



Automatic Number Plate Recognition

# User Manual

14B5915

DL5SB2666

DL1B7S0582

DL1A3B1676

# Login



Log in to your account

Username:

Password:



[Reset Password?](#)

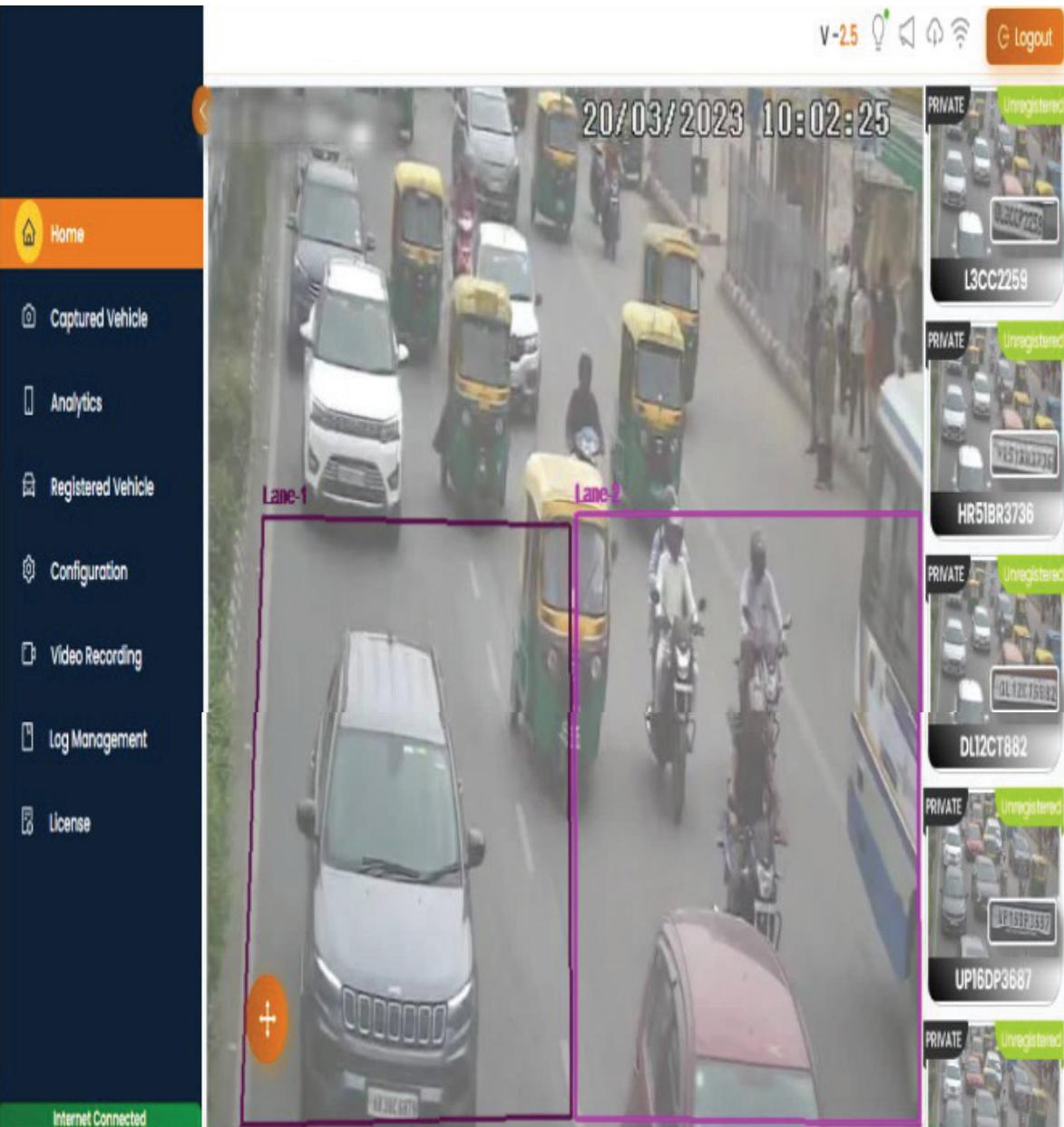
[Forgot Password?](#)

**Login**

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.



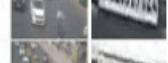
# Captured Vehicle

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
Logout

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			<span>View</span> <span>Delete</span>
101634	DLC155	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:38 AM	Pending			<span>View</span> <span>Delete</span>
101633	KA43M7365	PRIVATE	Unregistered	Lane-1	15/03/2023, 11:03:38 AM	Pending			<span>View</span> <span>Delete</span>
101632	DL2C887824	PRIVATE	Unregistered	Lane-1	15/03/2023, 11:03:36 AM	Pending			<span>View</span> <span>Delete</span>
101631	HR42G5670	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:34 AM	Pending			<span>View</span> <span>Delete</span>
101630	E2C09453	PRIVATE	Unregistered	Lane-2	15/03/2023, 11:03:33 AM	Pending			<span>View</span> <span>Delete</span>
101629	DLT321	COMMERCIAL	Unregistered	Lane-1	15/03/2023, 11:03:32 AM	Pending			<span>View</span> <span>Delete</span>

