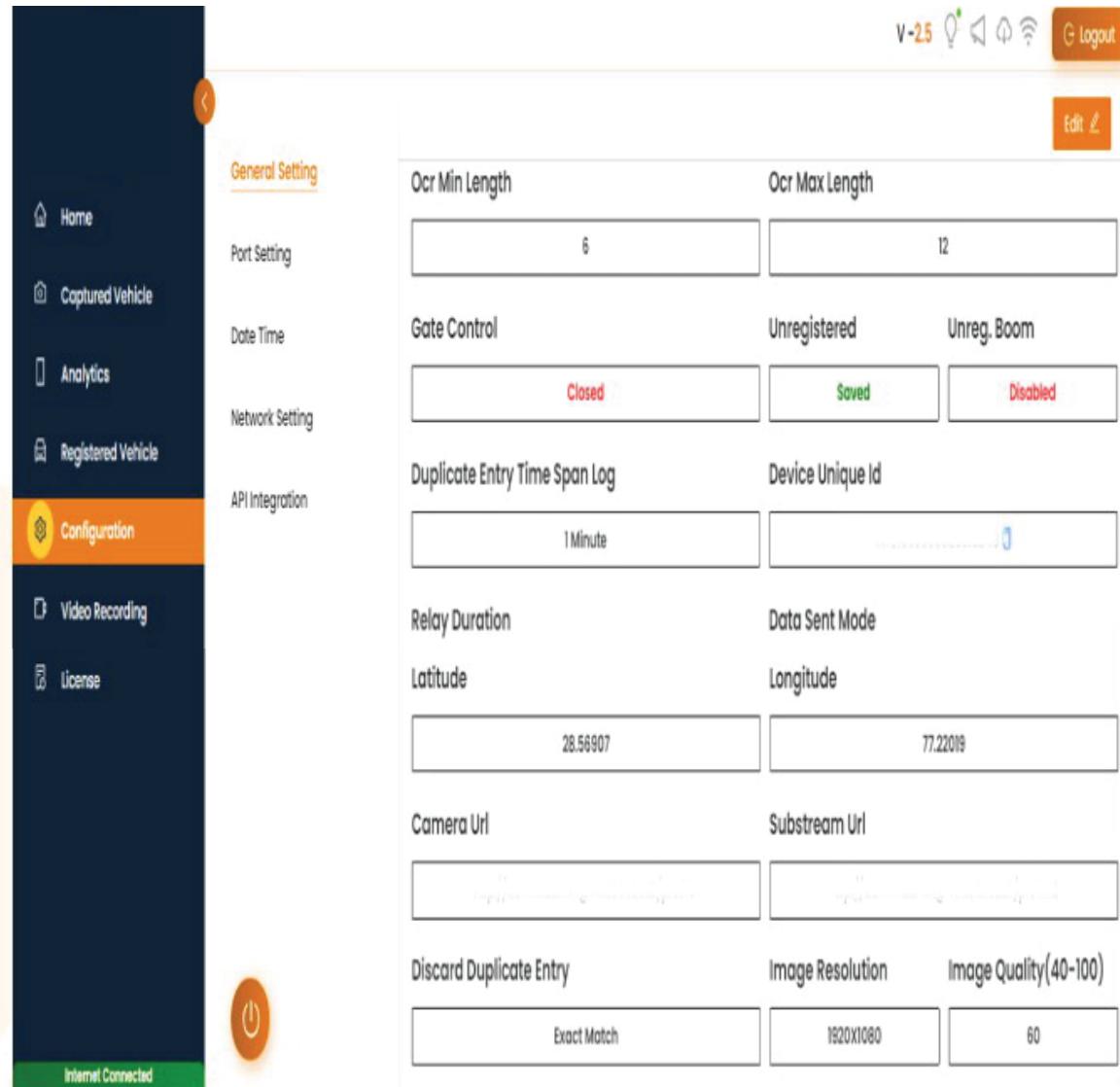
Wifi/Hotspot IP	Public IP
<input type="text"/>	<input type="text"/>
Device Name	Company Id
<input type="text"/>	<input type="text"/>
Site Name	Direction
<input type="text"/> H69C+M3M	<input type="text"/> IN
Location	Group Id
<input type="text"/>	<input type="text"/>
Ocr Confidence	Number Plate Confidence
<input type="text"/> 50	<input type="text"/> 50
Ocr Min Length	Ocr Max Length
<input type="text"/> 6	<input type="text"/> 12

Data Sent Mode have three options:

Disable-data will not be sent to any server.

