Vision Insight

User Manual For BI DASHBOARD WEB APPLICATION

Version: 1.1

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Vision Insight

Table of Contents

Contents

1.	Introduction	3
2.	Getting Started	4
2.1	Login Process:	4
2.2	Forgot Password	5
3.	Navigation Overview	6
4.	Settings	11
4.1	Manage Users	11
4.2	Role & Permission	13
4.3	Assign Roles to Users	16
4.4	Multisite Setup	17
4.5	General	20
4.6	License	22
4.7	Backup & Restore	24
5.	Configuration	26
5.1	Manage Device	26
5.2	Floor Plans & Zones	29
6.	Events	34
6.1	Event Log	34
7.	Reports	37
8.	Monitoring	42
9.	Dashboard	46
9.1	Dashboard Creation	46
9.2	Add Widget Screen	47
9.3	Filter and Export Option	50
9.4	Widgets	53
9.5	Setup Page	74
9.6	Export as CSV Option	75
9.7	Duration Selection Filter Option	77
9.8	Expand Option	78
10	Voice Command	80



1. Introduction

The **BI Dashboard Web Application** is a web-based platform designed to help users monitor, analyse, and manage business intelligence data efficiently. It provides an intuitive interface for visualizing camera analytics, site performance, and AI-based insights across multiple locations.

This manual serves as a guide for administrators and users to understand system features, configurations, and daily operations—such as managing users, roles, devices, floor plans, dashboards, and reports.

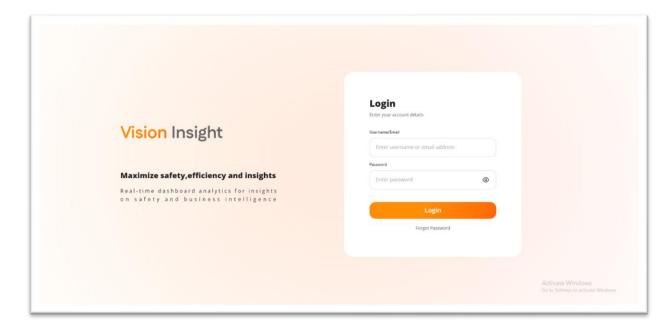


2. Getting Started

- This section explains how users can log in to the BI Dashboard Web Application.
- Password reset or change cannot be done by the users directly. In such cases, the user must contact the System Administrator.

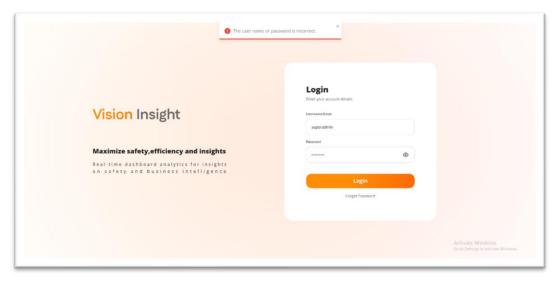
2.1 Login Process:

Screen



- Steps to Login
 - ✓ Enter **Username or Email** and **Password** in the respective fields.
 - ✓ Click Login to proceed.
 - ✓ On successful validation, the user is redirected to the **Dashboard** page.
 - \checkmark If invalid credentials are entered, an appropriate **error message** is displayed.
 - ✓ If the account is **Inactive** or **Deleted**, login is denied, and the user must contact the **Super Admin or authorized user** for assistance.

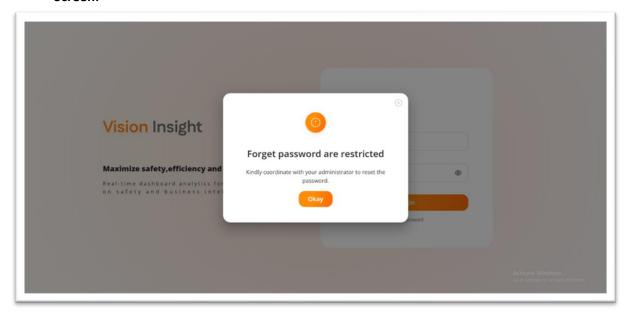




- If credentials are invalid, appropriate error message will be shown.
- If account is Inactive/Deleted, login is denied, and user must contact an active admin.

2.2 Forgot Password

• Screen:



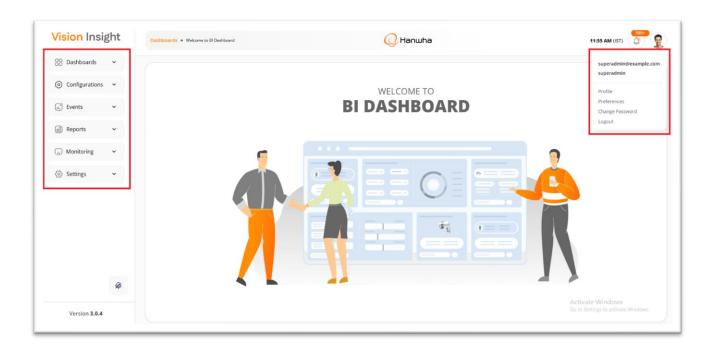
Flow & steps:

 Clicking on the Forgot Password link displays the message: "Kindly coordinate with your administrator to reset the password."



3. Navigation Overview

Screen:



• Menu Options:

- **Dashboards** Create and manage multiple dashboards with custom names.
- Configurations Manage Devices, Floor Plans & Zones.
- Events View and acknowledge Event Logs.
- **Reports** Access My Reports, Site Performance Comparison, and Zone Performance Comparison Reports.
- Monitoring Create and manage multiple monitoring setups.
- Settings Manage Users, Roles & Permissions, Multisite Setup, General Settings, and License.

• Profile Menu (Top-Right Corner):

- Profile View user details.
 - Screen





Steps to View Profile:

- ✓ Click on the **Profile** option from the top-right corner of the application header.
- ✓ The system displays information specific to the logged-in user.

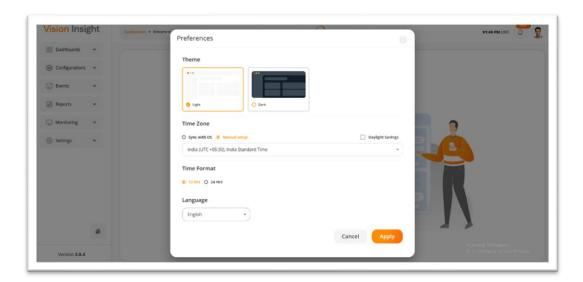
Details Displayed:

- Profile Image
- o Full Name (First & Last Name)
- Username
- o Email Address
- o Roles (assigned from Manage Users page)

Actions Available:

- ✓ Users can view their profile details.
- ✓ Users can **update their profile image** by clicking on the current image and selecting a new one.
- ✓ The updated profile picture appears across the system after relogging in.
- Preferences Manage theme, time zone, and language preferences.
 - Screen





Steps to Access:

- ✓ Click on the **Profile icon** at the top-right corner of the screen.
- ✓ Select **Preferences** from the dropdown menu.
- ✓ The Preferences page will appear with options to customize the interface and display settings.

Options Available:

Color Theme

- ✓ Users can choose between Light and Dark themes.
- ✓ The application interface updates instantly based on the selected theme.
- ✓ By default, the Light theme is applied.

Time Zone

- ✓ Users can configure the time zone using either of the following:
 - Sync with OS: The system automatically applies to the device's time zone.
 - Manual Setup: Users can select from a predefined list of time zones.
- Optionally, enable **Daylight Savings** for automatic time adjustment where applicable.
- ✓ The selected time zone affects date and time display across the entire system.

Time Format

- ✓ Users can select their preferred time format:
 - 12-Hour Format (AM/PM)
 - o **24-Hour Format**
- ✓ The selected format will be applied throughout the system wherever time is displayed.

Language

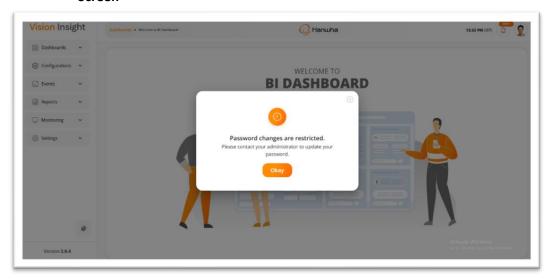
✓ The system currently supports English only.



Save Changes:

- ✓ After updating preferences, click Apply to save the changes.
- ✓ A success or error message will confirm whether the changes were saved successfully.
- Change Password Request administrator supports for password changes.

Screen



Steps to Access:

- ✓ Click on the **Profile icon** at the top-right corner of the screen.
- ✓ Select **Change Password** from the dropdown menu.
- ✓ The system displays an informational message regarding password changes.

Functionality:

- ✓ Users **cannot** change or reset their own passwords directly through the BI Dashboard Web Application.
- ✓ To reset or change a password, users must contact a Super Admin or an authorized user.
- ✓ Only Super Admins or authorized users can update or reset passwords from the **Manage Users** page.

System Message Displayed:

"Kindly coordinate with your administrator to change your password."

Additional Note:

- ✓ If the **Super Admin** forgets their password, they must contact the **technical development team** to reset or change it.
- Logout Securely log out of the system.



• Access Rules:

- Users can view only the menus and actions permitted by their assigned roles.
- All users can access Profile, Preferences, Change Password, and Logout.
- Unauthorized menus and actions are automatically hidden from view.

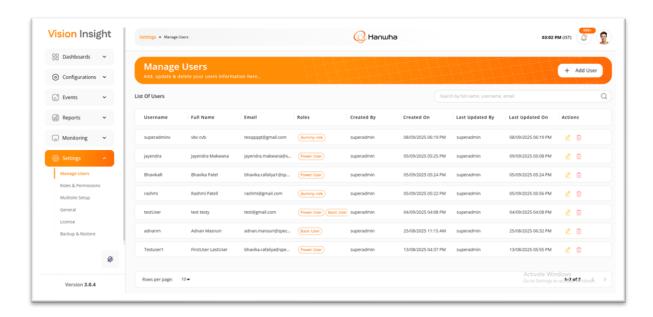


4. Settings

- This section explains how admin users can create, edit, delete, and manage users within the BI Dashboard Web Application.
- It also covers rules for unique credentials, password policy, and soft delete functionality.

4.1 Manage Users

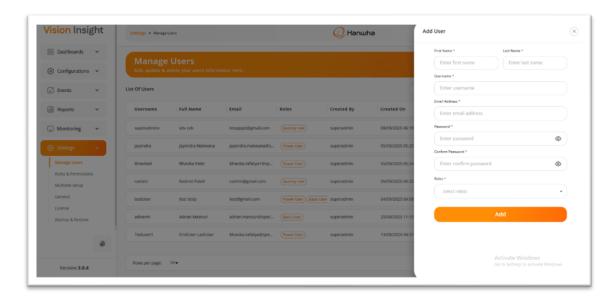
Screen:



• Steps to Access:

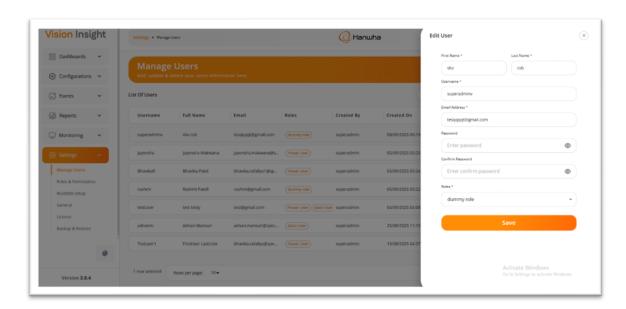
- ✓ Navigate to **Settings** → **Manage Users** from the left sidebar menu.
- ✓ The system displays a list of all users created in the BI Dashboard Web Application.
- ✓ Super Admin or authorized users can perform actions such as Add, Edit, or Delete based on assigned permissions.
- Steps to Add a New User:





- ✓ Click Add User.
- ✓ Enter the required details in the form fields:
- ✓ First Name*
- ✓ Last Name*
- ✓ Username*
- ✓ Email Address*
- ✓ Password*
- ✓ Confirm Password*
- ✓ Roles*
- ✓ Click Save to create new user.