1-12 of 101635 items < 1 2 3 4 5 ... 8470 > 12 / page Go to  Page



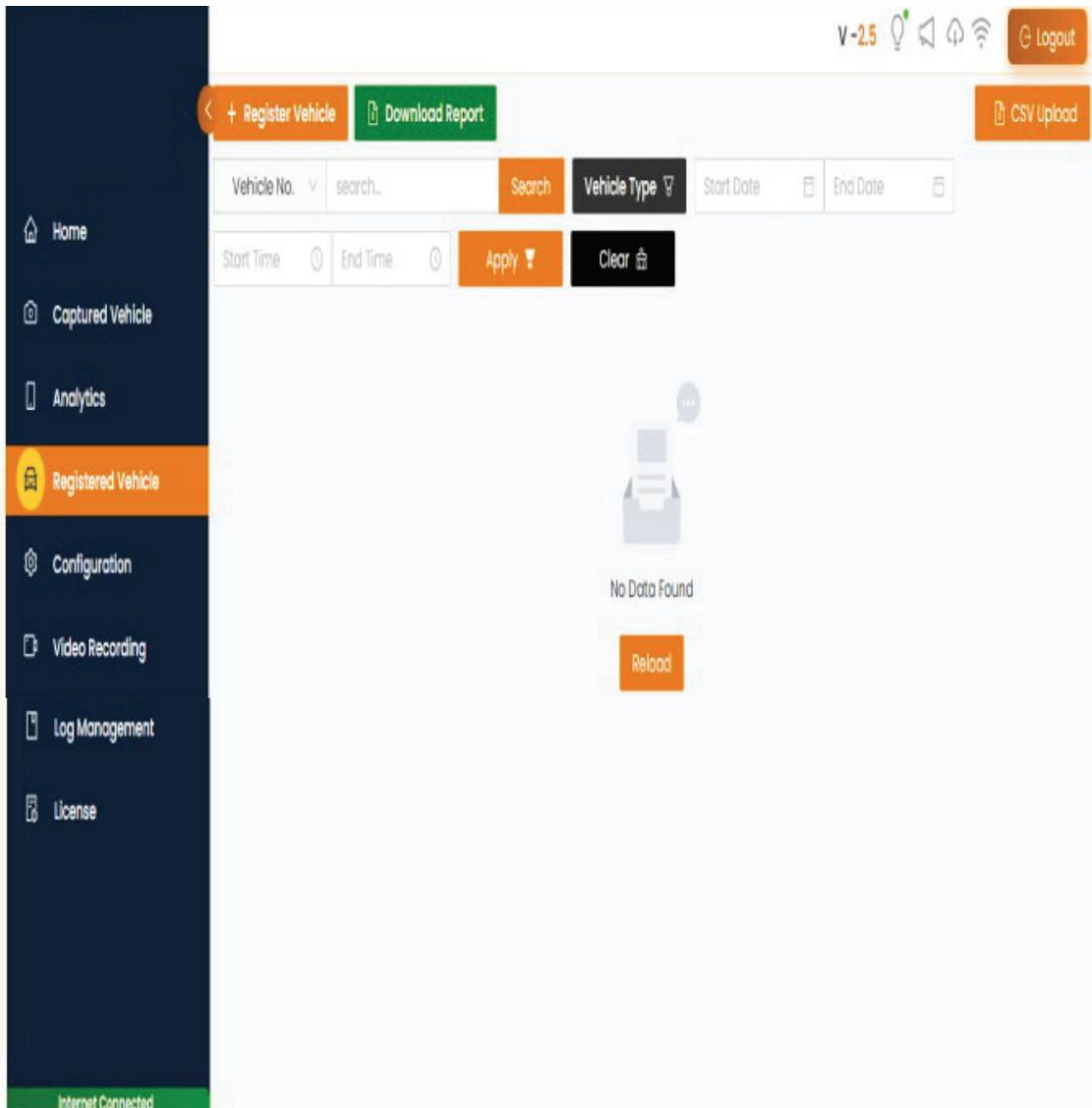


# Registered Vehicle

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.



The screenshot shows the TIMEWATCH® software interface with a dark blue sidebar and a light gray main content area. The sidebar contains the following navigation items:

- Home
- Captured Vehicle
- Analytics
- Registered Vehicle** (highlighted in orange)
- Configuration
- Video Recording
- Log Management
- License

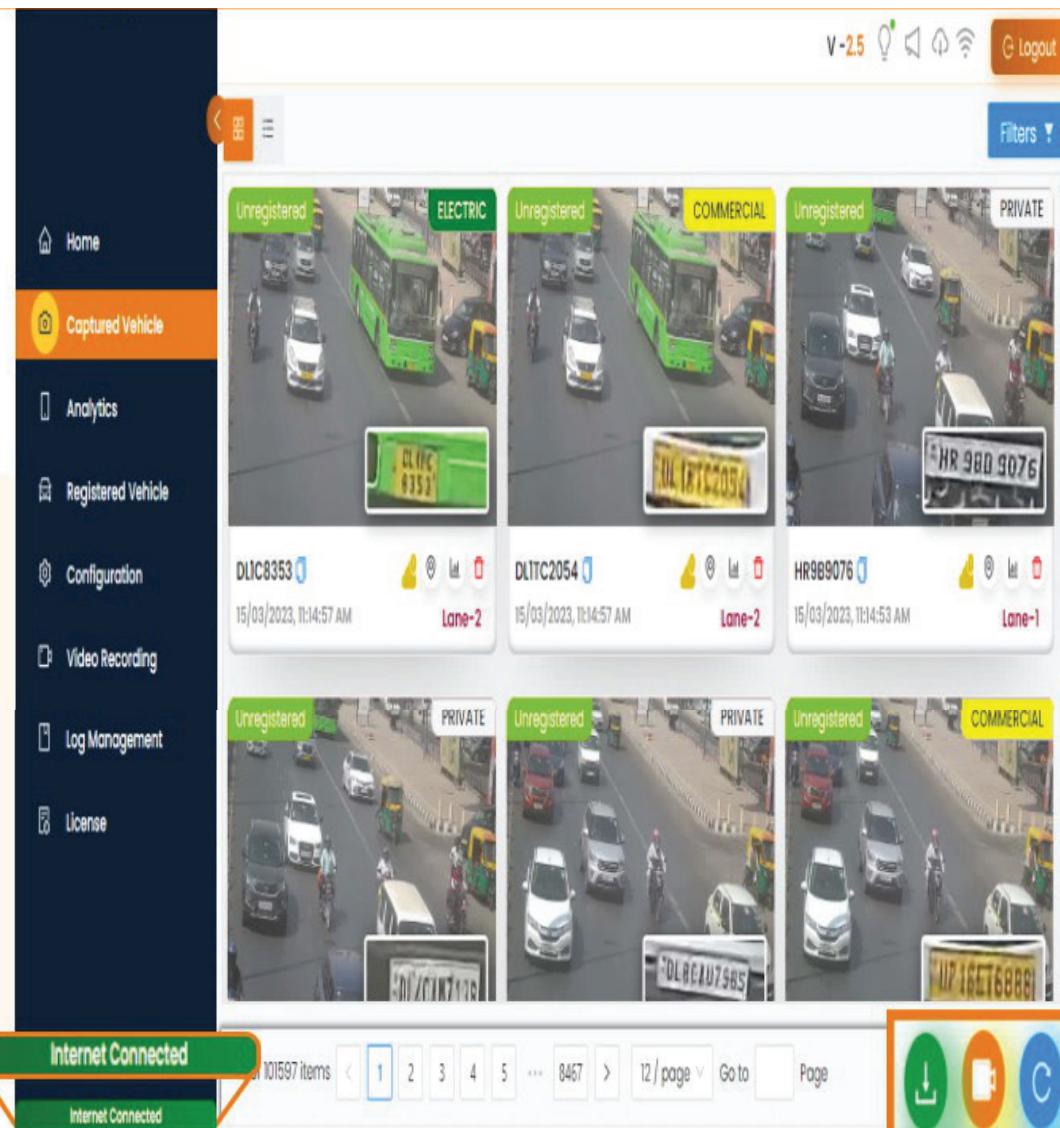
The main content area has a header with the following buttons and fields:

- V-2.5
- Logout
- + Register Vehicle
- Download Report
- Vehicle No. dropdown
- search... input field
- Search button
- Vehicle Type dropdown
- Start Date and End Date date pickers
- Start Time and End Time time pickers
- Apply button
- Clear button
- CSV Upload button

Below the search area, there is a message: "No Data Found". A "Reload" button is located at the bottom right of the content area.

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 a software interface for vehicle monitoring. On the left is a dark sidebar menu with the following items:

- Home
- Captured Vehicle** (highlighted in orange)
- Analytics
- Registered Vehicle
- Configuration
- Video Recording
- Log Management
- License

The main area shows a grid of vehicle captures. Each capture includes a thumbnail image, vehicle details, and sync status indicators. The captures are organized into two rows:

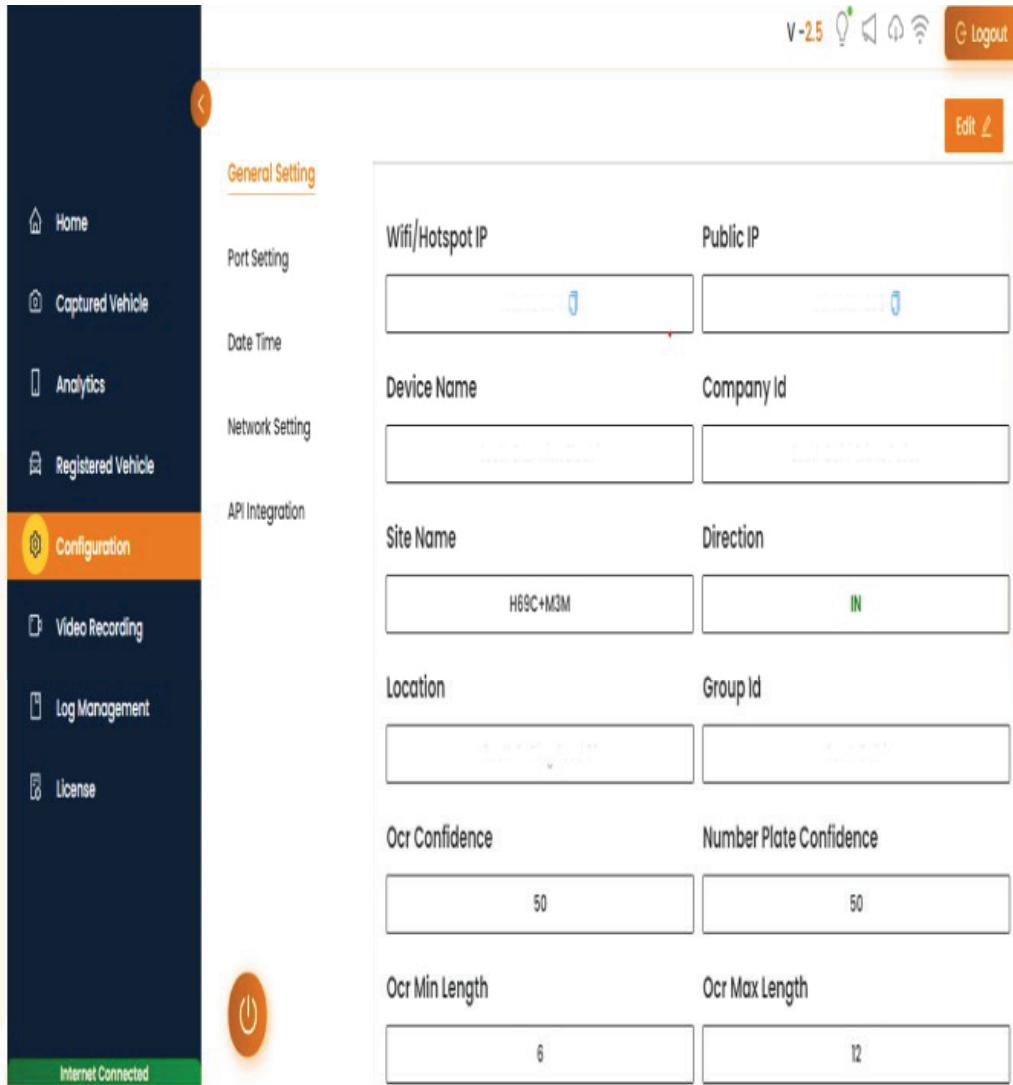
Category	Vehicle Details	Sync Status
Unregistered	Electric Bus (Lane-2)	DUC8353   15/03/2023, 11:14:57 AM
Unregistered	Commercial Van (Lane-2)	DLITC2054   15/03/2023, 11:14:57 AM
Unregistered	Private Car (Lane-1)	HR9809076   15/03/2023, 11:14:53 AM
Unregistered	Private Car (Lane-2)	DLCAU7985   15/03/2023, 11:14:57 AM
Unregistered	Commercial Van (Lane-1)	VIP16ET6886   15/03/2023, 11:14:57 AM