Intozi Server: Device will send the data to Intozi cloud server.

Client Server: Device will send the data to client server i.e. server address defined in API integration section.



General Setting

Ocr Min Length	Ocr Max Length
6	12

Port Setting	Gate Control	Unregistered	Unreg. Boom
	Closed	Saved	Disabled

Date Time	Duplicate Entry Time Span Log	Device Unique Id
	1Minute	<input type="text"/>

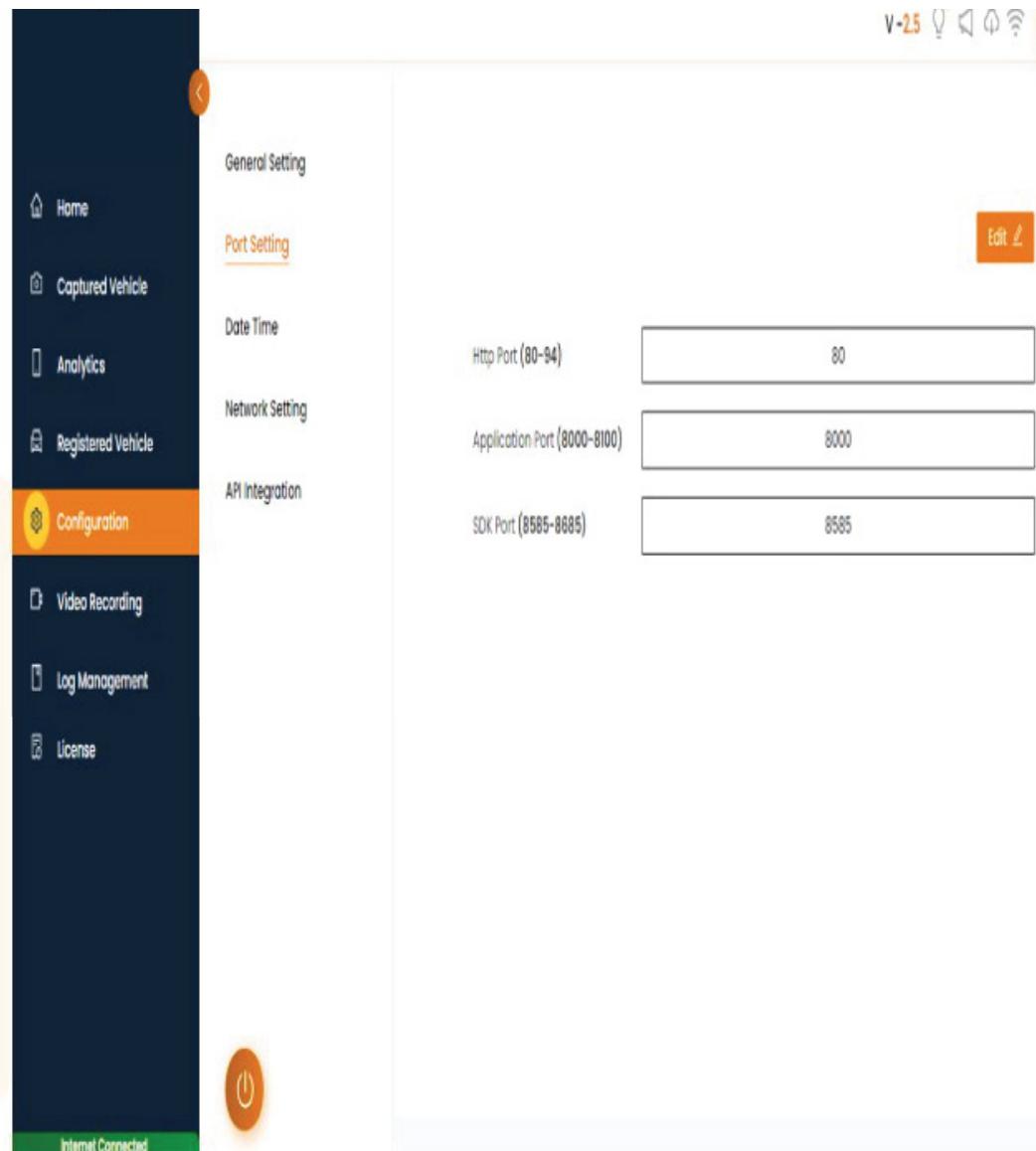
Network Setting	Relay Duration	Data Sent Mode
	Latitude	Longitude
	28.56907	77.22019

API Integration	Camera Url	Substream Url
	<input type="text"/>	<input type="text"/>

Discard Duplicate Entry	Image Resolution	Image Quality(40-100)
Exact Match	1920X1080	60

Configuration (Port Setting)

User can change the **Port Settings** in this section.