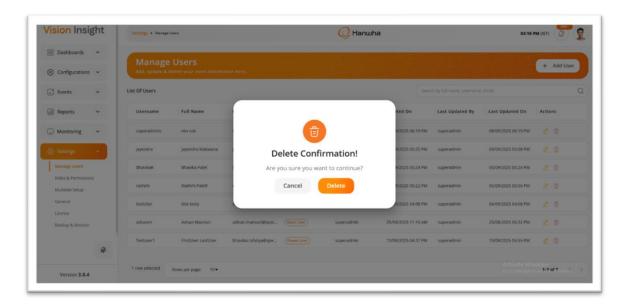
• Steps to Edit an Existing User:





- ✓ Click Edit next to the selected user.
- ✓ Update relevant details as required.
- ✓ The Password and Confirm Password fields will be visible only to authorized users.
- ✓ Click Update to save changes.

• Steps to Delete a User:



- ✓ Click Delete icon next to the selected user.
- ✓ A confirmation popup will appear.
- ✓ Click Yes to confirm deletion.
- ✓ The user record will be deleted.

• Password Criteria:

- ✓ Minimum 8 characters
- ✓ At least 1 uppercase letter
- ✓ At least 1 lowercase letter
- ✓ At least 1 numeric digit
- ✓ At least 1 special character (excluding "*")

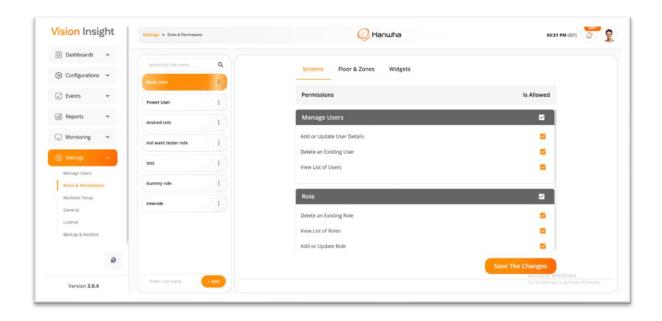
Additional Information:

- ✓ Duplicate Email Address or Username entries are not allowed.
- ✓ Authorized users can assign multiple roles to each user.
- ✓ Filters like Sort, Filter, Hide Column, and Manage Columns are available for easier data handling.
- ✓ Filters reset automatically when the page is reloaded or navigated away from.

4.2 Role & Permission

• Screen:

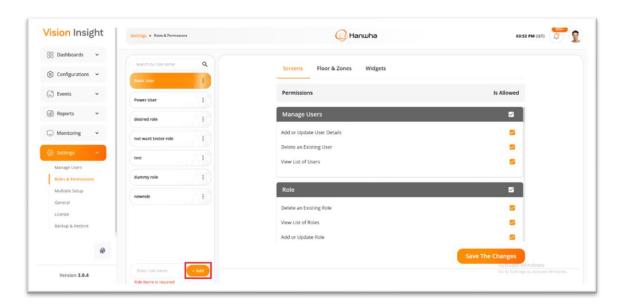




• Steps to Access:

- \checkmark Navigate to Settings \rightarrow Roles & Permissions from the left sidebar menu.
- ✓ The system displays a list of all existing roles with management options based on user permissions.

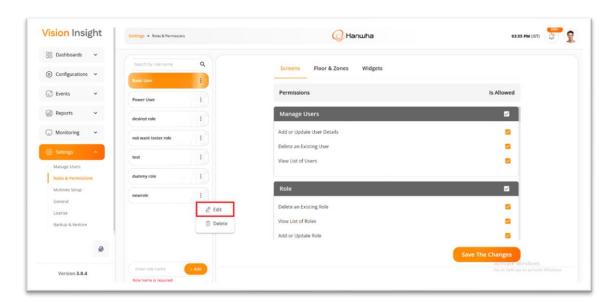
• Steps to Add a New Role:



- ✓ Click Add Role.
- ✓ Enter the Role Name* in the form.
- ✓ Assign appropriate permissions such as Add, Update, Delete, and View for specific screens, zones, floors, and widgets.
- ✓ Click Save to create the new role.

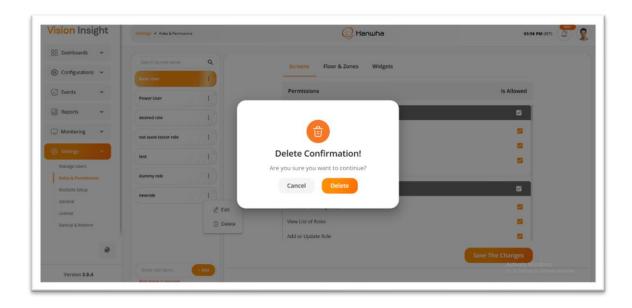


• Steps to Edit a Role:



- ✓ Click Edit next to the selected role.
- ✓ Update the permissions or role details as required.
- ✓ Click Update to save the changes.
- ✓ The updated permissions will take effect only after the assigned users log in again.

Steps to Delete a Role:



- ✓ Click Delete next to the selected role.
- ✓ A confirmation popup will appear.
- ✓ Click Yes to confirm deletion.
- ✓ The system performs a soft delete the record remains in the database but is hidden from the web application.
- ✓ Roles associated with users cannot be deleted.



• Floor & Zone Permissions:

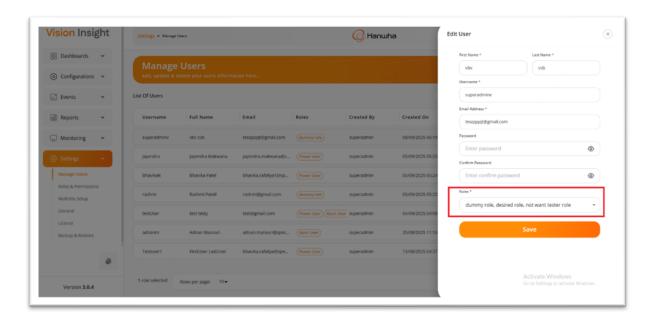
- ✓ Permissions are managed at Floor Plan and Zone levels only.
- ✓ The Admin User must manually assign appropriate permissions for each floor and zone.
- ✓ The system does not automatically handle permissions for cameras mapped to multiple zones.
- ✓ Displayed data strictly follows the permissions assigned at the floor and zone levels

Additional Information:

- ✓ Role Name* is mandatory.
- ✓ Duplicate roles or user-role mappings are not allowed.
- ✓ Super Admin has full access by default.
- ✓ Unauthorized actions such as Add/Edit/Delete cannot be assigned to screens like Profile, Change Password, or Preferences.
- ✓ The system maintains a change history for all permission updates.

4.3 Assign Roles to Users

• Screen:



• Steps to Access:

- ✓ Navigate to **Settings** → **Manage Users** from the left sidebar menu.
- ✓ Select **Add User** or **Edit User**.
- ✓ The **Roles** dropdown will be available within the user creation/edit form.

• Steps to Assign Roles:

- ✓ From the **Roles** dropdown, select one or multiple roles to assign to the user.
- ✓ Click **Save** to apply the role assignment.
- ✓ The assigned roles define the user's access permissions within the system.



• Steps to Modify Role Assignment:

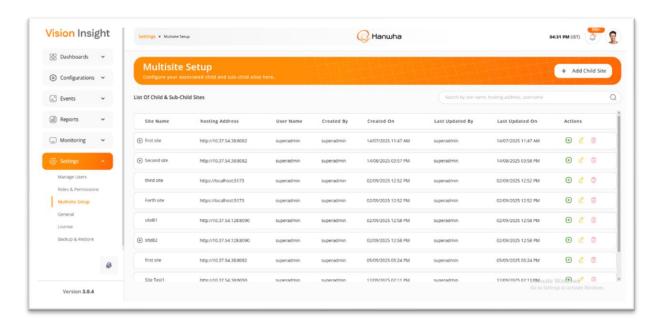
- ✓ Open the Edit User form for the desired user.
- ✓ Update the assigned roles as needed.
- ✓ Click Update to save the changes.
- ✓ The updated roles take effect after the user logs out and logs in again.

Access Rules:

- ✓ Only **Super Admins** or **Authorized Users** can assign or update user roles.
- ✓ Role-based permission determines which screens, features, and actions are visible to each user.
- ✓ The system ensures that users can access only the functionalities permitted by their assigned roles.

4.4 Multisite Setup

• Screen:

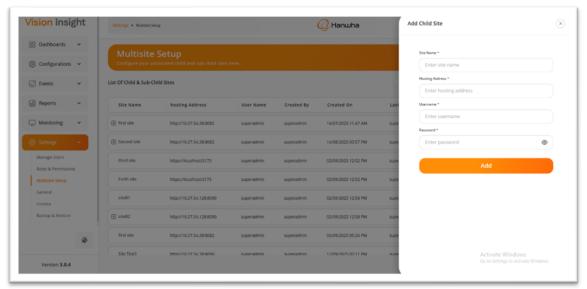


Steps to Access:

- ✓ Navigate to Settings → Multisite Setup from the left sidebar menu.
- ✓ The system displays all configured child and sub-child sites in a hierarchical structure.
- ✓ This screen is accessible only to Parent Site's Authorized Users or Super Admins.

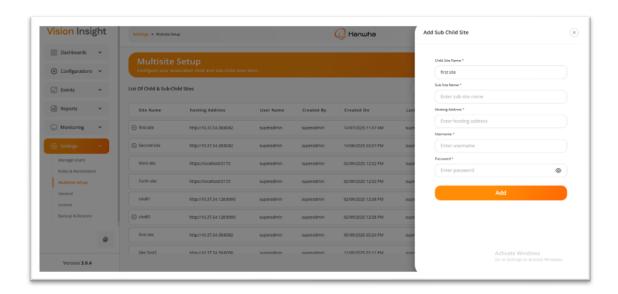


• Steps to Add a Child Site:



- ✓ Click Add Child Site.
 - Enter the required details:
 - Site Name
 - Hosting Address / URL
 - Username
 - Password
- ✓ Click Save to create the child site.
- ✓ The system validates the connection and displays a success or error message based on the result.

• Steps to Add a Sub-Child Site:

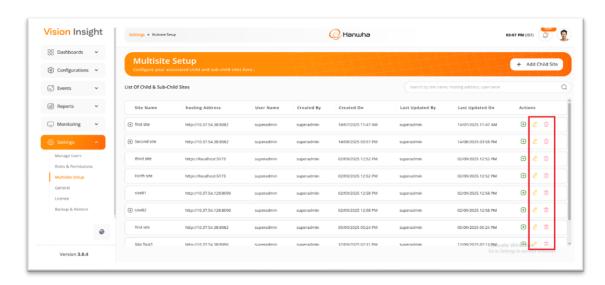


- ✓ Click the "+" icon next to a child site.
- ✓ Enter the required details in the Add Sub-Child Site form.
- ✓ The parent site name will appear as non-editable.



✓ Click Save to add the sub-child site.

• Steps to Edit or Delete:



- ✓ Click Edit to update existing site information.
- ✓ Click Delete to remove a child or sub-child site.
- ✓ A confirmation popup will appear before deletion.
- ✓ Once confirmed, the record will be deleted from the list.

