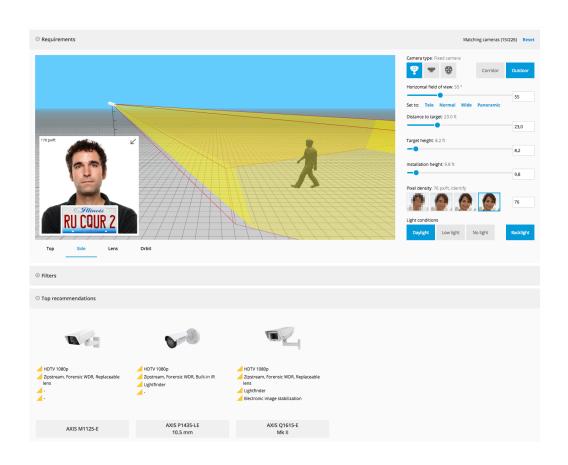


AXIS Site Designer 2

Product overview





Welcome to AXIS Site Designer 2

AXIS Site Designer 2 replaces the current versions of AXIS Site Designer and AXIS Design Tool. The new version of AXIS Site Designer supports all functionality found in the older tools, and your current projects can be accessed using the new version.

If you are an AXIS Site Designer user, you will be familiar with the workflow and most functions. You will find an updated user experience and key improvements such as:

- Support for larger projects.
- Support for more products, such as modular cameras, encoders and other products.
- Support for designing AXIS end-to-end solutions as well as systems incorporating VMS solutions from Axis partners.

If you are familiar with AXIS Design Tool, you will have access to many new features, while retaining the possibility to make quick bandwidth estimates. See section 5 AXIS Site Designer 2 for AXIS Design Tool users for more information.

Browser support and data storage

This release is compatible with the latest version of the most common web browsers (Internet Explorer 11, Google Chrome, Firefox, Safari) and can be accessed from Windows and macOS, and from tablet devices (Android and iOS). AXIS Site Designer 2 is not supported on mobile phones.

AXIS Site Designer 2 stores your projects locally on your computer, using your browser's local storage. Each browser has its own local storage, so if you are using more than one browser simultaneously, you might see different projects.

Web browsers keep local storage separate for different web sites, so projects you have created without signing in to your My Axis account will not be accessible from other devices and browsers.

Save your projects

To be able to work with your project data from other devices and browsers, make sure you sign in to your My Axis account when working in AXIS Site Designer 2.

Note: You can always work offline from your web browser in AXIS Site Designer 2, but without logging into your My Axis account you won't be able to return to your projects from other devices and browsers.



1 Quick start your projects in AXIS Site Designer 2

1.1 Create a project

To create a new project

- 1) In the top bar, click \leftarrow to go to your projects, and click **Add project**.
- 2) The New project view is displayed: You can start fill in the project details. Make sure that the country where the project will be installed is selected from the drop-down menu here, otherwise the bill of materials will not display the correct part numbers and pricing.
- 3) To add cameras and encoders, click **Add devices**. Continue with Add devices.

Tool tip: you can add cameras, encoders and recording and networking devices in any specific order to your project.

1.2 Add devices to your project

Before you start:

If you know the exact model name of the camera or other device, you don't need to use the camera selector or other product selectors. Just enter the whole or part of the model name in the *Quick add a device* field, select the model from the drop-down list and click on the model to add it to your project.

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to **Devices** You can also access this view by selecting **Add devices** when creating a new project.
- 2) Click **Add camera** to open the Camera selector.
- 3) Using the filter panel, set your preferences for the camera and make your selection from the list of **Matching cameras**
- 4) Once you selected a camera, click **Add**.
 - The selected camera is added to your project with a default scenario.
 - To add more cameras, repeat these steps. To add encoders, continue with the next step.
- 5) Click **Add encoder** to come to the Encoder selector.
- 6) Using the check-boxes, set your preferences for the encoder and make your selection from the list of **Matching encoders**
- 7) Once you selected an encoder, click Add. The selected encoder is added to your project with and indicator on the number of devices it can be used with.

Note: you can add cameras, modular cameras and most other devices to your project without specifying a model. If specified, key requirements for your device are stored so you can select a specific model later.



1.3 Add recording and networking devices

To add recording and / or network devices to your project

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to **Recording and network**.
- 2) Select **Product type** or browse the list of available products to make your selection
- 3) Click on the selected a product and click Add. The product is added to your project with information on available licenses, server capacity, storage options, specification on available ports and PoE. Depending on the devices added to your project, these parameters will indicate if the selected device covers the capacity of the project or if you need to add another, more suitable product that fulfills the requirement of the created project.