General Setting

Port Setting Edit

Date Time

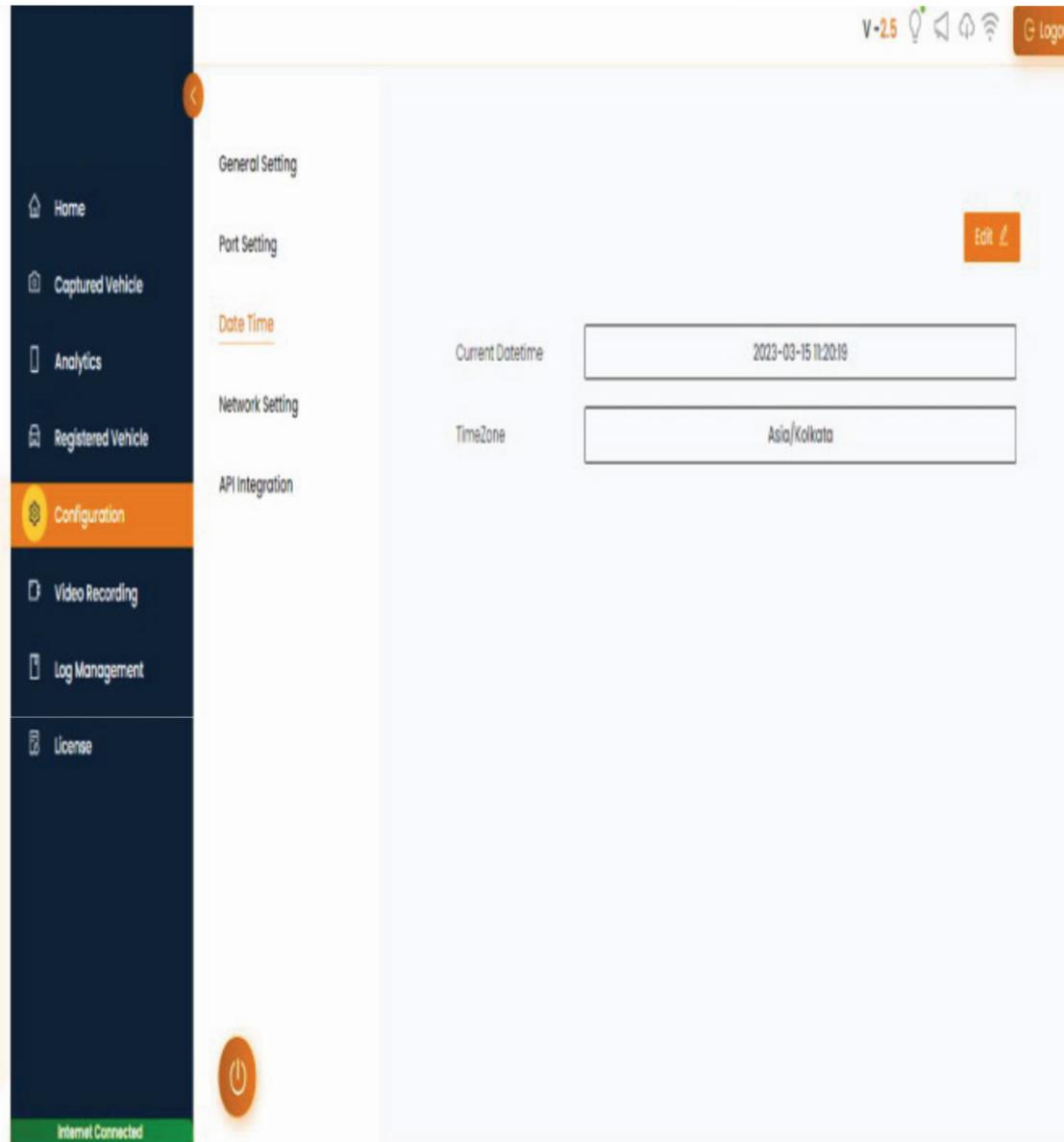
Network Setting

API Integration

Http Port (80-94)	80
Application Port (8000-8100)	8000
SDK Port (8585-8685)	8585

Configuration (Date & Time)

Date Time Setting: If device time is not set or not in correct timezone so the user can change accordingly.