• Permissions:

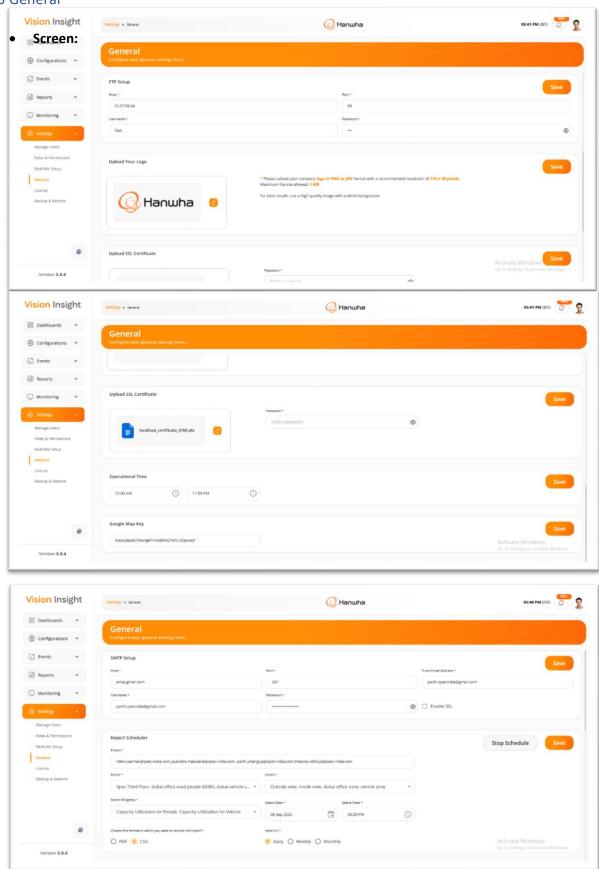
- ✓ Only Parent Site's Authorized Users or Super Admins can configure multisite details.
- ✓ The system supports up to three levels: Parent \rightarrow Child \rightarrow Sub-Child.
- ✓ Super Admins must manually assign screen-level permissions during initial setup.
- ✓ Permissions are not automatically managed by the system.

• Additional Information:

- ✓ Users can search sites using Site Name or Hosting Address.
- ✓ The system displays grouped Child and Sub-Child sites in a structured format.
- ✓ Vertical scrolling is supported for easy navigation (pagination not available).
- ✓ Users can expand a child site to view associated sub-child sites.
- ✓ Once configured, parent users can view data only for their own child and sub-child sites.



4.5 General





• Steps to Access:

- ✓ Navigate to **Settings** → **General** from the left sidebar menu.
- ✓ The page displays multiple independent configuration sections, each accessible only to Super Admin or Authorized Users.

SMTP Setup

- ✓ Configure outgoing email settings by entering the following details:
 - ❖ Host*
 - ❖ Port*
 - From Email Address*
 - Username*
 - Password*
 - Enable SSL (checkbox)
- ✓ Click Save to apply settings.
- ✓ The system sends email notifications only when SMTP is properly configured.

Report Scheduler

- ✓ Configure automated report delivery to specific recipients by entering the following fields:
 - Emails* One or multiple recipient email addresses (comma-separated).
 - Floors* Select one or more floors to include in the report.
 - Zones* Select one or more zones to include.
 - Select Widget(s)* Choose one or more widgets such as Capacity Utilization for People or Capacity Utilization for Vehicle.
 - Select Date* Choose the report generation date.
 - Select Time* Choose the time to send the report.
 - Format Choose PDF or CSV as the output format.
 - Send On Choose the report frequency (Daily, Weekly, or Monthly).
- ✓ Click **Save** to activate the schedule.
- ✓ Use **Stop Schedule** to pause or cancel an existing report schedule.

FTP Setup

- ✓ Enter the following details:
 - Host* IP address or server hostname.
 - Port* Port number for FTP communication.
 - Username* FTP user name.
 - Password* FTP account password.
- ✓ Click Save to apply and validate settings.
- ✓ The system uses these credentials for file transfer operations and event video retrieval.

• Upload Company Logo

- ✓ Click Upload Logo to select your company logo file.
- ✓ Supported formats: PNG or JPG.
- ✓ Recommended resolution: 174 × 46 pixels.
- ✓ Maximum file size: 1 MB.
- ✓ The uploaded logo is displayed in the header once configured.

Upload SSL Certificate

✓ Click Upload SSL Certificate to upload a valid SSL file.



- ✓ Once uploaded, the system uses this certificate for secure access.
- ✓ If no custom certificate is provided, the default Vision Insight SSL will be applied.

• Operational Time

- ✓ Configure daily operational hours by entering:
 - Start Time*
 - End Time*
- ✓ The system calculates all day-based data according to these values.
- ✓ If not configured, the default operational time is 24 hours.

Google Map Key

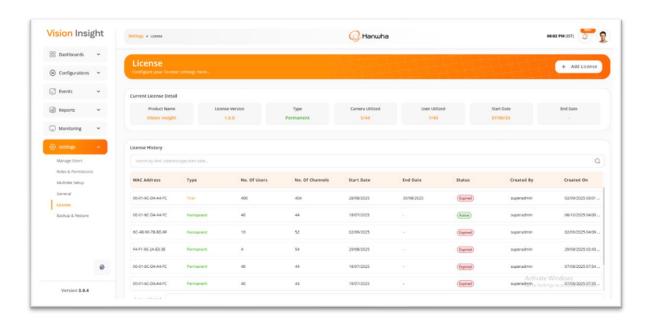
- ✓ Enter the Google Map API Key to enable map-related features.
- ✓ Maps will function only if a valid key is configured.
- ✓ The API key must be purchased and managed by the client.

• Save and Notifications

- ✓ Each configuration section must be saved individually using its Save button.
- ✓ The system displays a "Success" or "Error" message after each save action.

4.6 License

Screen

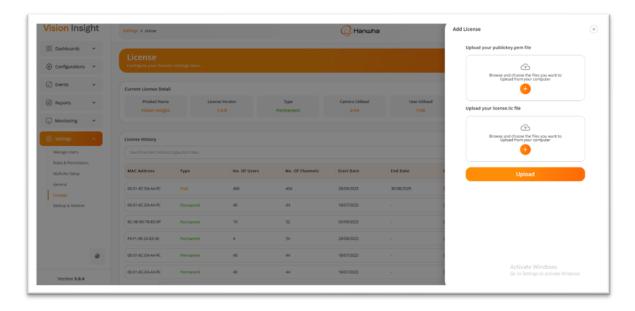


• Steps to Access:

- ✓ Navigate to Settings → License from the left sidebar menu.
- ✓ This page is accessible only to Super Admins or Authorized Users with the required permissions.

• Steps to Upload a License:





- ✓ Click on the Add License button.
- ✓ Upload the following mandatory files:
 - publickey.pem Contains the customer's public key used for license authentication.
 - license.lic Contains the generated license details for the specific customer.
- ✓ Click Submit to upload the license files.
- ✓ The system validates the MAC Address of the customer's PC against the one stored in the license file.
 - If the MAC Address matches, the license is uploaded successfully, and details are displayed.
 - ❖ If the MAC Address does not match, an "Unauthorized" error message is shown, and the user is instructed to contact the administrator.

• License Details Displayed:

- After successfully uploading, the system displays the following license information:
 - Product Name (e.g., Vision Insight)
 - ❖ Version (e.g., 1.0.0)
 - Type (Permanent / Trial)
 - Camera Utilized (e.g., 16/30)
 - User Utilized (e.g., 8/12)
 - Start Date (e.g., 25/03/2025)
 - End Date (e.g., 10/04/2025 or "-")
- A confirmation message will also appear upon successful upload.

• License History Section:

- The system maintains a complete record of all uploaded licenses.
- License history is displayed in a searchable, tabular format with the following columns:
 - MAC Address
 - Type
 - No. of Users



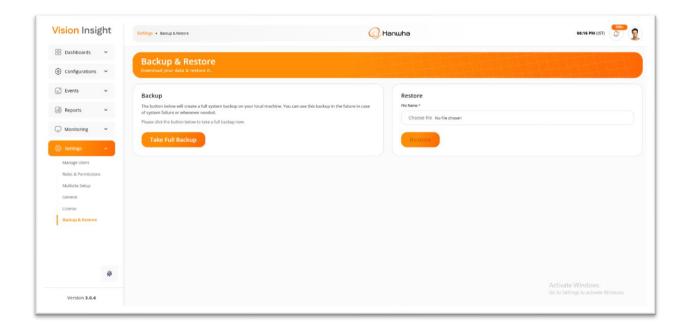
- No. of Channels
- Start Date
- End Date
- Status
- Created By
- Created On
- Users can search for specific licenses using MAC Address, Type, or Start Date.

Additional Information:

- Only one license can be active at a time in the system.
- Older licenses remain accessible for audit purposes under the License History section.
- Any new license upload replaces the previously active license.

4.7 Backup & Restore

Screen



Steps to Access:

- ✓ Navigate to Settings → Backup & Restore from the left sidebar menu.
- ✓ This page is accessible only to Authorized Users with the required screen-level permissions.

• Take Full Backup:

- ✓ Click on the Backup button to create a full backup of the system data.
- ✓ The system generates a backup file containing all current configuration and operational data.
- ✓ Once completed, a success message confirms that the backup has been taken successfully.
- ✓ Backups must be initiated manually automated or scheduled backups are not supported.



• Restore Full Backup:

- ✓ Click on the Restore button to restore data from a previously taken backup file.
- ✓ Confirm the restore action when prompted.
- ✓ The system overwrites all existing data with the contents of the selected backup file.
- ✓ Once the restore process is completed, only the restored data will remain in the system.

• Additional Information:

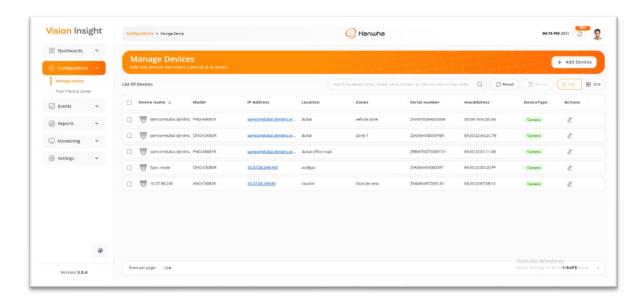
- \checkmark Only users with Restore permission can perform data restoration.
- \checkmark The system does not maintain history of backup or restore operations.
- ✓ It is recommended to perform a backup before any major system update or configuration change.



5. Configuration

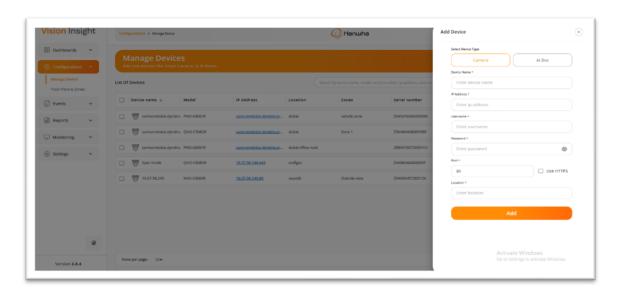
5.1 Manage Device

Screen



• Steps to Access:

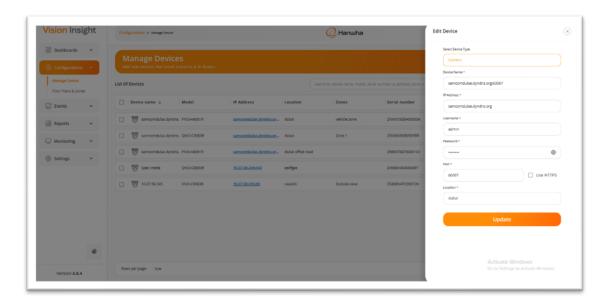
- Navigate to **Configurations** → **Manage Devices** from the left sidebar menu.
- The page is accessible only to Super Admin and Authorized Users based on assigned permissions.
- Devices can be viewed in List View or Grid View as per user preference.
- Steps to Add a New Device:





- Click Add Device.
- Select the **Device Type*** (Camera / AI Box).
- Enter the required details:
 - Device Name*
 - IP Address*
 - Username*
 - Password*
 - Device Port*
 - ❖ Location*
 - Use HTTPS (optional; default port is 443)
 - Total Channels (only for AI Box devices)
- Click Save to add the device to the system.
- The newly added device will appear in the list/grid view.