1.4 Import a project

You can import projects exported from AXIS Site Designer 2.

- 1) In the top bar, click \leftarrow to go to your projects, and click **Import project**
- 2) Browse to the asdpx or aedp project file you wish to import and open the file.
- 3) Once the import is finished, the **Project Imported** dialog is displayed. Your project is now ready to use in AXIS Site Designer 2.

1.5 Create bill of materials

- 4) In the top bar, click ← to go to your projects, select a project, click ⊕ and go to **Reports**You can also access the reports by choosing **View reports** from the ••• menu.
- 5) Choose to export or print the Bill of Materials
- 6) When printing the Bill of Materials, you can adjust the print settings in your browser's print dialog.

1.6 Create bandwidth report

- 1) In the top bar, click ← to go to your projects, select a project, click ⊕ and go to **Reports**You can also access the reports by choosing **View reports** from the ••• menu.
- 2) Click the **Bandwidht report** tab and choose to export or print the Bandwidth report. **Note:** bandwidth and storage values in the report are estimates only.
- 3) When printing the Bandwidth report, you can adjust the print settings in your browser's print dialog.



2 Work with projects in AXIS Site Designer 2

AXIS Site Designer 2 allows you to work with multiple projects. To manage these projects, you can click
in the top bar to go to your project list. Using the ••• menu for each project, you can

- Open an existing project
- View reports for the project
- Archive or Unarchive a project
- **Export** a project
- **Delete** a project

2.1 Sort your projects

To search for a specific project you created

- 1) In the top bar, click <
- 2) Enter part of the project name into the search field. Based on the selected term, your project or projects are displayed.
- 3) To extend your search option, mark the **Show archived projects** checkbox.

2.2 Modify a project

To modify a project

- 1) In the top bar, click ← to go to your projects, select a project, click ⊕ and go to **Project info**. This view corresponds to the Settings tab in the AXIS Design Tool.
- 2) Add or change necessary project information, including:
 - a. Project name
 - b. Project notes
 - c. Unit system
 - d. Client contact details in the Prepared for field / Client information to be printed on reports
 - e. Installation location
 - Make sure to select a location from the **Country where the project will be installed** drop-down menu, otherwise the bill of materials will not display the correct part numbers and pricing.

2.3 Rename a project

To rename an existing project

- 1) In the top bar, click
- 2) To edit the name, click the project name and enter a new name. Your changes will be saved automatically.



2.4 Create bill of materials

- 1) In the top bar, click ← to go to your projects, select a project, click ⊕ and go to **Reports**You can also access the reports by choosing **View reports** from the ••• menu.
- 2) Choose to export or print the Bill of Materials
- 3) When printing the Bill of Materials, you can adjust the print settings in your browser's print dialog.

2.5 Create bandwidth report

- 1) In the top bar, click ← to go to your projects, select a project, click ⊕ and go to **Reports**You can also access the reports by choosing **View reports** from the ••• menu.
- 2) Click the **Bandwidht report** tab and choose to export or print the Bandwidth report. **Note:** bandwidth and storage values in the report are estimates only.
- 3) When printing the Bandwidth report, you can adjust the print settings in your browser's print dialog.

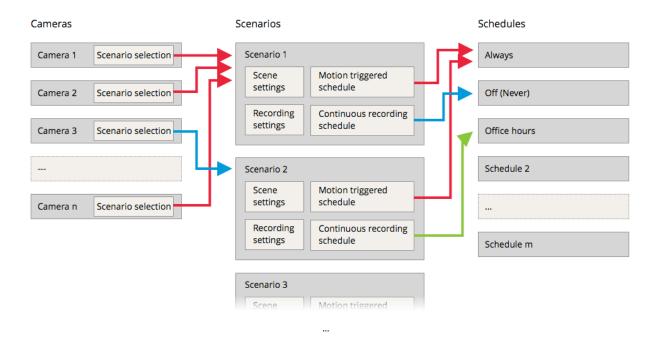


3 Work with scenarios and schedules in AXIS Site Designer 2

In AXIS Site Designer 2, *Scenarios* are used to define all the relevant settings needed to estimate storage and bandwidth for a camera. These settings are the following:

- scene settings
 - o motion estimates in the scene
 - o scene level details
 - location and light conditions
- recording settings
 - o resolution, frame rate, compression settings
 - o schedules for motion triggered recording, continuous recording and live view.