At the bottom of the interface, there is a green button labeled "Internet Connected" and a navigation bar with page numbers (1, 2, 3, 4, 5, ..., 8467), a "page" dropdown, and "Go to" fields. To the right of the navigation bar are three circular icons: a download icon, a refresh icon, and a settings icon.

# 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**

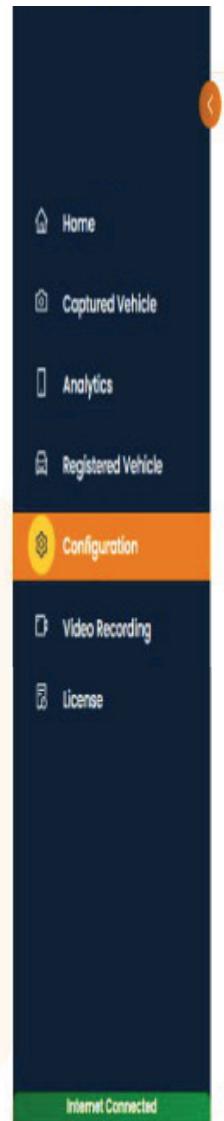
Wifi/Hotspot IP	Public IP
<input type="text"/>	<input type="text"/>
Device Name	Company Id
<input type="text"/>	<input type="text"/>
Site Name	Direction
<input type="text"/> H69C+M3M	<input type="text"/> IN
Location	Group Id
<input type="text"/>	<input type="text"/>
Ocr Confidence	Number Plate Confidence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

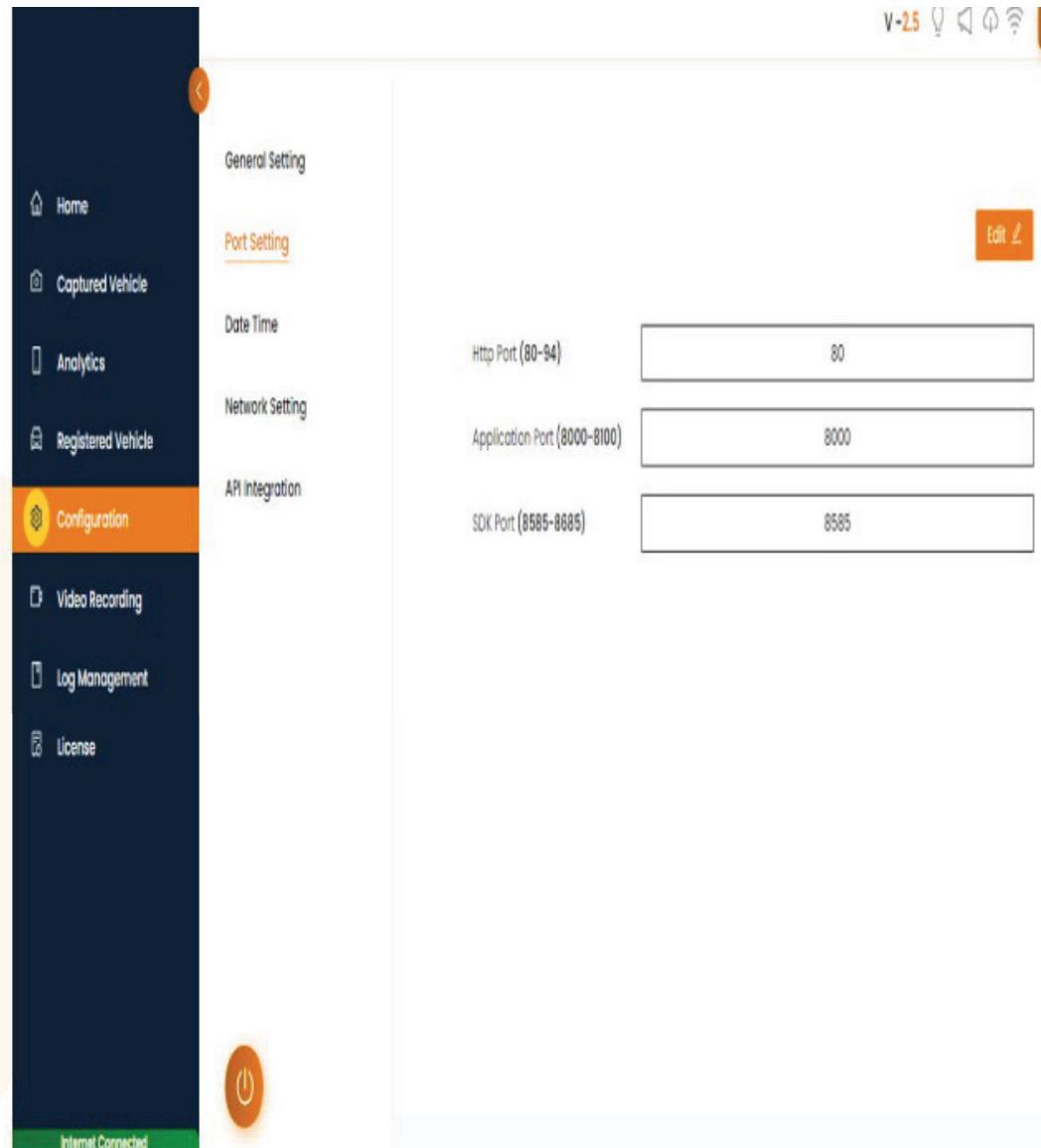
**Client Server:** Device will send the data to client server i.e. server address defined in API integration section.