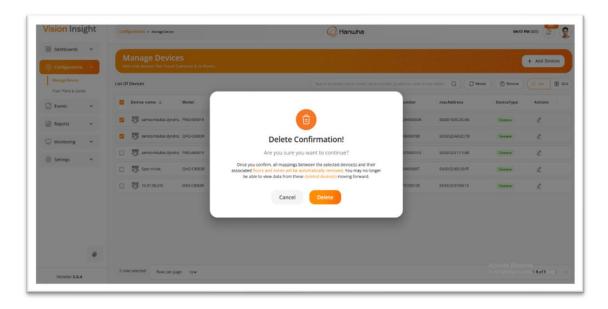
Steps to Edit an Existing Device:



- Click **Edit** next to the desired device record.
- Update any required information and click Update to save changes.
- The system validates for duplicate Device Name and IP Address before updating.

• Steps to Delete a Device:





- Select one or multiple devices from the list.
- Click Remove and confirm the action in the popup.
- Upon confirmation, the system will:
 - Unmap the selected devices from associated floors and zones.
 - ❖ Perform a **soft delete** the records remain in the database but are no longer visible in the web application.

• Device Status and Reload Function:

- The Reload button updates the current online/offline status of all configured devices.
- Upon clicking Reload, the system triggers API calls to fetch the latest device status.
- A loader is displayed on the screen during the process.
- Status information is stored in the database and reflected in the UI.
- Device status data is also refreshed automatically by a background job every 15 minutes (configurable).

• Viewing and Searching Devices:

- Users can switch between List View and Grid View.
- Both views support pagination and adjustable rows per page.
- The following columns are displayed:
 - Selection Checkbox
 - Online/Offline Status Icon
 - Device Name
 - **❖** Model
 - Location
 - Serial Number
 - MAC Address
 - Device Type
 - Action (Edit & View)
- Users can search for devices using Device Name, Model, Serial Number, or MAC Address.
- Clicking an IP Address opens the device URL in a new browser window.
 - Under List View, users can apply filters (Sort, Hide, Manage Columns)



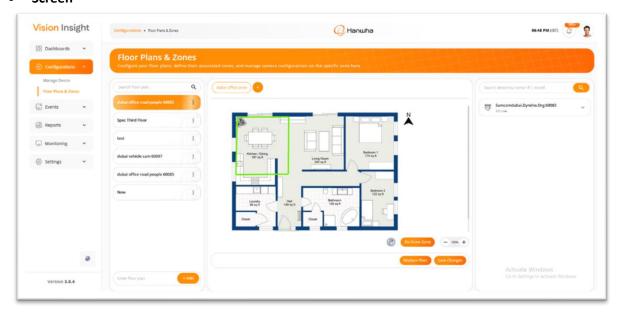
❖ Filters are reset upon page reload or navigation.

• Key Notes:

- Only authorized users can Add, Edit, or Delete devices.
- The system prevents duplicate entries based on Device Name and IP Address.
- Online/Offline status is reflected in real-time through scheduled background updates.

5.2 Floor Plans & Zones

• Screen

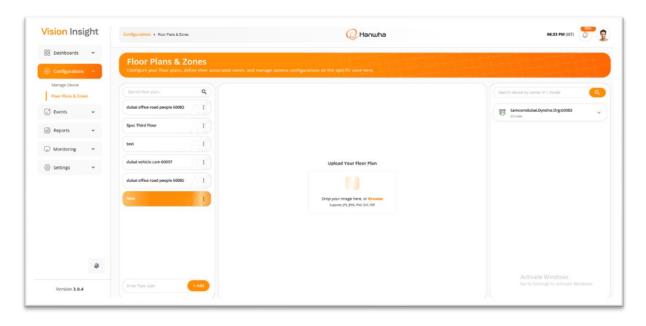


• Steps to Access:

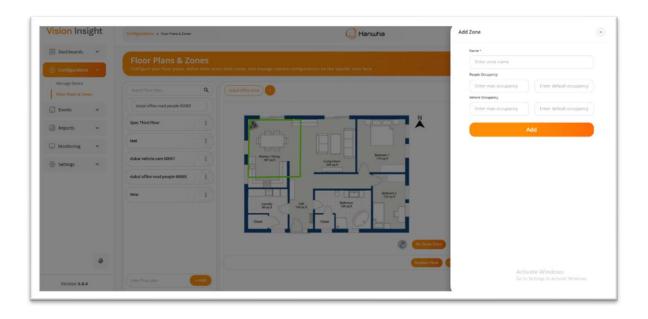
- Navigate to **Configurations** → **Floor Plans & Zones** from the left sidebar menu.
- The page is accessible only to Authorized Users with assigned permissions.
- The system displays either the **Add Floor Plan** option (if none exist) or a list of configured floor plans and their associated zones.

• Steps to Add a Floor Plan:





- Click Add Floor Plan.
- Enter the Floor Plan Name*.
- Upload a floor plan image in one of the supported formats: .pdf, .jpg, .png, .jpeg, or .svg.
 - Maximum file size: 10 MB.
 - Only single-page PDFs are supported.
- Click Save to create the floor plan.
- The system displays the new floor plan in the list view.
- Steps to Add or Edit a Zone:

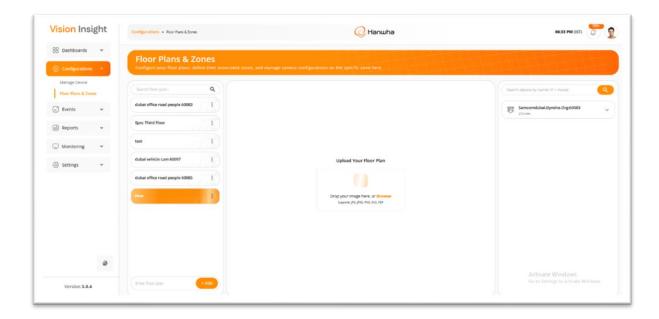


- Select a floor plan and click Add Zone.
- Enter the following details:



- Zone Name*
- People Occupancy* (Max / Default)
- Vehicle Occupancy* (Max / Default)
- ❖ (Note: Either People Occupancy or Vehicle Occupancy is mandatory.)
- Click Save to add the zone.
- To edit a zone, click **Edit**, update required details, and click **Update**.

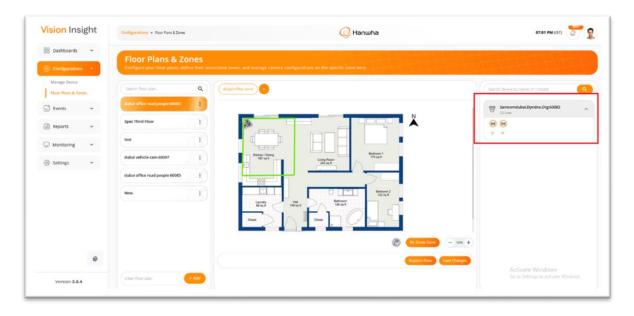
• Floor Plan Image Management:



- Click **Upload Floor Plan Image** to attach or replace an existing layout image.
- Once uploaded, users can:
 - Zoom In / Zoom Out on the floor plan.
 - * Replace the image at any time.
 - Save all applied changes.
- The system ensures visual consistency by maintaining image scaling and layout formatting.

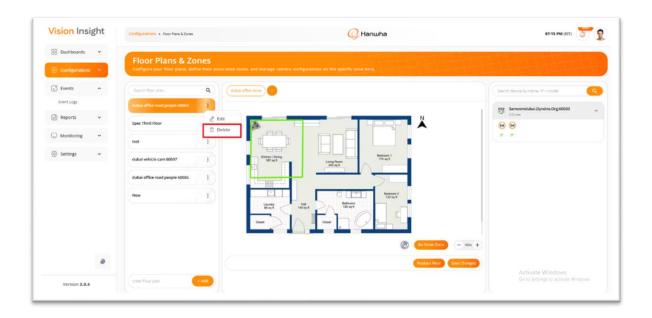
• Camera Configuration on Zones:





- The right panel lists online cameras and AI boxes that are not yet mapped to any zone.
- Users can:
 - ✓ Search for devices by Camera Name, IP Address, or Model Name.
 - ✓ Drag and drop selected devices onto specific zones in the floor plan image.
 - ✓ Reposition or Rotate cameras as required.
 - ✓ Adjust Sphere or Focal View up to 100% and set the desired color.
 - ✓ Delete cameras from zones when necessary.
- After all changes, click **Save Changes** to update the configuration in the database.

• Floor Plan & Zone Deletion:



When deleting a floor plan:



- ✓ The system prompts confirmation.
- ✓ Upon confirmation, all associated zones and devices are unmapped and removed from visibility.
- When deleting a zone:
 - ✓ The system also asks for confirmation.
 - ✓ Once confirmed, all devices linked to that zone are unmapped.
- The system performs **soft deletes**—records remain in the database but are hidden from the application.

• Default Floor Plan Behavior:

- If a new device is added without an assigned zone, the system automatically creates a **Default Floor Plan** and **Default Zone**.
- The unassigned device will be mapped to these defaults automatically.

• Permissions:

- Permissions are managed at the Floor Plan and Zone levels only.
- The Admin User must assign specific access rights to roles for each floor and zone.
- If a camera is mapped to multiple zones, the system will not automatically synchronize data across zones (handled manually by the admin).
- Data visibility strictly follows the assigned permissions.

• Additional Information:

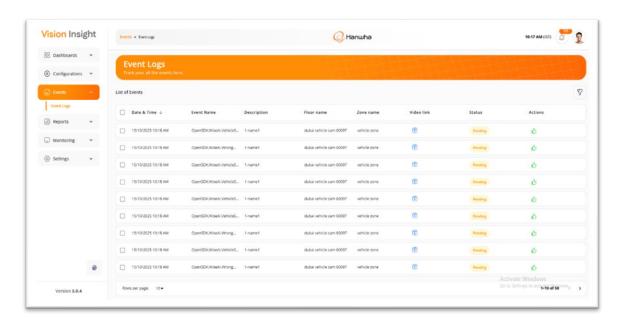
- The system prevents duplicate names for floor plans and zones.
- Users can search floor plans by Floor Plan Name.
- Users can configure unlimited cameras within a single zone.
- If the system cannot retrieve the camera model name from an AI Box, it defaults to a generic name (e.g., Camera-1, Camera-2).



6. Events

6.1 Event Log

Screen



• Steps to Access:

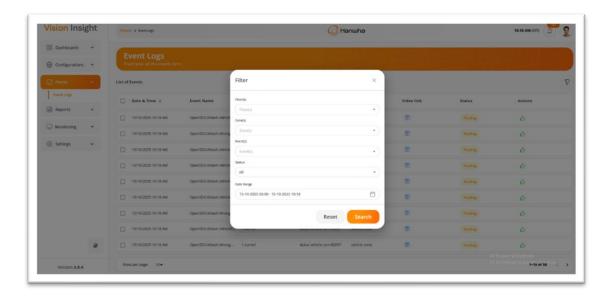
- Navigate to Events → Event Logs from the left sidebar menu.
- This page is accessible only to Super Admins and Authorized Users with appropriate permissions.
- The screen lists all detected events captured by the system in descending order of their creation time.