A camera within a project is always associated with a single scenario, with a specific scene and recording setting. You can define as many scenarios with different scene and recording settings as required or necessary for your projects. Schedules for recordings (determining when a recording is active) can be the same for many scenarios, but the recording and the scene settings will be specific to the scenario.



Overview of scenarios and schedules within a project

The overall scenario settings (including the schedules for recordings) are the basis of the bandwidth and storage estimates provided for each camera. Modifying any of the scenario settings (including schedules for recordings) will automatically update bandwidth and storage estimates for all camera that are associated with that scenario.



3.1 Create a new scenario

To create a new scenario

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Click the **Add scenario** button
- 3) A scenario with a name New scenario is added to the list of scenarios with a default Scene setting.
- 4) To modify the default scenario setting click the ••• menu and select Edit scenario

3.2 Modify a scenario

To modify an existing scenario

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Select the scenario you wish to modify
- 3) From the ••• menu select Edit scenario
- 4) The scenario panel is displayed with the options to define scene, recording and storage settings.
- 5) Modify the scenario according to your needs. Your changes are saved automatically. All changes to a scenario automatically updates the camera settings associated with that scenario.
- 6) To finish working with the scenario, click Close.

3.3 Define a new default scenario

To define a new default scenario

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Select the scenario vou wish to make default
- 3) Click the star icon or from the ... menu select Make default.
- 4) This scenario as a default scenario is assigned to each new camera added to the project.

3.4 Rename a scenario

To rename an existing scenario

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Select the scenario you wish to modify
- 3) To edit the name, click the scenario name and enter a new name. Your changes will be saved automatically.

3.5 Copy a scenario

To create a copy of a scenario

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Select the scenario and from the ••• menu select **Duplicate**.
- 3) A new scenario is created with the same properties.

3.6 Modify a scene for a scenario

To modify a scene for an existing scenario you need to modify the scenario settings. See *Modify a*. You can select different scenes and add various options for recording, live view and storage for the scenario at the same time. All changes to a scenario automatically update the camera settings associated with that scenario.



3.7 Modify a schedule

Note: Modifying a schedule will update all scenarios where the schedule is used.

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to **Schedules**
- 2) By using the +/- buttons, you can add or remove time periods for the selected schedule.
- 3) Specify the days and the start and end time for the recordings. Your changes will be saved automatically.

3.8 Define data retention

To modify data retention details (ie how long a recording is stored) you need to modify the scenario settings. See *Modify a* .

You can select or enter the amount of days you wish to store recordings associated to the selected scenario.

All changes to a scenario automatically update the camera settings associated with that scenario.

3.9 Add a new schedule

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to **Schedules**
- 2) Click the Add schedule button to add a new schedule.
- 3) Click the schedule name and enter a new name.
- 4) By using the +/- buttons, you can add or remove time periods for the selected schedule.
- 5) Specify the days and the start and end time for the recordings. Your changes will be saved automatically.

3.10 Rename a schedule

Note: Modifying a schedule will update all scenario where the schedule is used.

- 1) In the top bar, click ← to go to your projects, , select a project, click → and go to **Schedules**
- 2) To edit the name, click the schedule name and enter a new name. Your changes will be saved automatically.

3.11 Sort schedules

To search for a specific schedule or schedules

- 1) In the top bar, click \leftarrow to go to your projects, select a project, click \bigcirc and go to **Schedules**
- 2) Enter part of the schedule name into the search field. Based on the selected term, your schedule or schedules are displayed.

3.12 Delete a schedule

Note: Modifying a schedule will update all scenarios where the schedule is used.

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to **Schedules**
- 2) Select a schedule, and from the ••• menu, select **Delete**. Your changes will be saved automatically.

3.13 Delete a scenario

Important: Any scenario that is assigned to a camera (including the default scenario) cannot be deleted.

- 1) In the top bar, click ← to go to your projects, select a project, click → and go to Scenarios
- 2) Select a scenario and from the · · · menu, select **Delete**.



4 Product selectors in AXIS Site Designer 2

In AXIS Site Designer 2, the **Devices** view helps you to select all the cameras and other products you wish to add to your project.

In the **Devices** view, each camera and other product is listed with its name, model and a quantity representing the number of identical devices added to the project. Bandwidth estimates are based on scenarios defined for a camera, with settings for usage scene and recording settings and schedules.