General Setting			
Port Setting	Ocr Min Length 6	Ocr Max Length 12	
Date Time	Gate Control Closed	Unregistered Unreg. Boom	
Network Setting	Saved	Disabled	
API Integration	Duplicate Entry Time Span Log 1 Minute	Device Unique Id	
	Relay Duration 28.56907	Data Sent Mode Longitude 77.22019	
	Latitude 28.56907	Substream Url http://192.168.1.10:8080/	
	Discard Duplicate Entry Exact Match	Image Resolution 1920X1080	Image Quality(40-100) 60

# Configuration (Port Setting)

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

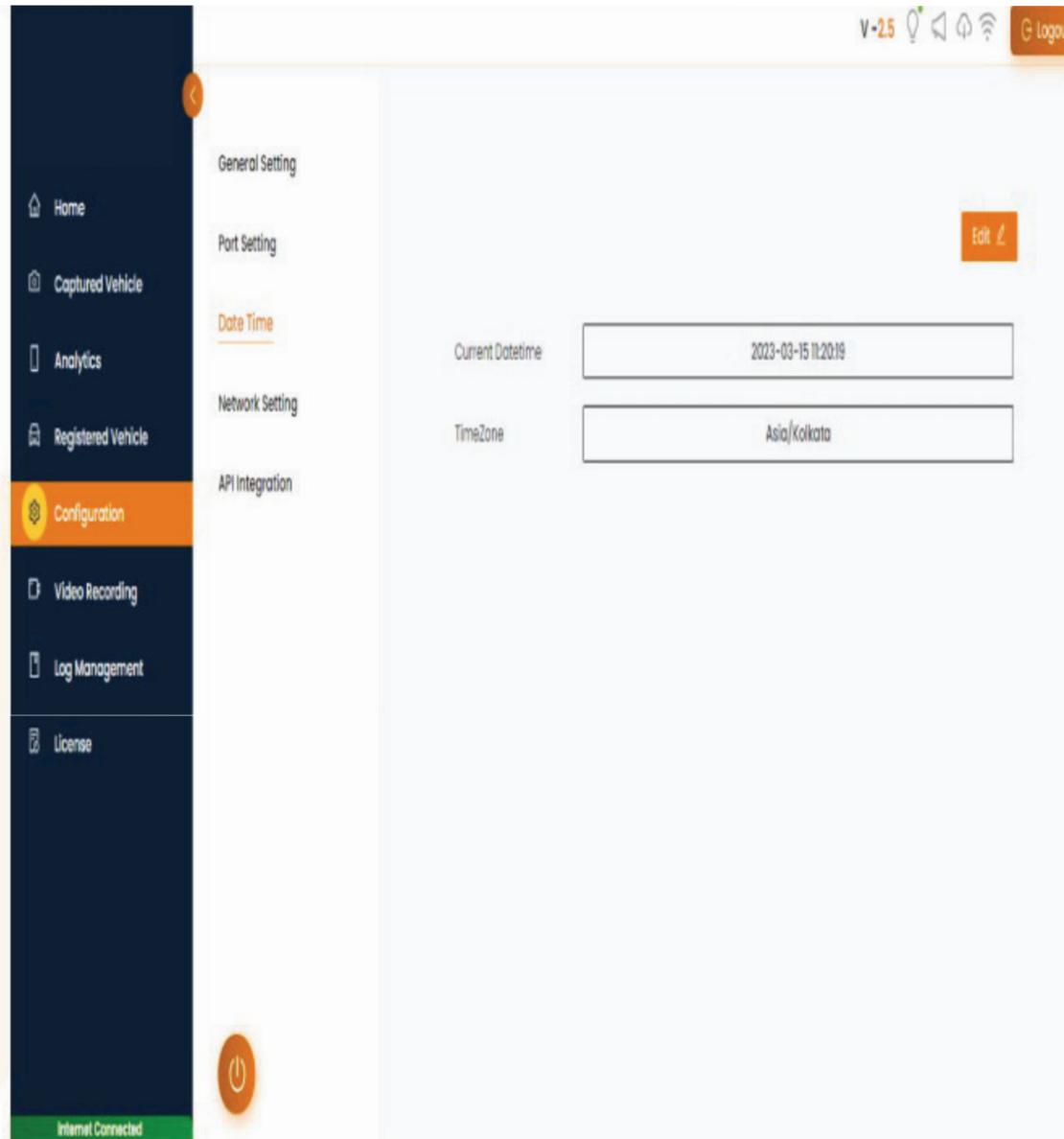


The screenshot shows the TIMEWATCH configuration interface. On the left is a sidebar with navigation links: Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration (which is highlighted in orange), Video Recording, Log Management, and License. At the bottom of the sidebar is a green bar with the text "Internet Connected". On the right, the main content area has a header "Port Setting" with an "Edit" button. Below this are sections for Date Time, Network Setting, and API Integration, each with input fields for port numbers. The "Edit" button is located at the top right of the main content area.

Setting	Value
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.