• Event List Overview:

- Each event record in the list displays the following details:
 - Date & Time
 - Event Name
 - Description
 - Floor Name
 - Zone Name
 - Video Link
 - Status Acknowledged / Pending
 - ❖ Action (Acknowledge or View Video)
- Pagination is available for easy navigation through multiple event pages.

Filtering and Search Options:





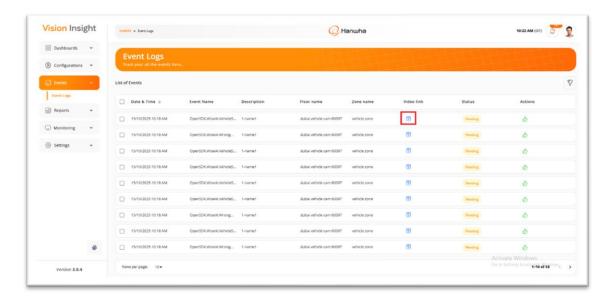
- Authorized users can search and filter events using the following options:
 - Event Name (text filter)
 - From Date To Date (date range picker)
 - Floor Name (dropdown list)
 - Zone Name (dropdown list)
 - Status (Acknowledged / Pending dropdown)
- Additionally, the system provides advanced filter options like:
 - ❖ Sort By (ASC / DESC)
 - Hide / Manage Columns
- These filters are automatically reset when the page is reloaded or when the user navigates to another screen.

• Acknowledging an Event:

- Events with a **Pending** status can be acknowledged by clicking the **Acknowledge** icon in the Action column.
- Once acknowledged, the system updates the event's status to Acknowledged and displays a confirmation message.

Viewing Event Videos:





- Each event includes an option to view the associated pre- and post-5-second video clips.
- Click the Video Icon in the Action column to open the video popup.
- The BI Dashboard Web Application streams videos directly from the configured FTP server; no local or alternate storage is used.
- Users can preview both pre-event and post-event video clips within the popup.

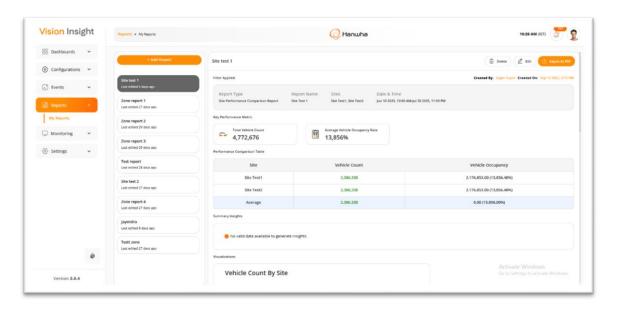
Additional Information:

- Event data is sorted automatically in descending order (latest events appear first).
- All video files are managed and stored on the FTP server configured under General Settings.
- Only users with event access permissions can view or acknowledge events.



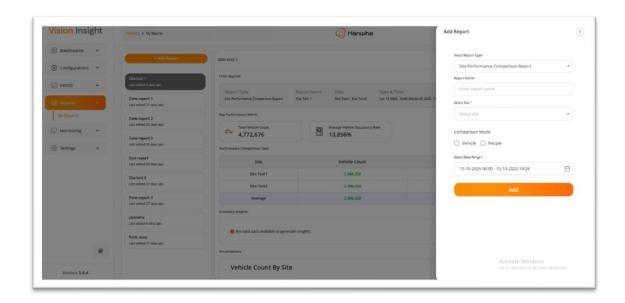
7. Reports

Screen



• Steps to Access:

- Navigate to Reports → My Reports from the left sidebar menu.
- This page is accessible only to Super Admins and Authorized Users based on assigned permissions.
- When no reports exist, the system displays a message: "There are no reports configured for you yet. To create a new report, please click the button below."
- Steps to Add a New Report:

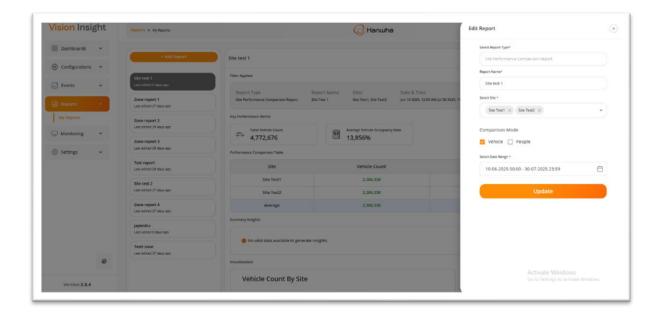


Click Add Report.



- Select a Report Type* from the dropdown list:
 - Site Performance Comparison Report
 - Zone Performance Comparison Report
- Enter the following required details based on the selected report type:
- For Site Performance Comparison Report:
 - Report Name* (custom input)
 - Select Site(s)* (multiple selection)
 - ❖ Select Date Range*
- For Zone Performance Comparison Report:
 - Report Name* (custom input)
 - Select Site* (single selection)
 - ❖ Select Floor*
 - ❖ Select Zone*
 - ❖ Select Date Range*
- Click Save to create the report.
- The report will appear in the list of configured reports.

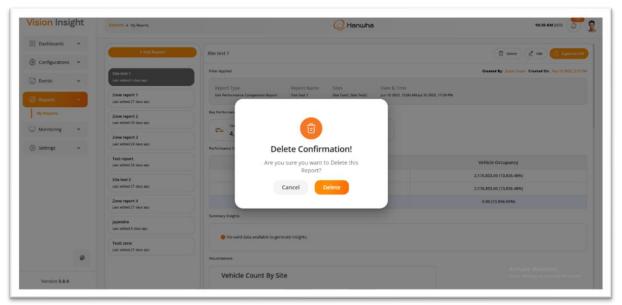
Steps to Edit a Report:



- Click Edit next to the desired report.
- Modify the report name, filters, or configuration details as required.
- Click Update to save the changes.



• Steps to Delete a Report:



- Click Delete next to the selected report.
- Confirm deletion when prompted.
- The system performs a soft delete, meaning the record remains in the database but is hidden in the application.

• Exporting a Report:

- Click Export as PDF to download the selected report.
- The exported report includes charts, filters, and comparison data based on the selected report type.

• Site Performance Comparison Report:

- Displays overall performance across multiple sites, including metrics, summaries, and visual charts.
- Contains:
 - Header Information:
 - Title (user-defined)
 - Created By & Created On
 - Filters Applied:
 - Report Type
 - Report Name
 - Sites
 - Date & Time
 - ❖ Key Performance Metrics:
 - Total People Count
 - Average People Occupancy Rate
 - Total Vehicle Count
 - Average Vehicle Occupancy Rate
 - Performance Comparison Table:
 - Site Name
 - People Count



- People Occupancy
- Vehicle Count
- Vehicle Occupancy
- Averages of all metrics
- Summary Insights:
 - Bullet-point summary providing key performance highlights.
- Visual Charts:
 - People & Vehicle Counts by Site
 - Occupancy Rate Comparison
 - Traffic Composition (People vs Vehicles)

Zone Performance Comparison Report:

- Displays performance data at the zone level for a specific site and floor.
- Contains:
 - Header Information:
 - Title (user-defined)
 - Created By & Created On
 - Filters Applied:
 - Report Type
 - Report Name
 - Sites
 - Floors
 - Zones
 - Date & Time
 - Key Performance Metrics:
 - Total People Count
 - Average People Occupancy Rate
 - Total Vehicle Count
 - Average Vehicle Occupancy Rate
 - Performance Comparison Table:
 - Zone Name
 - People Count
 - People Occupancy
 - Vehicle Count
 - Vehicle Occupancy
 - Averages of all metrics
 - Summary Insights:
 - Bullet-point comparison summaries.
 - Visual Charts:
 - People & Vehicle Counts by Zone
 - Occupancy Rate Comparison
 - Traffic Composition (People vs Vehicles)

Additional Information:

- Multiple reports of the same type can be added.
- Duplicate report names are not allowed.
- Authorized users can scroll through and view reports with predesigned layouts and charts.
- Reports can be edited or exported anytime based on permission.

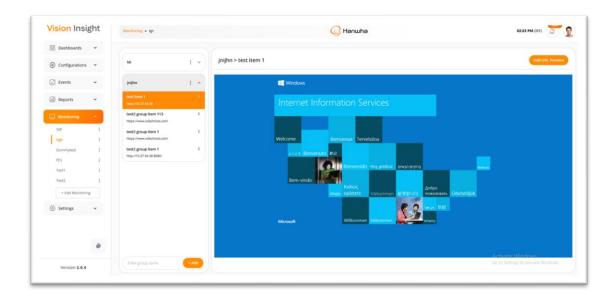
User Manual-BI Dashboard Web Application





8. Monitoring

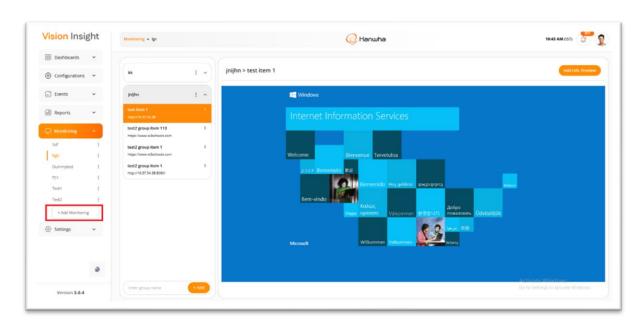
Screen



Steps to Access:

- Navigate to **Monitoring** → **Monitoring Page** from the left sidebar menu.
- This page is accessible only to Super Admins and Authorized Users based on assigned permissions.
- The initial screen displays a message: "There are no groups configured for you yet. To create a new group, please click the button below."

• Steps to Add Monitoring:

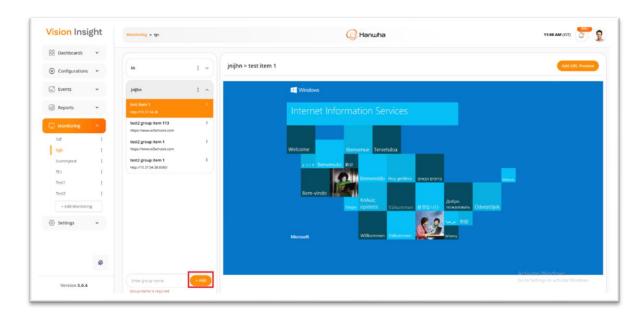


- From the sidebar, click Add Monitoring.
- Enter the Monitoring Name*.



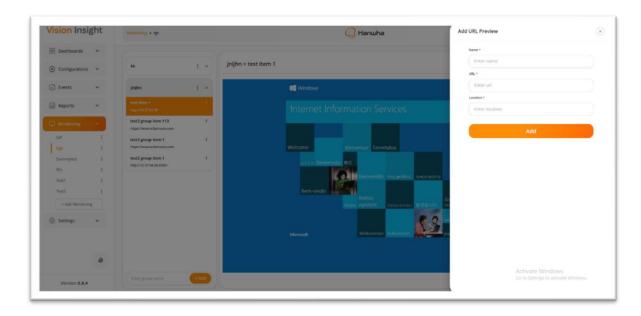
- Click Save to create a new monitoring setup.
- Each monitoring setup can contain multiple groups and URL previews.