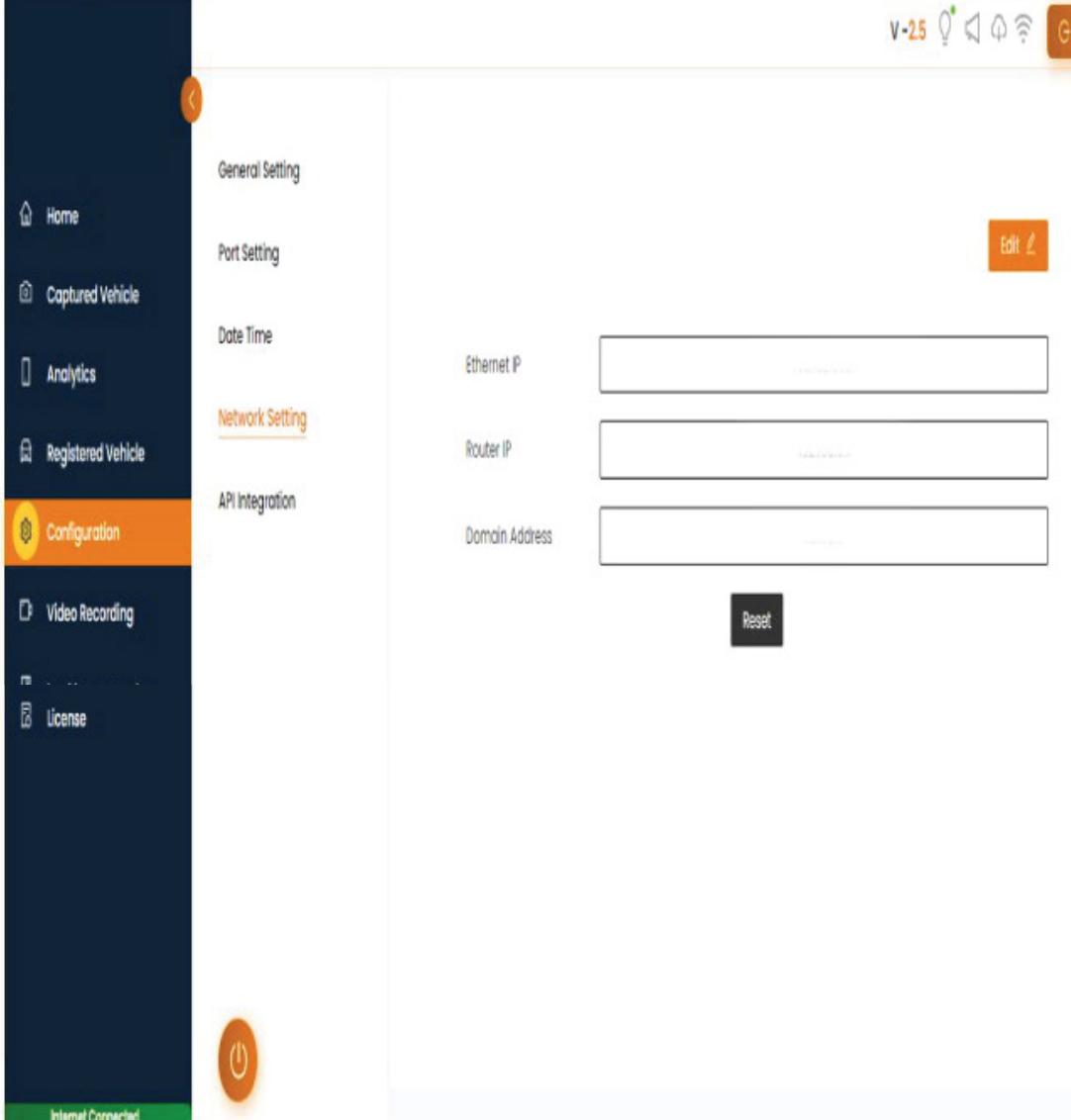


The screenshot shows the TIMEWATCH configuration interface. On the left is a sidebar with the following menu items: Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration (which is highlighted in orange), Video Recording, Log Management, and License. At the bottom of the sidebar, it says "Internet Connected". On the right, the "Date Time" section is selected. It displays the current date and time (2023-03-15 11:20:19) and the time zone (Asia/Kolkata). There are "Edit" buttons next to both fields. The top right corner shows the version (V-2.5), a battery icon, and a "Logout" button.