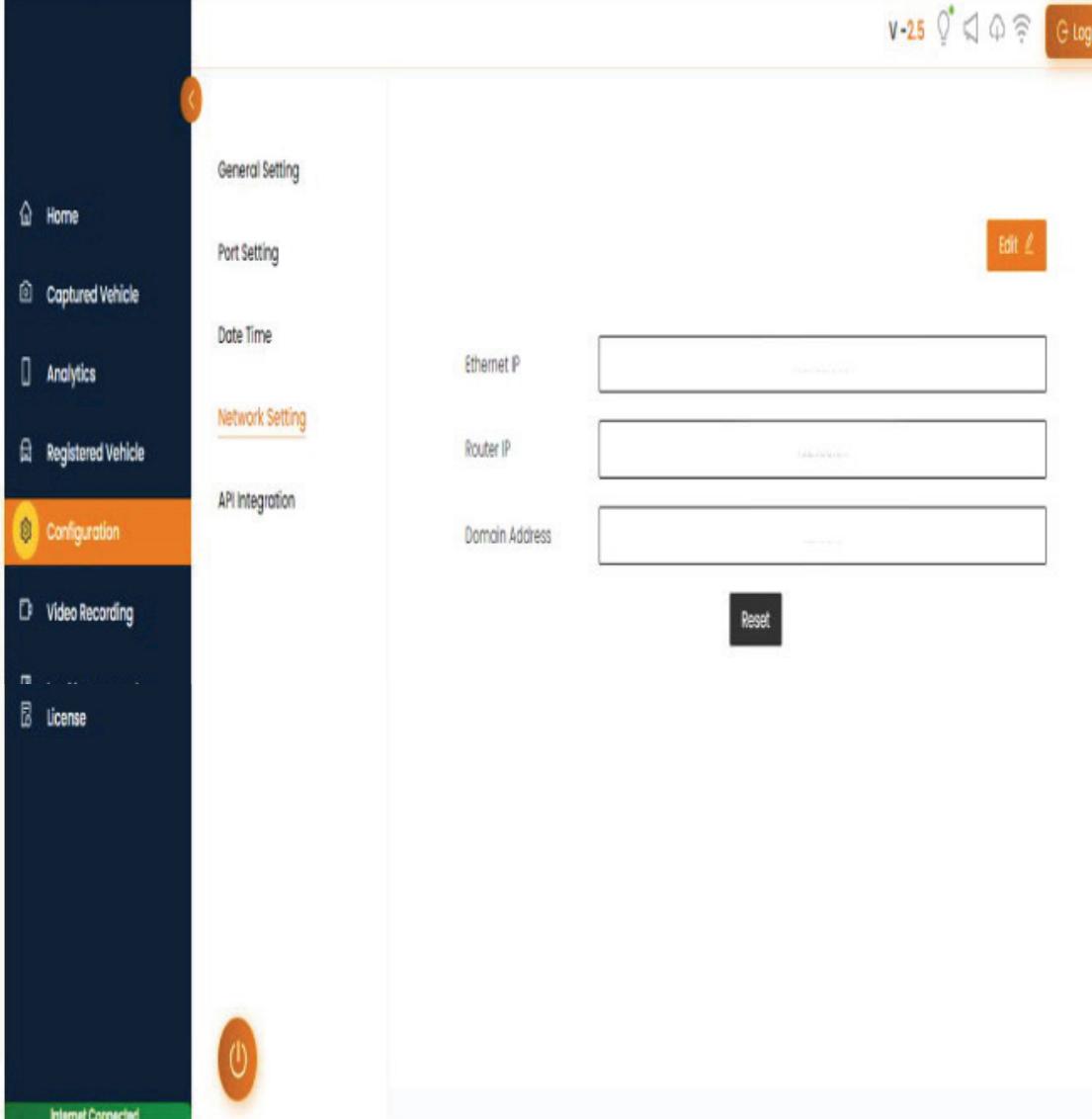


The screenshot shows the TIMEWATCH configuration interface. On the left is a sidebar menu with the following options: Home, Captured Vehicle, Analytics, Registered Vehicle, Configuration (which is selected and highlighted in orange), Video Recording, Log Management, and License. At the bottom of the sidebar, it says "Internet Connected". On the right, there is a main panel titled "Date Time". It contains two input fields: "Current Datetime" with the value "2023-03-15 11:20:19" and "TimeZone" with the value "Asia/Kolkata". There is also an "Edit" button with a pencil icon. The top right corner of the main panel has icons for battery level (V+25), signal strength, and a logout button.

Setting	Value
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. On the left is a sidebar with the following menu items:

- Home
- Captured Vehicle
- Analytics
- Registered Vehicle
- Configuration** (highlighted in orange)
- Video Recording
- ...
- License

A green bar at the bottom of the sidebar indicates "Internet Connected". On the right, the main content area has a header with version information (V-2.5) and icons for battery level, signal strength, and a power button. The top right corner has a "Logout" button. The main content area is titled "Network Setting" and contains three input fields:

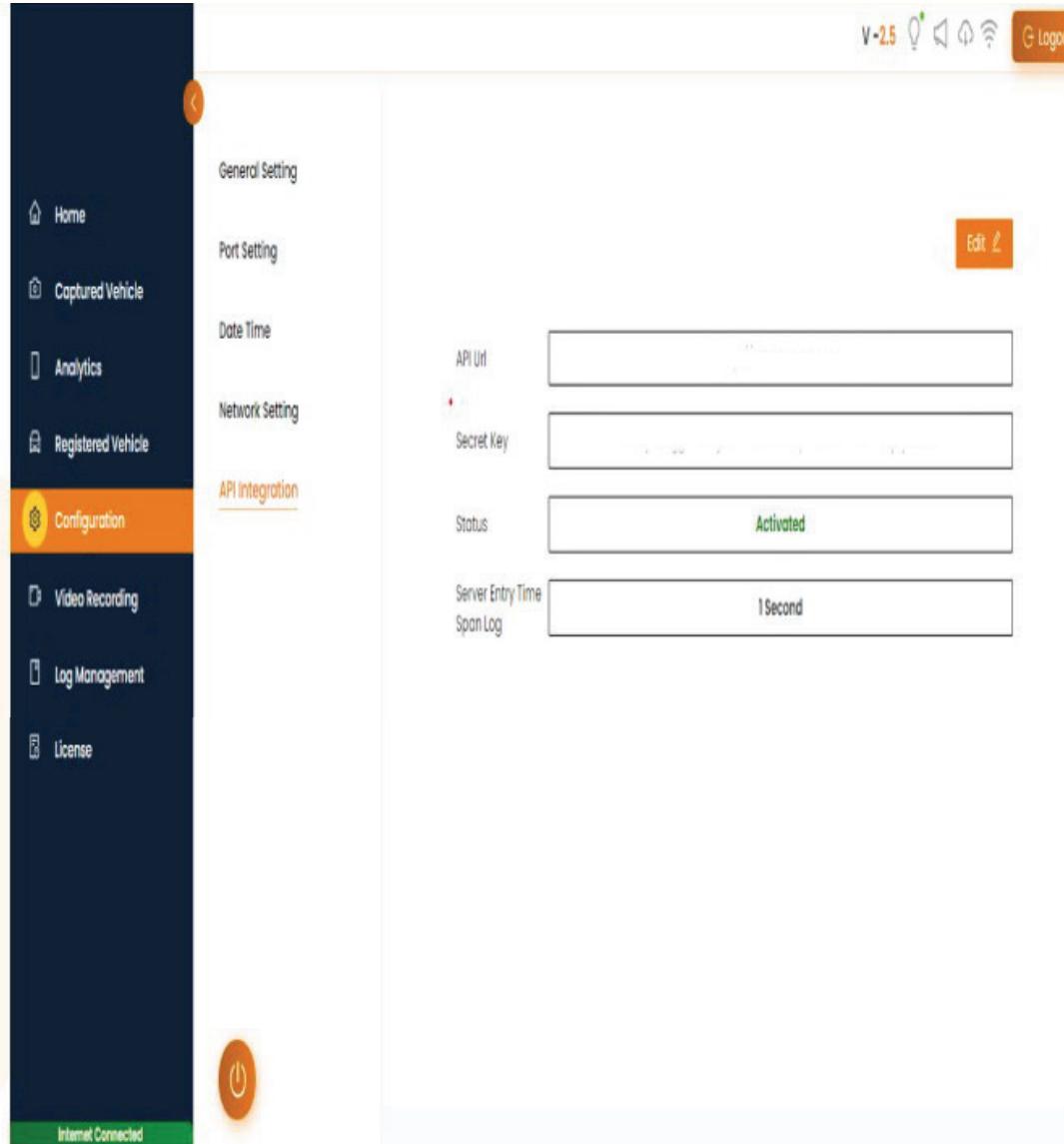
Setting	Value
Ethernet IP	<input type="text"/>
Router IP	<input type="text"/>
Domain Address	<input type="text"/>

Below the input fields is a "Reset" button.

# 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". The main content area has a white background with a header bar at the top right containing icons for V-2.5, battery level, signal strength, and a Logout button. The main content area is titled "API Integration" and contains several configuration fields:
 

- API Url:** An input field with placeholder text "http://192.168.1.100:8080/api/v1/device/status".
- Secret Key:** An input field with placeholder text "1234567890".
- Status:** A dropdown menu showing "Activated".
- Server Entry Time Span Log:** An input field with the value "1Second".

 There is also an "Edit" button with a pencil icon and a small orange circular icon with a checkmark in the top right corner of the configuration area.

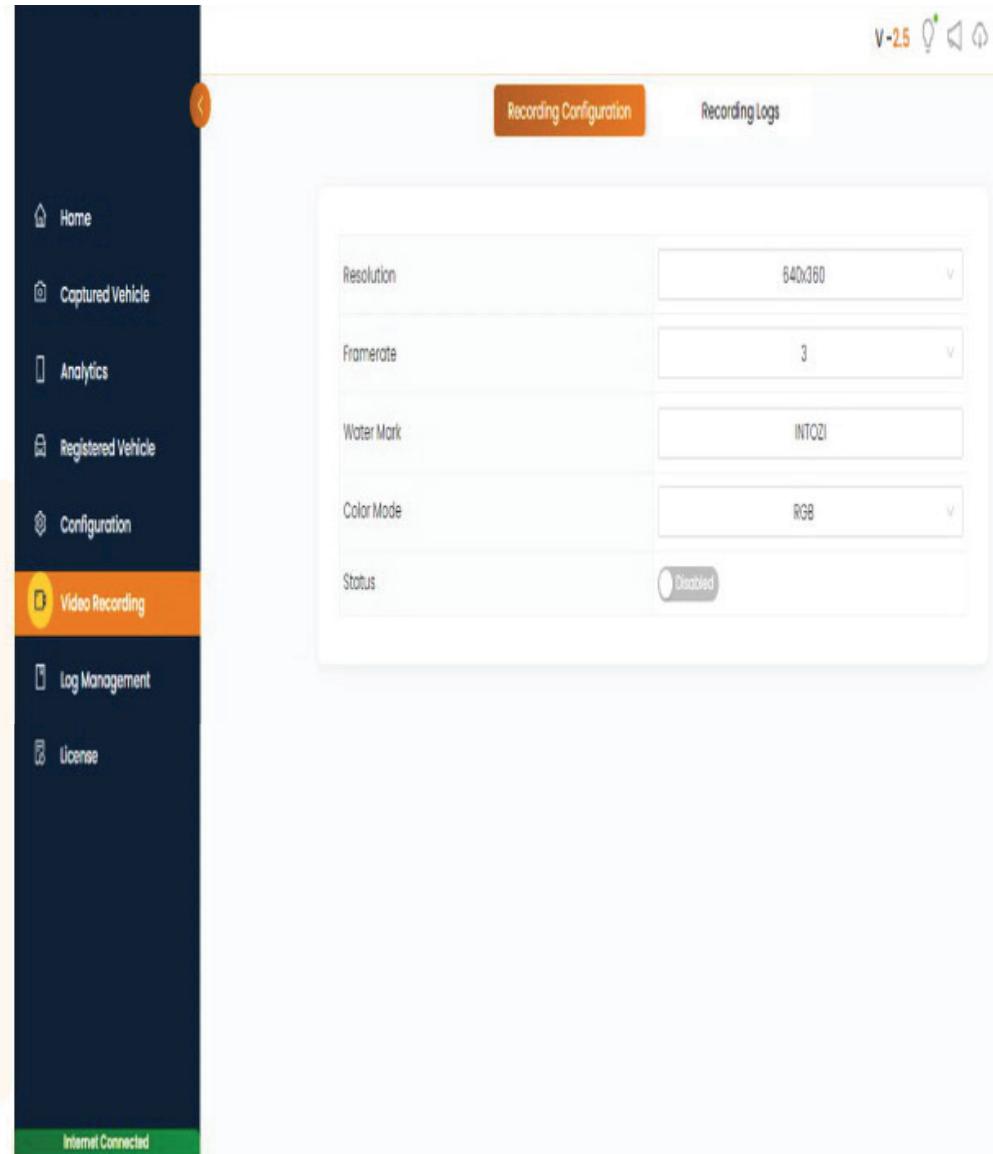
# Video Recording

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.