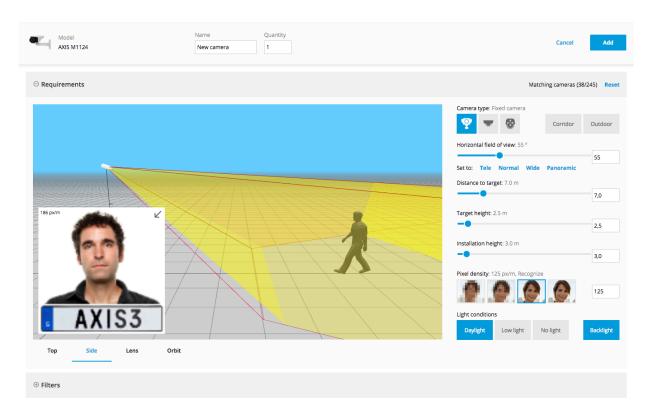
You can easily modify the product name, its quantity and scenario details for cameras and other products that are already added to the project. If you need to change device model, select **Change selection** from the ••• menu. This takes you to the appropriate product selector. See *Add devices to your project*.

Note: You can most devices to your project without specifying a model. If specified, key requirements for your device are stored so you can select a camera or an encoder model later.



4.1 Working with the Camera selector

The Camera selector in AXIS Site Designer 2 helps you choose the right camera that best suit your project needs.



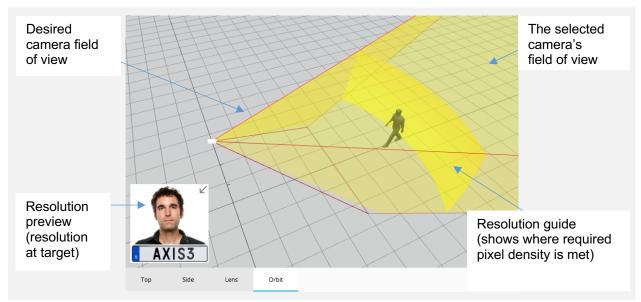
Camera selector in AXIS Site Designer 2

Using the filter panel, you can choose from key selection criteria to sort out the right camera type for your surveillance need. These criteria are

- Camera type model type, image format, outdoor ready
- Horizontal field of view with quick access to tele, normal, wide and panoramic settings
- Distance to target
- Target height
- Installation height
- Pixel density according to pre-defined DORI densities or enter your own required value
- Light conditions



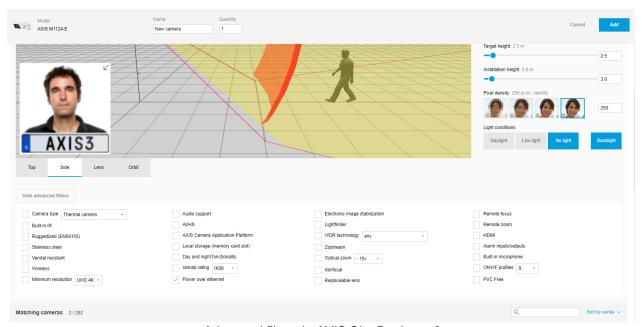
The visual display area (with different viewing angles – see image below) always shows you the cameras field of you and coverage area



Orbit view in AXIS Site Designer 2

Advanced filters

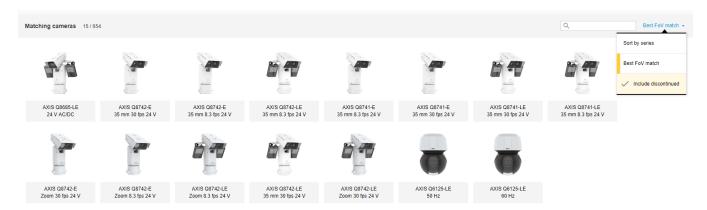
In addition to the filter panel, you can use additional filters from the toggle check list to narrow your search results.



Advanced filters in AXIS Site Designer 2



Based on your search filters, the **Matching cameras** section shows all cameras that fulfill the requirements you entered. You can sort matching cameras by series or by best field of view match. If needed, you can choose to include discontinued models in the search results as well.



Matching cameras sorted by field of view match

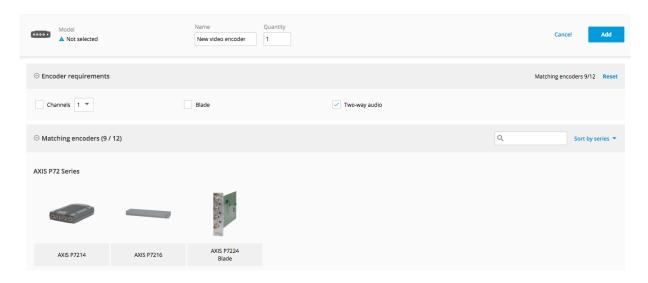


4.2 Working with the Encoder selector

The encoder selector in AXIS Site Designer 2 helps you choose the most suitable encoder for your project.

