Avigilon Control Center Maps (Preview)

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Introducing ACC Maps (Preview)

The ACC Maps (Preview) feature is an improvement to the existing maps functionality in ACC. Your video security system needs can be as simple as a single office, a multi-storey building, an educational campus, an institutional or industrial complex, or similar other sites. The Maps (Preview) feature allows you to manage maps and devices within your specified video security system. Maps and devices can be monitored in the Maps View tab of your ACC Client. You can interact with video or alarms from cameras on the map.

Launching ACC Maps (Preview)

After logging in to a site, you can launch ACC Maps (Preview) in the Maps View tab. In the New Task menu , click **Maps**.

By default, you are in the monitor mode where you can monitor your site layout if it was created and imported into ACC. ACC Maps (Preview) allows you to create or edit a floor plan file and export it. You can import a floor plan file to design a site layout in ACC.

Creating a Floor Plan in ACC

You can create a new floor plan or edit an existing floor plan in ACC Maps (Preview). In the System Explorer, right-click your site and select **Create/Edit Floor Plan File**. The Map view goes from the monitor mode into the floor plan creation mode. Click **Exit Floor Plan Editor** in the top-right of the Map view to get back to the monitor mode.

To create a new floor plan:

1. Add Buildings, Levels, and Floor Plans to create a new site layout:
    a. Add a Building:
        i. Under **Building**, click +. A text box appears below.
        ii. Enter a building name. The Level field is activated.
    b. Add a Level:
        i. Under **Level**, click +. Two text boxes appear.
        ii. In the first text box, enter a level name.
        iii. In the second text box, enter a level indicator to label the level. The Floor Plan field is activated.
    c. Add a Floor Plan:
        i. Under **Floor Plan**, click + to upload a compatible file. Compatible files include PNG, JPG/JPEG and CAD DXF file formats.
        ii. Select the file to be uploaded and click **Open**. The **Floor Plan Editor** dialog appears.
        iii. For DXF files, select the layers you want included in the floor plan.
        For PNG, JPG/JPEG files, under **What would you like to do?**, choose one of the following options:
            - **Upload Image** — Uses the image format as is.
            - **Convert image to vector** — Converts the image to a vector graphic. Adjust the **Level of Detail** to be Low, Medium or High to sharpen the lines and edges in the image.
        iv. Click **Continue**.
        v. Choose **Scale floor plan manually** to manually adjust the floor plan scaling or choose **Set floor plan scale** and click and drag the ruler points on the image to set the floor plan scale. Under **Set floor plan scale**, enter the distance value that corresponds to the set width of the ruler.
        vi. Click **Apply**.
        vii. Position the image overlay on the map. You may zoom in, zoom out, drag or rotate the image overlay to position it as needed.
        viii. Click **Pin to map** to pin the uploaded image on the map as positioned.

2. Click **Save**. Maps data is saved successfully.

> **Note:** You can add multiple Buildings within your site layout. To add multiple Buildings, repeat the above steps. Each Building needs to have at least one Level and an associated Floor Plan uploaded. You can add multiple Levels within a Building and add Floor Plans associated with the added Levels as per your site design needs. If you add multiple levels within a building, each level is denoted by the level indicator label on the bottom-left of the map. You can select a label to make the corresponding Level as the active level. Click **X** above the level indicator to close the currently active Floor Plan of a Level of a Building in the monitor mode.

3. Click **Export** to export the `.fmtx` file to your local system.

Deleting a Building

To delete a building from a site layout:

1. Right-click your site and select **Place Objects**. The maps interface goes into the object editor mode.
2. Right-click the building name in the System Explorer and select **Locate on Map** to select the building you want to delete.
3. Click below the floor level indicator in the bottom-left of the map view.
4. Click **Yes** in the confirmation dialog. The building is deleted.

> **Note:** If there are any devices on a floor plan within a building, the building will not be deleted until all the devices are removed from the building.

Importing a Floor Plan into ACC

ACC Maps (Preview) allows you to import a floor plan into ACC from your computer. Use the `.fmtx` file to import your floor plan into ACC.

In the System Explorer, right-click your site and select **Place Objects** to enter the object editor mode. When in the object editor mode, you can import a floor plan, interact with the map view, and add or delete devices. To close the object editor mode, click **Exit Object Editor** on the top-right of the map view.