• Steps to Add a Group:



- Open the desired monitoring setup.
- Click Add Group.
- Enter the **Group Name***.
- Click Save to create the group.
- The created group will appear in the list view under the selected monitoring.

• Steps to Add a URL Preview:

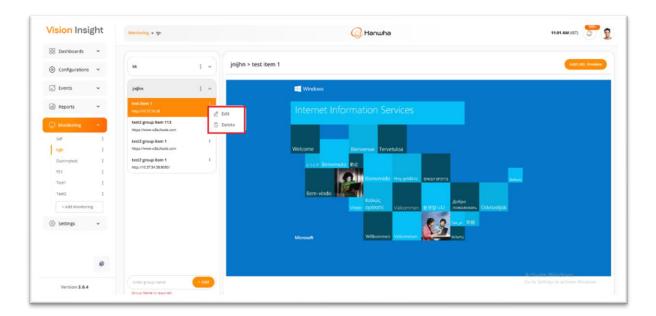


Within a group, click Add URL Preview.



- Enter the required details:
 - Name of the URL Preview*
 - ❖ URL* (the web page address to be embedded within the application)
 - Location* (for reference or identification)
- Click Save to add the URL preview.
- The added URL will display as an embedded iframe within the highlighted preview area on the screen.

• Steps to Edit or Delete Entries:



- To edit, click Edit next to any monitoring, group, or URL preview record.
- Update the required details and click Update.
- To delete, click **Delete** next to the item.
- Confirm the action when prompted.
- Once confirmed, the entry is removed from the list view.

• Rules and Validations:

- The Name, URL, and Location fields are mandatory for URL Previews.
- The system prevents duplicate entries for:
- Monitoring name
- Group name
- URL Preview (Name + URL combination)
- The added or updated URL Preview is displayed exactly as available at the provided URL within the BI Dashboard Web Application.
- The system does not validate URL availability; if a link is inaccessible, it must be corrected manually.

Additional Information:

• Each Monitoring setup can have **multiple groups**, and each group can include **multiple URL Previews (Poles)**.



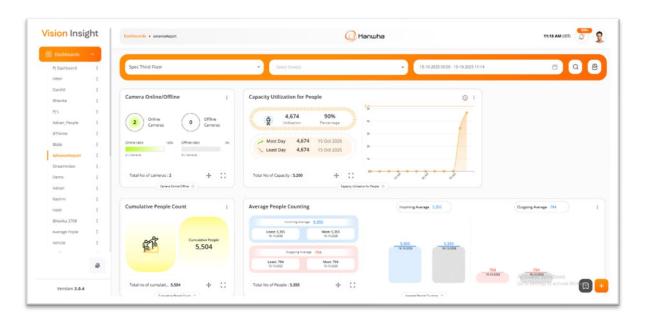
- The embedded content is displayed directly within the application using an **iframe**.
- The system does **not handle** external website access issues or content rendering failures.
- Duplicate Monitoring and Group names are not allowed.



9. Dashboard

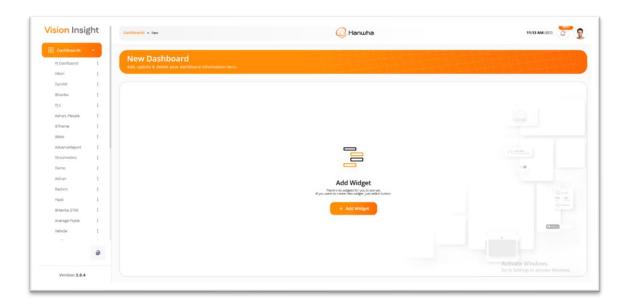
9.1 Dashboard Creation

• Screen



Steps to Access:

- Navigate to Dashboards → Dashboard Creation from the left sidebar menu.
- This page is accessible only to Authorized Users based on their assigned widget permissions.
- When no dashboards exist, the system displays a message:
 - "There are no widgets for you to see yet. If you want to create a new widget, just select the button below."
- Steps to Add a New Dashboard:





- Click Add Dashboard.
- Enter the Dashboard Name* in the provided text field.
- Click Save to create a new dashboard.
- Once created, the dashboard will appear in the dashboard list, ready for widget configuration.

• Steps to Edit an Existing Dashboard:

- Select the dashboard from the list.
- Click Edit and modify the Dashboard Name as required.
- Click **Update** to save the changes.

• Steps to Delete a Dashboard:

- Select the dashboard to be removed.
- Click **Delete** and confirm the action in the popup.
- Upon confirmation, the dashboard will be deleted from the system.

Field Validation:

- Dashboard Name* is a mandatory field.
- The system allows alphabetic and numeric characters only in the dashboard name
- Duplicate dashboard names are not allowed.

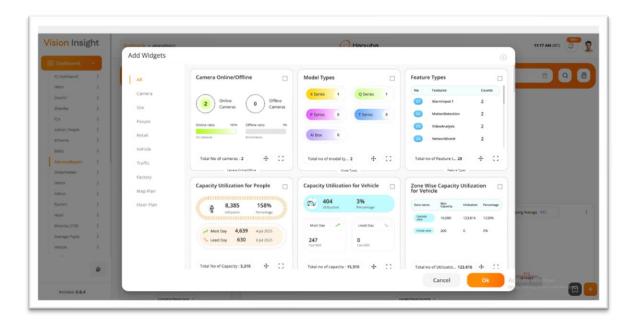
Additional Information:

- Authorized users can create any number of dashboards based on their operational or analytical needs.
- Each dashboard can later be customized with widgets as per role-based permissions.
- User permissions on widgets determine which features and data will be accessible on each dashboard.

9.2 Add Widget Screen

• Screen

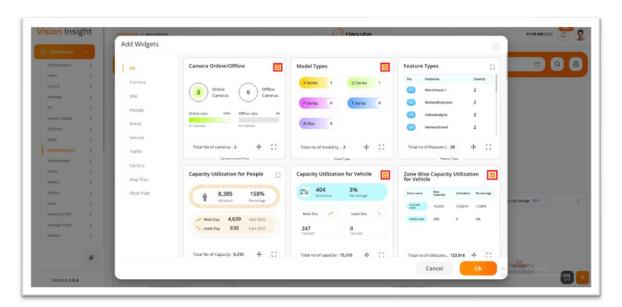




Steps to Access:

- Navigate to Monitoring → Monitoring Page from the left sidebar menu.
- Navigate to the required Dashboard.
- Click Add Widget either:
- From the blank screen when no widgets are yet configured, or
- By clicking the "+" button at the bottom-right corner when widgets already exist on the dashboard.
- The system opens the Add Widget popup showing a categorized list of available widgets.

Steps to Add Widgets:



- In the **Add Widget popup**, the left panel lists widget categories, and the right panel displays widgets under the selected category.
- By default, the "All" category is selected, displaying every widget available in the system.



- Click any category on the left to view its related widgets on the right.
- Select one or multiple widgets by clicking their respective checkboxes.
- Click Add to insert the selected widgets into the current dashboard.
- The newly added widgets will appear instantly on the dashboard layout.

Widget Categories and Examples:

- All
- Displays all available widgets regardless of their category.

Camera

- Camera Online / Offline
- Model Types
- Feature Types

Site

- Capacity Utilization for People
- Capacity Utilization for Vehicle
- Zone Wise Capacity Utilization for People
- Zone Wise Capacity Utilization for Vehicle

People

- Slip & Fall Detection
- ❖ People In & Out
- ❖ Average People Counting
- People Count by Gender
- Cumulative People Count
- New vs Total Visitors
- Safety Measures
- Zone Wise People Counting
- People Counting Heatmap

Retail

- Shopping Cart Counting
- Queue Events for Shopping Cart
- Queue Events for People
- Shopping Cart Heatmap
- ❖ Block Exit Detection

Vehicle

- Vehicle Count by Type
- Vehicle In & Out
- Vehicle in Wrong Direction
- Vehicle U-Turn Detection
- Pedestrian Detection
- Average Vehicle Counting
- Vehicle Queue Analysis
- Stopped Vehicle Count Time
- Vehicle Turning Movement Counts
- Vehicle Detection Heatmap



- Speed Violation by Vehicle
- Traffic Jam by Day

Factory

- Counting for Forklift
- Queue Events for Forklift
- Detected Forklifts
- Forklift Heatmap
- Forklift Speed Detection
- Block Exit Detection

Map Plan

Map Plan

Floor Plan

Floor Plan

Steps to Delete a Widget:

- Each added widget has a **Delete** option on its panel.
- Click **Delete** to remove it.
- The system displays a confirmation popup before deletion.
- Once confirmed, the widget is permanently removed from the dashboard.

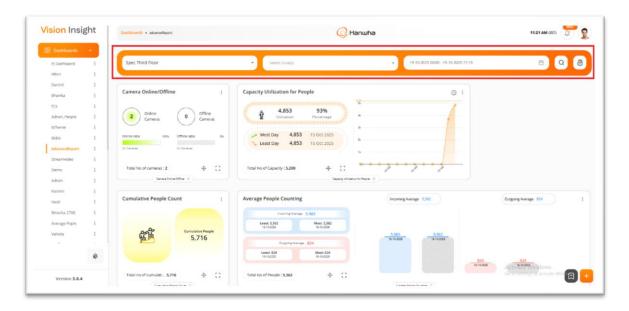
• Business Rules & Validations:

- Authorized users can add any number of widgets to a dashboard based on their permissions.
- The system prevents duplicate widget entries within the same dashboard.
- Once a widget is added, it no longer appears in the Add Widget list for that dashboard.
- The same widget can be added to different dashboards.
- When no widgets are configured, a blank screen message appears: "There are no widgets for you to see yet. If you want to create new widget, just select the button below."
- The list of widgets and categories is dynamically loaded based on the permissions assigned to the logged-in user.

9.3 Filter and Export Option

Screen





Steps to Access:

- Navigate to **Monitoring** → **Monitoring Page** from the left sidebar menu.
- Navigate to **Dashboards** → [Select **Dashboard**] from the left sidebar menu.
- Filters and export options become available **only after at least one widget** is added to the dashboard.
- Users can apply filters or export widget data directly from the dashboard interface.

• Filter Options:

The system provides the following filters on each dashboard:

- Floors
 - Multi-select dropdown list allowing users to select one or more floors.
 - By default, the system selects the default floor automatically.
- Zones
 - Multi-select dropdown list allowing users to select one or more zones associated with the selected floors.

Date & Time Range

- ❖ Allows users to choose from a range of predefined time periods:
- Today, Yesterday, Two Days Ago, 7 Days, 1 Month, 3 Months, 6 Months, 1 Year.
- Users can also manually select custom date and time ranges using the date-time picker.

Default Selection Behavior:

When no filters are applied or when the page is reloaded:

- Default Floor will be selected.
- o Default Zone will be selected.
- Today's date & time range will be applied automatically.

• Data Handling:

- The system updates all widgets based on the applied filters in real time.
- Applied filters are stored temporarily.
- Applied filters are cleared when the user manually reloads or closes the browser window.



• Export Report Options:

Authorized users can export dashboard data using the **Export Icon** located at the top-right corner of the dashboard.

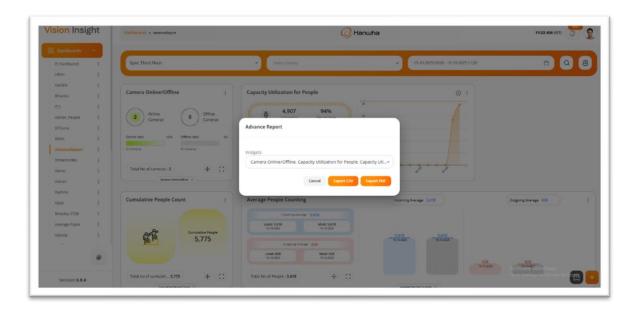
Steps to Export:

- ✓ Click the **Export Icon** on the dashboard.
- ✓ A popup window appears with the following options:
 - Select Widget(s): Choose one or more widgets to export (optional).
 - Export CSV: Generates a CSV file of the selected widget data.
 - Export PDF: Generates a PDF file of the selected widget charts and summaries.