Current Datetime	2023-03-15 11:20:19
Timezone	Asia/Kolkata

Configuration (Network Setting)

Network Setting: User defines the ethernet IP, Router IP and Domain Address.



The screenshot shows the TIMEWATCH configuration interface. The left sidebar includes links for Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration (which is the active tab), Video Recording, and License. A green 'Internet Connected' status bar is at the bottom. The main content area is titled 'Network Setting' and contains fields for Ethernet IP, Router IP, and Domain Address, each with an 'Edit' button and a 'Reset' button at the bottom right. The top right corner shows a status bar with 'V-2.5', signal strength, battery, and a 'Logout' button.

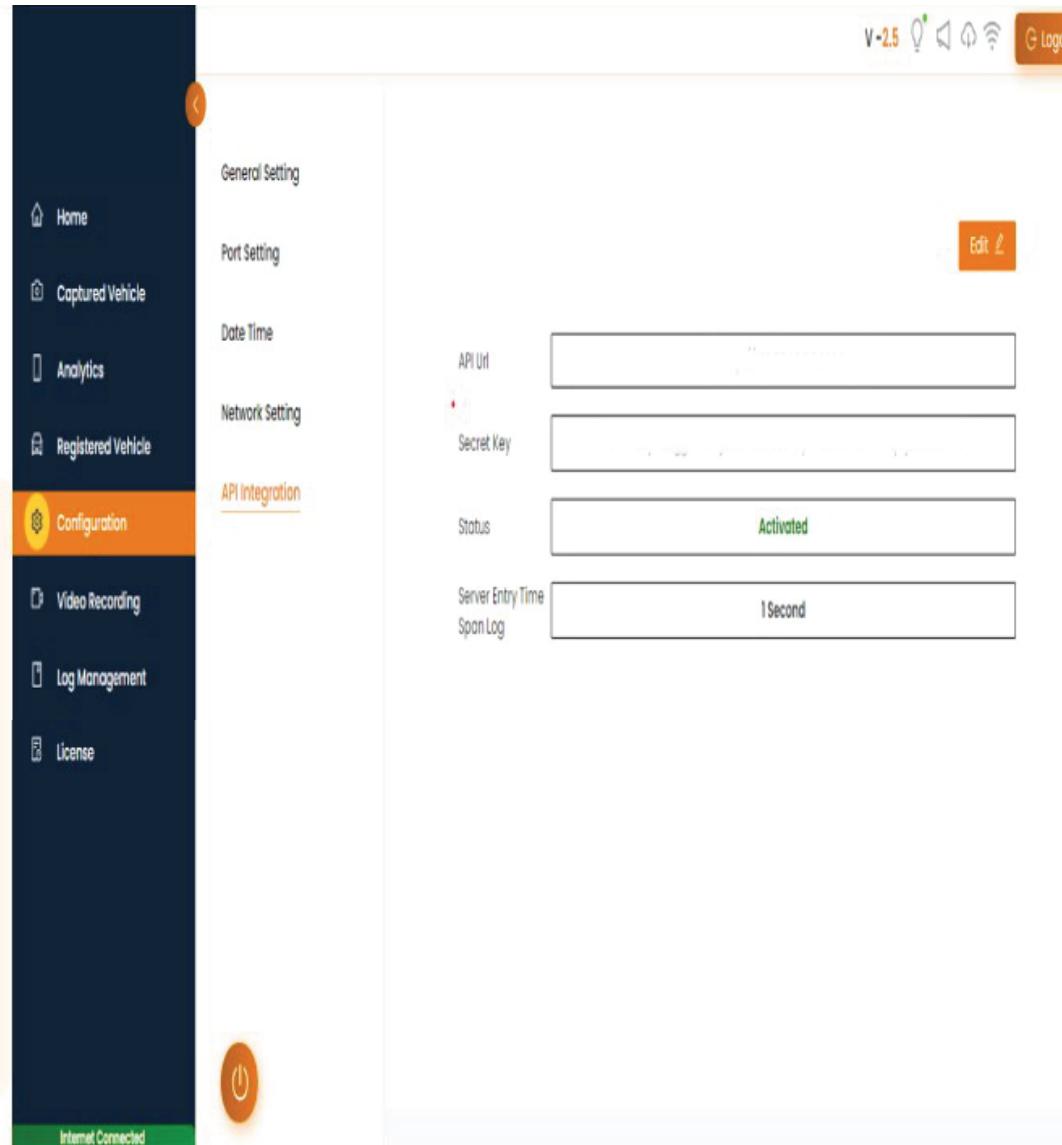
Setting	Value	Action
Ethernet IP	<input type="text"/>	Edit
Router IP	<input type="text"/>	Edit
Domain Address	<input type="text"/>	Edit

Reset

Configuration (API Integration)

API Integration section of Configuration page will be used to configure the data syncing from device to any other server.