1. In the object editor mode, right-click your site and click **Upload Floor Plan File**. The **Import Floor Plan** dialog appears.
2. Click **Choose File**, and select the `.fmtx` file to be imported from your computer.

   > **Note:** You can also select a `.sdt3x` file exported from the Avigilon System Design Tool (SDT) to import a floor plan into ACC. When importing a design created in SDT into ACC, ACC only recognizes the floor plans created in SDT. Any cameras or storage devices added to your site layout in SDT will not be imported into ACC.

3. Click **Confirm**. The floor plan is imported and displayed in the map view.

Click **Reset Map** to discard the changes and reset the map view.

In an imported floor plan with multiple levels within a building, each level is denoted by the level indicator label on the bottom-left of the map view. You can select a label to make the corresponding level as the active level when adding cameras or devices to your site layout.

Interacting with the Map View

You can interact with maps in ACC like you can with any commonly available map product. You can search for a particular address, locate areas or streets within cities, zoom in or out on a specific location, or rotate the map in either direction.

Searching for a Location

To search for a specific location on the map:

1. Click the **Search** toolbar.
2. Enter an address in the toolbar. The system displays results in a drop-down list as you enter text in the toolbar.
3. Select the located address from the drop-down list if found or press **Enter** on your keyboard.

Zooming In and Out on a Map

To zoom in and out on a map:

- Use the middle scroll wheel on your mouse.
- Click + to zoom in or − to zoom out in the bottom-right of the map view.

Rotating the Map

To rotate the map in either direction:

- Press the **Ctrl** key on your keyboard and click and drag on the map.
- Right-click and drag on the map.

Switching the Base Map

To switch the base map view, click in the top-right of the map view and select:

- **Map** — The default graphical representation of a map.
- **Satellite** — The satellite imagery of a map.

Adding Cameras on a Map

You can add multiple cameras to different Floor Plans or Levels within a Building or anywhere on your site layout on the map.

1. Right-click your site and select **Place Objects**. The maps interface goes into the object editor mode.
2. Click and drag a camera from the Devices Not On Map section of the System Explorer and drop it on to the map or a selected level in a building on a floor plan.

The camera is added with it's field-of-view visible. The field-of-view is automatically set by the system based on default standard values for camera mounting and target heights.

You can change the camera position, rotation and field-of-view by interacting with the camera's graphical control elements:

- Click and drag the added camera to move it to a desired spot.
- Click on the rotation indicator arrow-heads and adjust the direction of the camera.
- Click and drag the control points of the field-of-view to adjust the camera field-of-view.

When you add a camera on the map, the corresponding device is listed in the Devices On Map section of the System Explorer.

> **Tip:** If a Level is selected and a camera is added on the map, the added camera will be associated with the selected Level of the building on a floor plan. To add Outdoor cameras, ensure that a level or a building on your floor plan is not selected and then add cameras on the map.

When multiple cameras are added on the map and the map view is zoomed out, the added cameras are grouped together to compensate for the reduced screen real estate. After a certain zoomed out view, cameras do not appear on the map. Similarly, buildings disappear as well and only the building labels are visible.

> **Note:** Even though cameras are not visible when the map view is zoomed out considerably, a camera with an alarm will still appear at zoomed out views. Zoom in on the map view to the camera with an alarm and acknowledge the alarm.

Locating a Camera

You can locate a camera on a zoomed-out map quickly. To locate an added camera on the map:

1. Select the camera from the Devices On Map section of the System Explorer.
2. Right-click on the camera name in the System Explorer and select **Locate on Map**.

The located camera shows up on screen at an appropriate zoom level.

Removing a Camera

To remove an added camera from the map:

1. Right-click your site and select **Place Objects**. The maps interface goes into the Edit Mode.
2. Select the camera from the map view. The camera's graphical control elements appear.
3. Click . The selected camera is removed from the map.

When you remove a camera from the map, the corresponding device is listed in the Devices Not On Map section of the System Explorer.

For More Information

For additional product documentation and software and firmware upgrades, visit **avigilon.com/support**.

Technical Support

Contact Avigilon Technical Support at **avigilon.com/contact**.