Export Rules:

- If specific widgets are selected, the export includes data for only those widgets.
- ❖ If no widgets are selected, the system exports **all widgets** currently added to the dashboard.

Export File Details:



CSV Export Includes:

- Exported By
- Exported On (Date & Time)
- ❖ Selected Date Range & Time
- ❖ Data from all selected widgets, including any filters applied

PDF Export Includes:

- Company Logo (Vision Insight or custom uploaded logo)
- Exported By
- Exported On (Date & Time)
- ❖ Selected Date Range & Time
- Images of all selected widgets, reflecting current filters applied on the dashboard



• Additional Information:

- Only Authorized Users can use export functionality.
- Data exported from widgets reflects the filters applied at the time of export.
- Exports are generated instantly and downloaded through the user's browser.

9.4 Widgets

Steps to Access:

- ✓ Navigate to Dashboards → [Select Dashboard] from the sidebar.
- ✓ Widgets are visible and manageable only for users with **assigned permissions** via the **Roles & Permissions** module.
- ✓ Data across all widgets updates dynamically based on applied Floor, Zone, and Date Range filters.

• Actions Available on Each Widget:

Authorized users can:

- ✓ Apply Duration Filters to view time-specific data.
- ✓ Expand widgets for a larger, detailed view.
- ✓ **Delete** widgets from the dashboard (after confirmation).
- ✓ Export CSV reports for selected widgets.
- ✓ Configure Widget Setup (size/layout customization).
- ✓ Move widgets anywhere within the dashboard layout area.

All actions depend on role-based access permissions.

Widget Descriptions

Below is the complete list of **40 widgets**, categorized and described in detail:

Camera-Based Widgets

Camera Online / Offline



Displays the total number and ratio of **online vs offline cameras**.

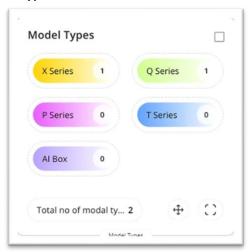
• Charts: Pie chart (status ratio) and bar chart (count comparison).

User Manual-BI Dashboard Web Application



• Source: Data fetched from connected cameras in the system.

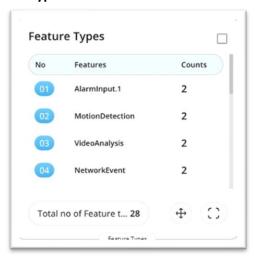
Model Types



Shows the distribution of cameras by model or series type.

- Charts: Bar chart by model name and numeric summary.
- Purpose: Helps track hardware deployment and diversity.

Feature Types



Displays camera counts by feature (e.g., motion, AI detection, night vision).

- Charts: Bar or donut chart grouped by feature type.
- Purpose: Analyzes hardware capability utilization.
- Site & Utilization Widgets
 - Capacity Utilization for People





Displays total capacity, current utilization %, and busiest/least busy days.

- Charts: Bar, line, and summary table.
- Use: Tracks people occupancy across zones and days.

Capacity Utilization for Vehicle



Displays total capacity, current utilization %, and busiest/least busy days for vehicles (e.g., parking or site traffic).

- Charts: Bar and trend comparison.
- Use: Evaluates space utilization for vehicles.

Zone Wise Capacity Utilization for People

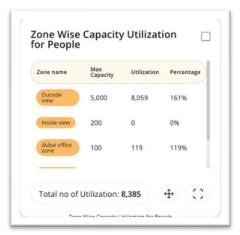




Shows maximum capacity, used capacity, and utilization % for each zone.

• Charts: Horizontal bar chart and summary grid.





Displays vehicle capacity usage per zone with live updates.

- Charts: Horizontal bar chart; tooltips show occupancy metrics.
- People Analytics Widgets
 - ❖ People In & Out





Displays **entry and exit counts** across configured zones or cameras.

- Charts: Dual bar chart (IN vs OUT).
- Use: Understand site footfall and movement trends.

Average People Counting



Shows average number of people IN/OUT per day and identifies most and least active days.

• Charts: Trend line + comparative table.

Safety Measures

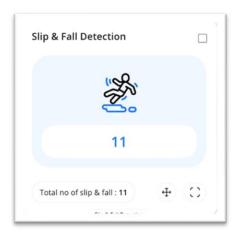




Displays the number of people with or without safety gear (mask,) Charts: Pie chart + stacked bar for compliance breakdown.

• Use: Ensures workplace safety monitoring.

Slip & Fall Detection



Tracks incidents where individuals slipped or fell.

- Charts: Daily occurrence bar chart.
- Use: Safety analytics for incident management.

Zone Wise People Counting

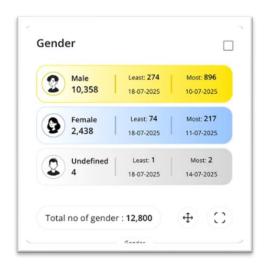




Displays IN/OUT people count per zone.

• Charts: Multi-bar zone comparison chart.

Gender



Shows male vs female counts and busiest day for each group.

• Charts: Comparative bar + gender pie chart.

New vs Total Visitors

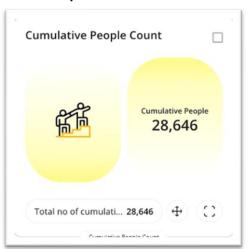




Compare new visitors counts vs repeat visitors within a date range.

• Charts: Side-by-side bars and summary percentages.

Cumulative People Count



Shows cumulative totals for people detected over time.

• Charts: Line chart displaying cumulative growth.

❖ People Counting Heatmap





Displays **heatmap visualization** of people density across zones.

- View: Color-coded overlay for movement hotspots.
- Vehicle Analytics Widgets
 - Vehicle count by Type



Displays total vehicles detected by category (e.g., car, truck, bike).

- Charts: Pie or stacked bar chart.
- ❖ Vehicle In & Out





Tracks vehicle entries and exits during the selected period.

• Charts: Dual bar (IN vs OUT) + daily trend line.

Vehicle in Wrong Direction



Detects and counts vehicles moving in the wrong direction.

- Charts: Line or column trend.
- Alerts: Supports visual flags for violation instances.

❖ Vehicle U-Turn Detection

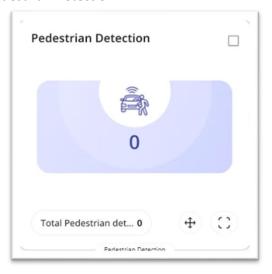




Shows total **U-turn incidents** detected.

• Charts: Trend and frequency summary.

Pedestrian Detection

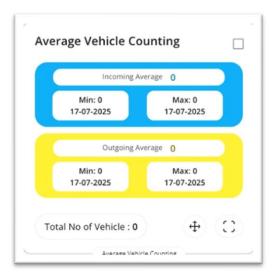


Displays the number of **pedestrians detected** in vehicle zones.

• Charts: Daily counts and cumulative summary.

Average Vehicle Counting

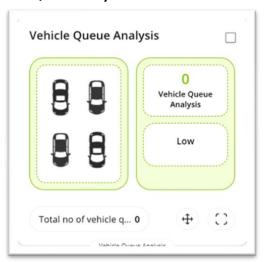




Displays average vehicle flow rates and most/least active days.

• Charts: Line + bar comparison.

Vehicle Queue Analysis

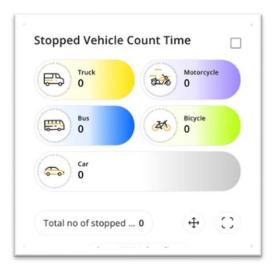


Shows vehicle queues and waiting durations.

- Charts: Queue length vs time chart.
- Use: Identifies congestion points.

Stopped Vehicle Count Time

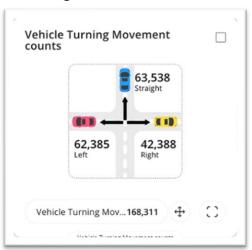




Displays the number of vehicles **stopped**, grouped by type.

• Charts: Column chart with average duration per stop.

❖ Vehicle Turning Movement Counts



Tracks turning directions (left, right, straight) for traffic pattern analysis.

• Charts: Polar chart or grouped bar chart.

Vehicle Detection Heatmap





Heatmap showing **vehicle density** across the monitored area.

• View: Color intensity represents frequency of detections.

Speed Violation by Vehicle

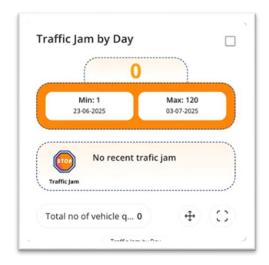


Displays vehicles that exceeded defined speed thresholds.

• Charts: Count by vehicle type or speed range.

Traffic Jam by Day





Display days with the highest and lowest congestion levels.

- Charts: Bar chart comparing daily jam durations.
- Retail Analytics Widgets
 - Shopping Cart Counting



Shows the number of **shopping carts detected** in monitored areas.

- Charts: Daily trend line or bar chart.
- Queue Events for Shopping Cart

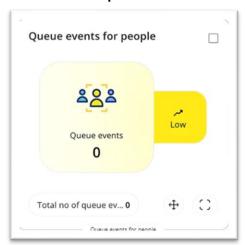




Displays number of shopping carts in queue lines.

• Charts: Time-based event count visualization.

Queue Events for People



Tracks queue events involving people in retail zones.

• Charts: Bar chart per hour or day.

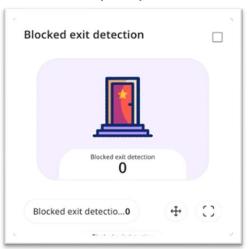
Shopping Cart Heatmap





Displays **heatmap visualization** of shopping cart activity across zones.

❖ Block Exit Detection (Retail)



Shows instances where exits are blocked by carts or objects.

- Charts: Bar + alert indicator.
- Factory & Safety Widgets
 - Counting for Forklift





Displays total **forklift detections** within the premises.

• Charts: Trend + total count summary.

Queue Events for Forklift

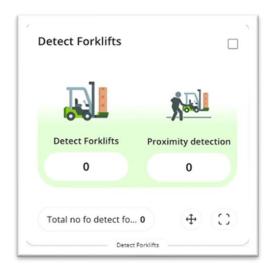


Tracks forklift queues to monitor warehouse traffic.

• Charts: Queue count by duration.

Detected Forklifts





Displays forklift detections and proximity data (for collision alerts).

• Charts: Count + distance monitoring.

Forklift Heatmap



Shows movement heatmap for forklifts across floors/zones.

Forklift Speed Detection

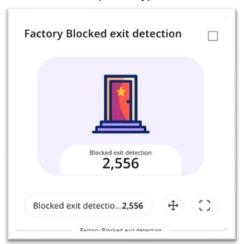




Displays speed violations detected among forklifts.

• Charts: Count vs speed range.

Block Exit Detection (Factory)



Identifies blocked exits in manufacturing zones.

- Charts: Count and event logs summary.
- Spatial Visualization Widgets
 - Map Plan





Displays data metrics on **interactive maps** based on user-selected features.

• View: Map overlay with live camera or device indicators.

Floor Plan



Displays live data overlays on uploaded floor plan images, showing people/vehicle density or activity levels.

• View: Graphical layout with positioned cameras and data hotspots.