The screenshot shows the software interface with a sidebar menu and a main configuration panel.

**Sidebar Menu:**

- Home
- Captured Vehicle
- Analytics
- Registered Vehicle
- Configuration
- Video Recording** (highlighted)
- Log Management
- Licence

A green banner at the bottom of the sidebar says "Internet Connected".

**Main Configuration Panel:**

The main panel has two tabs: "Recording Configuration" (selected) and "Recording Logs".

**Recording Configuration Settings:**

Resolution	640x360	V
Framerate	3	V
Water Mark	INTQZI	
Color Mode	RGB	V
Status	Disabled	

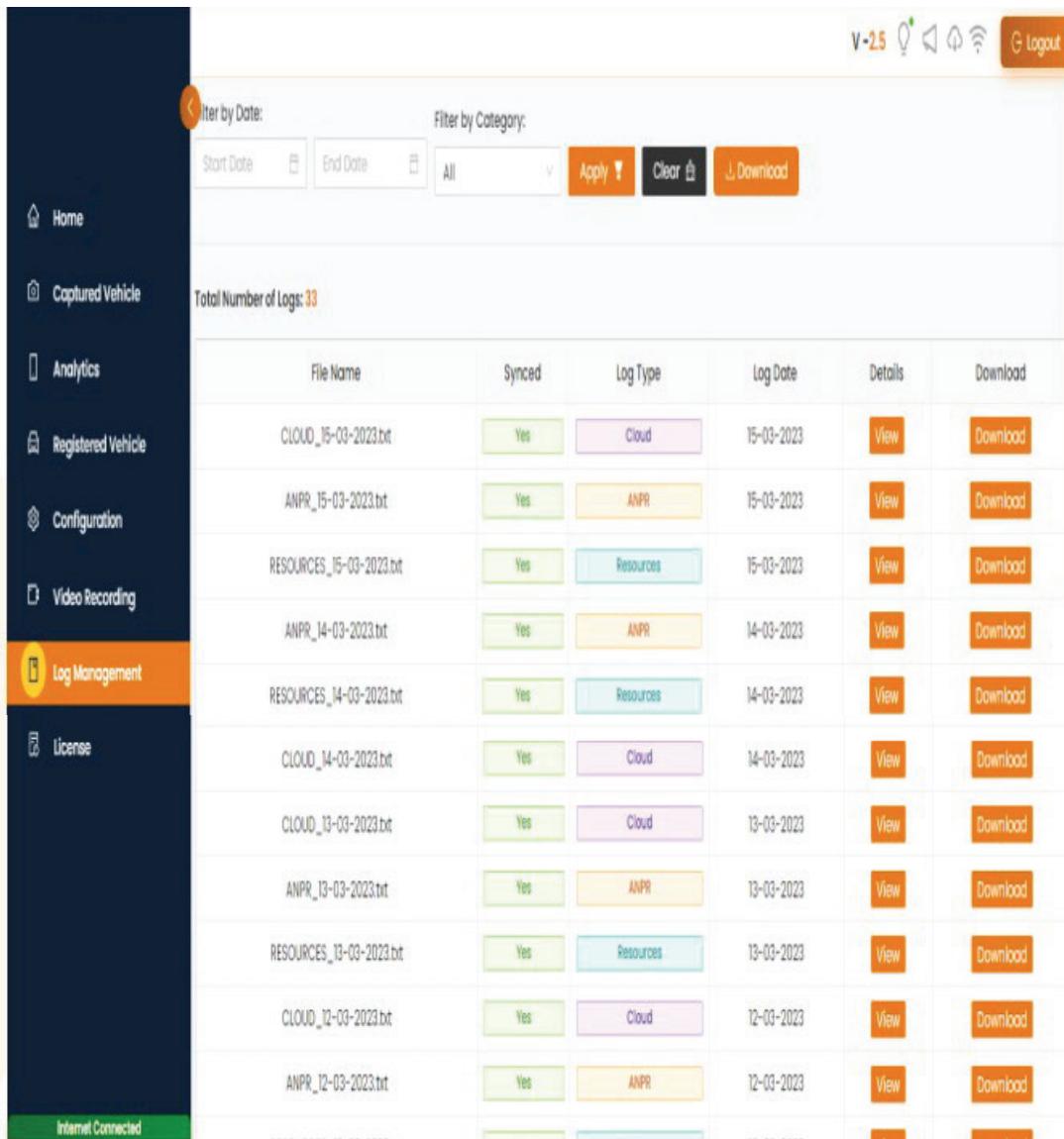
At the top right of the main panel, there are status icons: V-2.5, battery level, signal strength, and a "Logout" button.

# 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 section of the TIMEWATCH application. 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 the status "Internet Connected". The main area has a header with "Filter by Date:" and "Filter by Category:" sections, along with "Start Date", "End Date", "All", "Apply", "Clear", and "Download" buttons. Below this, it displays "Total Number of Logs: 33". A table lists the logs with the following data:

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

# 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
<a class="button" href="#">Upgrade</a> <a class="button" href="#">Uninstall</a>	