- **API Url:** Enter the base URL of API for data syncing.
- **Secret Key:** Enter the authentication Key/token received from target server.
- **Status:** Change the status from Deactivated to Activated to start data syncing. Data will be sent
- **Server Entry Time Span Log:** Set the interval to send the data. Device will send the data after a break of duration set in



The screenshot shows the TIMEWATCH Configuration page. The left sidebar has a dark blue background with various icons and text labels: Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration (which is highlighted in orange), Video Recording, Log Management, and License. Below the sidebar is a green bar with the text 'Internet Connected' and a power button icon. The main content area has a light blue header with the text 'API Integration' and a 'Logout' button. The main content area contains several input fields for configuration:

API Url	<input type="text"/>
Secret Key	<input type="text"/>
Status	Activated
Server Entry Time Span Log	1 Second

 The top right of the main content area has a small orange 'Edit' button with a pencil icon.

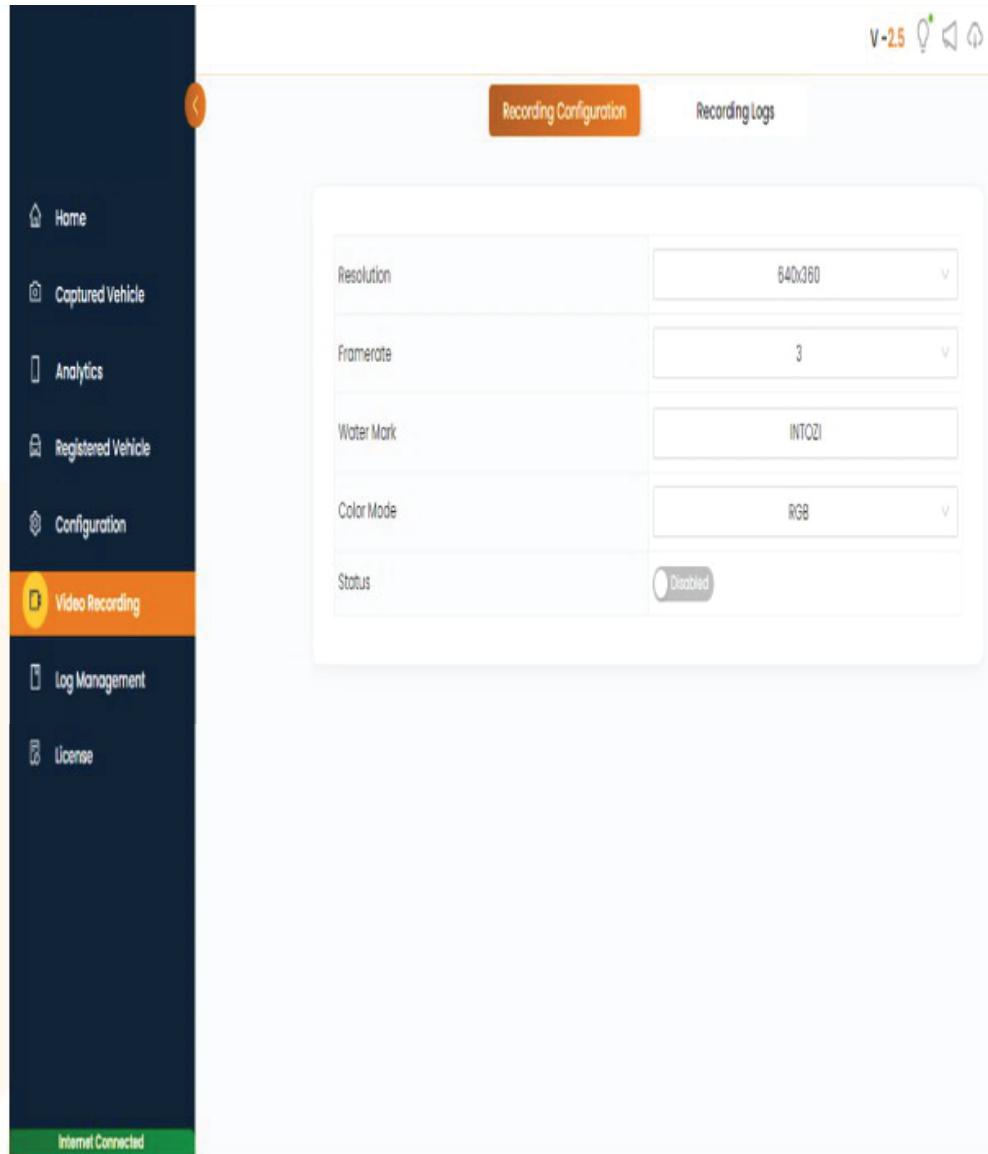
Video Recording

This section is used to view & change the video setting of the device.

1. Click on Video Recording tab.

User needs to change the values and parameters as per requirement. All changes will be applied as soon as changes are made by user.