• Business Rules & Permissions:

- Each dashboard can include up to 40 widgets.
- Widgets are visible and configurable only if permissions are assigned.
- Data updates dynamically according to active filters (floors, zones, time).
- The system prevents duplicate widgets in the same dashboard.
- Users can reposition, resize, expand, or delete widgets as per their role rights.

Dropdown Filter Features:

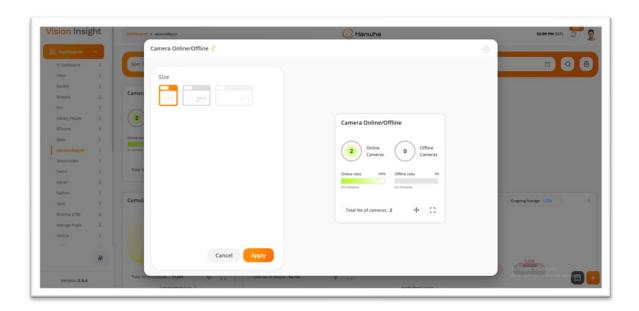
- People In & Out Count
- Slip & Fall Count
- Vehicle In & Out Count
- Pedestrian Detection Count
- Vehicle Queue Analysis Count
- Speed Violation by Vehicle Count



- Traffic Jam by Day
- Shopping Cart Count
- Forklift Count

9.5 Setup Page

Screen



• Steps to Access:

- ✓ Navigate to Dashboards → [Select Dashboard].
- ✓ Locate the desired widget configured on the dashboard.
- ✓ Click the "Setup" option available within that widget.
- ✓ The system opens the **Setup Popup**, displaying customization options such as size and expanded view.

Steps to Configure Widget Setup:

- ✓ Open the desired widget and click Setup.
- ✓ In the setup popup, configure the following options:

a. Size

- Defines the display size of the selected widget.
- Available options:
 - **1×1** Standard compact view.
 - o **2×1** Medium view with more chart area.
 - **3×1** Expanded view with maximum chart visibility.
- The system automatically enables or disables specific size options based on the widget's design and data type (as per predefined UI layout in Figma).

b. Expanded View

- Allows users to choose how many charts are displayed when the widget is expanded.
- Options: up to **3 charts** depending on widget type and available data.



- This option appears only when the **2×1** or **3×1** layout is selected.
- A live preview on the right-hand side displays how the widget will look once applied.
- ✓ Click Apply to save the selected configuration.
- ✓ The system renders the widget on the dashboard according to the chosen setup.

• Business Rules:

- Only Authorized Users can access and modify the Setup option.
- Changes made in the setup popup affect only the selected widget and specific dashboard.
- Users can reopen the Setup option anytime to modify size or layout.
- The Apply button must be clicked to save and reflect changes immediately.
- The setup configuration controls how the widget is visually displayed but does not alter underlying data or filters.

• Example Configurations:

Size Option	Chart Display	Description
1×1	Single chart	Compact widget view showing key metrics only.
2×1	Up to 2 charts	Balanced layout with moderate visualization.
3×1	Up to 3 charts	Full-width view with multiple charts and insights.

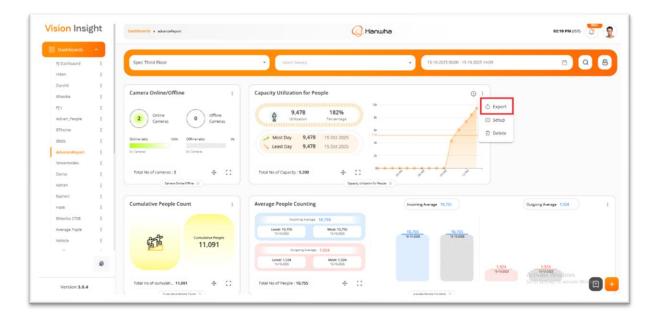
• Additional Information:

- Widget size and expansion availability depend on the widget's default layout and supported chart types.
- Each widget's setup is stored locally for the logged-in user's session.
- The system dynamically updates the dashboard layout once setup is applied.

9.6 Export as CSV Option

• Screen





• Steps to Access:

- ✓ Navigate to Monitoring → Monitoring Page from the left sidebar menu.
- ✓ Navigate to Dashboards → [Select Dashboard].
- ✓ Locate the desired widget configured under the selected dashboard.
- ✓ Click the **"Export CSV"** option available within that widget.
- ✓ The system opens a popup allowing the user to select **duration** (date & time range) before exporting.
- ✓ Once the range is selected, click **Export** to download the report in .csv format.

• Steps to Export Data:

- ✓ Select the **duration** (Date and Time Range) for which you want to export the data.
- \checkmark Click the **Export CSV** button within the widget's control menu.
- ✓ The system validates the data based on the applied filters.
- ✓ The report is automatically downloaded in .csv format to the user's system.

• CSV Report Contents:

The exported CSV file will include the following information:

- **Exported By:** Username of the user who generated the export.
- **Exported On:** Date & Time when the export was performed.
- Selected Date Range & Time: The filters and timeframe applied before exporting.
- Widget Data: The complete dataset of the selected widget, including all filters (Floors, Zones, or other applied parameters) as displayed on the dashboard.

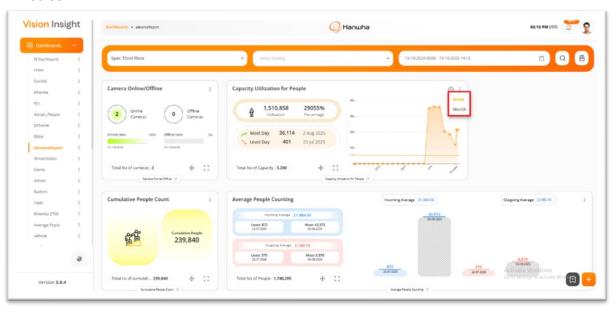
Business Rules:

- Only Authorized Users can access the Export CSV option.
- The option is available only for widgets that support data export functionality.
- Exported data reflects the filters and time period currently applied to the widget.
- CSV export generates structured, tabular data compatible with Excel or BI tools for offline analysis.
- The export is instantaneous and downloaded directly via the user's browser.



9.7 Duration Selection Filter Option

Screen



Steps to Access:

- ✓ Navigate to Monitoring → Monitoring Page from the left sidebar menu.
- ✓ Navigate to Dashboards → [Select Dashboard].
- \checkmark Locate the desired widget configured on the selected dashboard.
- ✓ The Duration Filter option will be available below or within the widget (only for widgets where it is applicable).
- ✓ Select a duration value to update and visualize data accordingly.

• Steps to Use the Duration Filter:

- ✓ Open the specific widget under the desired dashboard.
- ✓ Locate the **Duration Filter** dropdown or button group.
- ✓ Choose any of the available duration options:
 - 15 Mins
 - 30 Mins
 - Hour
 - Day
 - Week
 - Month
- ✓ Upon selection, the system will refresh and re-render the widget's charts based on the chosen time duration.

Business Rules:

- The **Duration Filter** is available only for widgets that support time-based visualization.
- The system automatically manages the visibility of duration options depending on the selected date range at the dashboard level.
- Only relevant filter options are displayed based on the context of the selected period (e.g., "15 Mins" and "30 Mins" may be hidden when the user selects a multi-month date range).
- Widget charts dynamically update to reflect aggregated or detailed data



corresponding to the selected duration.

- The system automatically selects a default duration based on the chosen date range on the dashboard.
- Users can change and select any enabled value at any time to instantly refresh the data.

• Example:

If the user applies a **1 Week** date range filter on the dashboard:

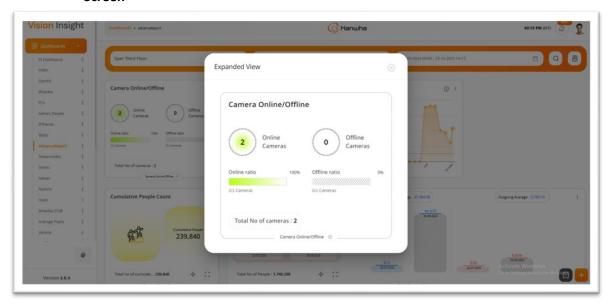
- The system will automatically default to the Day duration view.
- Users can manually switch to Week or Hour view if available.
- All associated charts (e.g., People In & Out, Vehicle Queue Analysis) will be refreshed to show data distribution for the selected duration.

• Additional Information:

- Duration selection is widget-specific and does not affect other widgets on the same dashboard.
- The filter's behaviour is temporary and resets when the user refreshes or reopens the dashboard.
- This feature ensures flexible data visualization by allowing fine-grained control over chart granularity.

9.8 Expand Option

Screen



Steps to Access:

- ✓ Navigate to **Monitoring** → **Monitoring Page** from the left sidebar menu.
- ✓ Navigate to Dashboards → [Select Dashboard].
- ✓ Locate the desired widget configured on the selected dashboard.
- ✓ Click the **"Expand"** icon available on the widget toolbar.
- ✓ The system opens a popup displaying the widget in expanded mode.



• Expanded View Options:

The expanded preview layout depends on the widget's configured size:

- 1×1 Widget: Displays a single, enlarged chart or summary view.
- 2×1 Widget: Displays up to two charts or data panels in expanded view.
- 3×1 Widget: Displays up to three charts or visual components simultaneously.
- Each view automatically adjusts based on the widget's setup configuration and available data visualization type.

• Steps to Use:

- ✓ Click the **Expand icon** on the desired widget.
- ✓ The system opens a **popup window** showing the widget in a full expanded view.
- ✓ Users can analyze the data in greater detail, review trends, and scroll through the expanded content if applicable.
- ✓ To exit, click the **Close (X)** button on the top-right corner of the popup.

Business Rules:

- Only Authorized Users can access the Expand feature.
- The **Expand icon** appears only for widgets that support enlarged visualization.
- The system opens a dedicated popup window when the expand option is selected.
- The popup provides a close button to return to the standard dashboard view.
- Expanded view displays the live data currently reflected on the dashboard (based on active filters and duration selection).
- The expanded chart layout (1×1, 2×1, or 3×1) is determined by the widget's setup configuration.

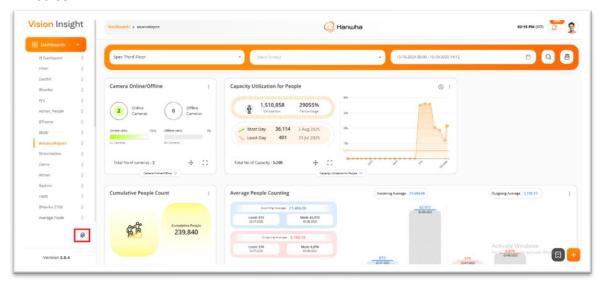
Additional Information:

- Expanded view improves visibility for complex charts or multi-metric widgets.
- Users can take screenshots or analyze data trends directly from the expanded popup.
- The feature is purely visual and does not affect any underlying data or dashboard layout.



10. Voice Command

Screen



• Feature Overview:

- The BI Dashboard Web Application supports voice command to provide a handsfree, voice-controlled experience for viewing Dashboard Widgets.
- Users can open any specific Dashboard by below commands:
 - ✓ open [DashboardName] dashboard
 - ✓ show the [DashboardName] dashboard
 - ✓ go to the [DashboardName] dashboard
- Once the Dashboard is opened, user has to give voice command to open any widget visible on the open dashboard, in full view.
 - ✓ open [WidgetName] widget
 - √ show the [WidgetName] widget
 - ✓ go to the [WidgetName] widget
- User can use the close or remove command to close or remove the open widget.
 - √ close [WidgetName] widget
 - √ hide the [WidgetName] widget
 - ✓ remove the [WidgetName] widget from the screen