2. Click on toggle button to **enable or disable** the Device.



Recording Configuration

Recording Logs

Resolution: 640x360

Framerate: 3

Water Mark: INTQZI

Color Mode: RGB

Status: Disabled

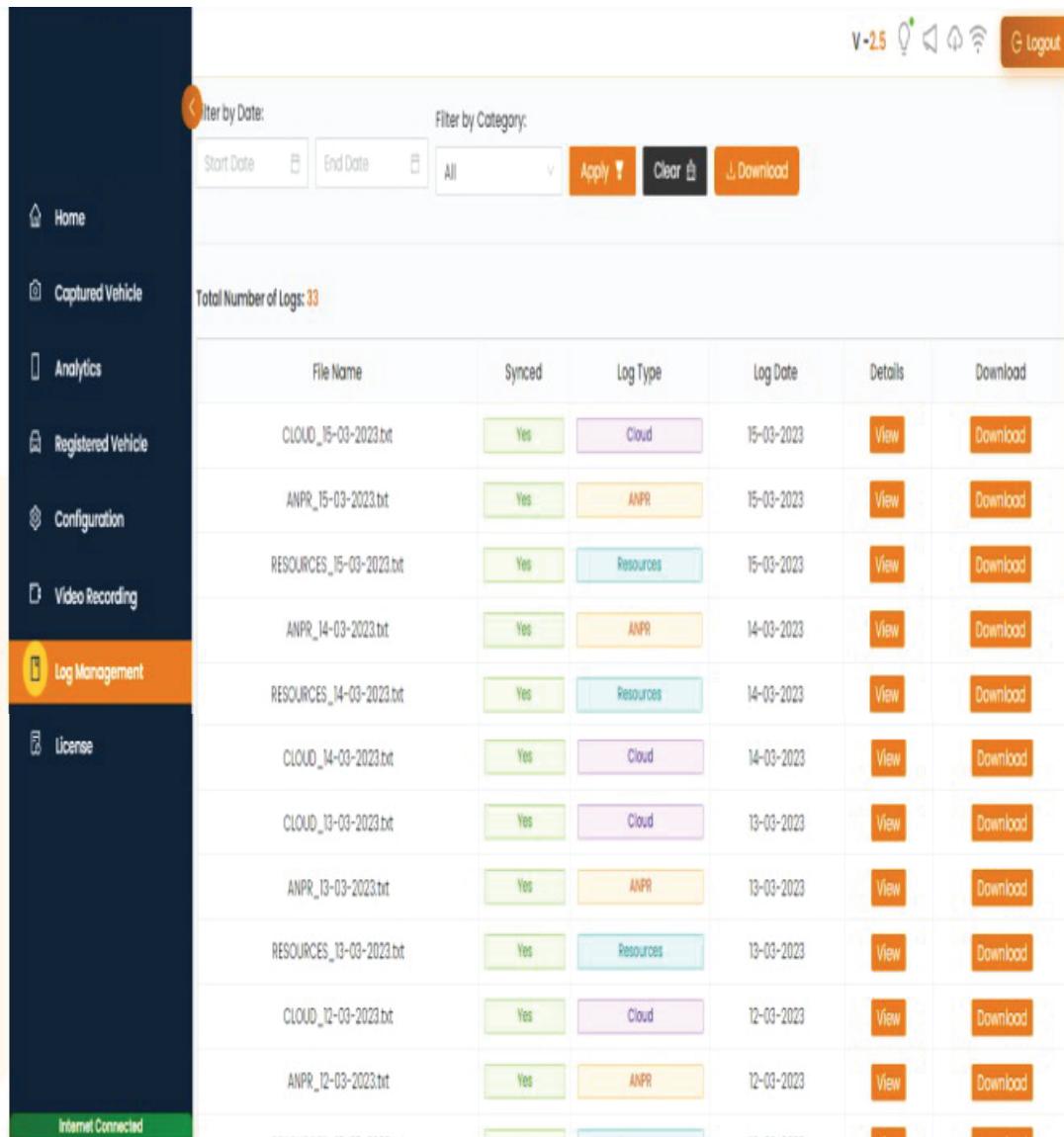
Internet Connected

Log Management

This section is used to view the log of the device. Log files will be generated on the basis of three categories: **ANPR, Resources** and **Cloud**. User need to enter the date range in date filter to check the Logs for specific date range.

1. Click on Log Management tab.
2. Enter the Password as this section is password protected.
3. Enter the date range in Start & End date filters.
4. Select the Log Category: default value will be all and user need to select any of the three categories.
5. Click on Apply button to view the log for selected filters.

Log data will be listed and used can download the log files by Clicking on Download All logs button.Used can also view the each file by clicking on View button.



The screenshot shows the Log Management interface. On the left is a sidebar with navigation links: Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration, Video Recording, **Log Management** (which is highlighted in orange), and License. At the bottom of the sidebar is a green bar labeled "Internet Connected". The main area has a header with "Filter by Date:" and "Filter by Category:" sections, including "Start Date", "End Date", "All", "Apply", "Clear", and "Download" buttons. Below this is a table with the following data:

File Name	Synced	Log Type	Log Date	Details	Download
CLOUD_15-03-2023.txt	Yes	Cloud	15-03-2023	View	Download
ANPR_15-03-2023.txt	Yes	ANPR	15-03-2023	View	Download
RESOURCES_15-03-2023.txt	Yes	Resources	15-03-2023	View	Download
ANPR_14-03-2023.txt	Yes	ANPR	14-03-2023	View	Download
RESOURCES_14-03-2023.txt	Yes	Resources	14-03-2023	View	Download
CLOUD_14-03-2023.txt	Yes	Cloud	14-03-2023	View	Download
CLOUD_13-03-2023.txt	Yes	Cloud	13-03-2023	View	Download
ANPR_13-03-2023.txt	Yes	ANPR	13-03-2023	View	Download
RESOURCES_13-03-2023.txt	Yes	Resources	13-03-2023	View	Download
CLOUD_12-03-2023.txt	Yes	Cloud	12-03-2023	View	Download
ANPR_12-03-2023.txt	Yes	ANPR	12-03-2023	View	Download

License

This screen is used verify the license, license verification will be required to activate the device. A license key will be shared over email for each device. Active status for License will be Unverified by default.

Step-1 Click on License tab

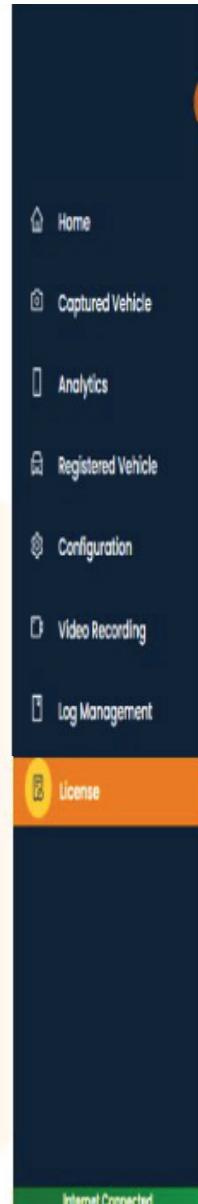
Step-2 Click on Verify License option, a pop up window will get open on clicking the Verify License button button. Notification Icon will notify.

Step-3 Enter the License Key

Step-4 Click on Verify License

Step-5 A pop-up window with success message will get open on successful license verification.

Active status will get changed to Verified after successful verification.



License Details	
License Key	ZTXkLVlOzbxHavj
Start Date	2023-03-09
Expiry Date	2024-03-09
Creation Date & Time	10-03-2023 10:01:28
License Status	Verified
Upgrade Uninstall	