You can narrow your search by selecting

- channel count
- form factor (blade or stand-alone)
- audio support



Encoder selector in AXIS Site Designer 2

Based on your search filters, the **Matching encoders** section shows all encoders that fulfill the requirements you entered. You can sort matching encoders by series, including discontinued models in the search results as well.



The Matching encoders sorted by series, including discontinued products

Once you added an encoder, AXIS Site Designer 2 automatically adds the same number of analog cameras as the added encoder has channels. These cameras will all be assigned to the same scenario. If the connected cameras require different scenarios, adjust the quantity of analog cameras. You will then get the option to add analog cameras. Click **Add an analog camera** to add a separate quantity of analog cameras that can use a different scenario.

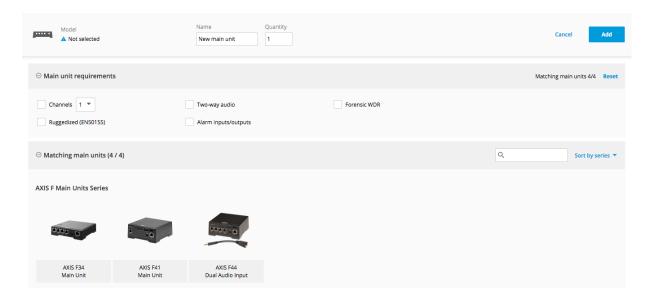


4.3 Working with the F/FA-series selector

The F/FA-series selector in AXIS Site Designer 2 helps you choose main units for modular cameras used in your project.

You can narrow your search by selecting

- channel count
- audio support
- forensic WDR
- ruggedized
- alarm inputs/outputs



F/A-series selector in AXIS Site Designer 2

Based on your search filters, the **Matching main units** section shows all main units that fulfill the requirements you entered. You can sort matching main units by series, including discontinued models in the search results as well.



The Matching main units sorted by series, including discontinued products

After adding a main unit, you can add sensor units by clicking **Add a sensor unit.** The sensor unit selector opens to allow you to select sensor units that are compatible with the selected main unit.

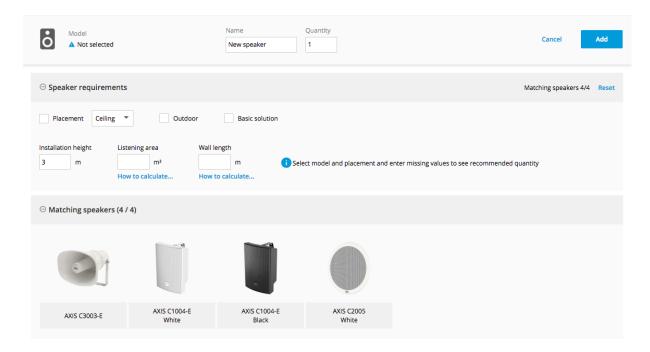


4.4 Working with the speaker selector

The speaker selector in AXIS Site Designer 2 helps you choose speakers for your project and calculate a recommended quantity.

You can narrow your search by selecting

- placement
- installation height



Speaker selector in AXIS Site Designer 2

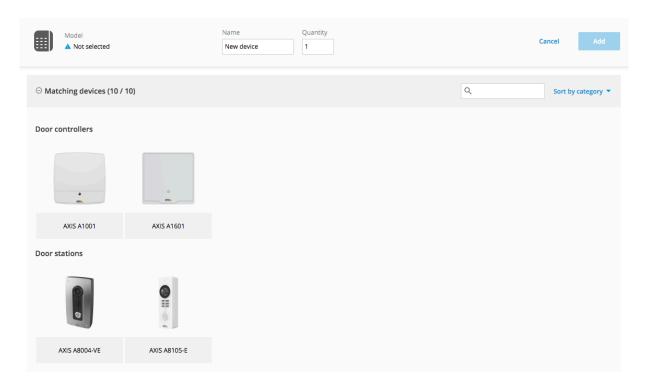
Based on your search filters, the **Matching speaker** section shows all speakers that fulfill the requirements you entered.

To see a recommended speaker quantity you must select placement, a model and set the installation height and either the listening area or the wall length.



4.5 Working with other devices

Physical access control devices, radars and decoders can be added using the more devices selector.



More devices selector in AXIS Site Designer 2

Unlike other selectors, the more devices selector requires that you pick a model before adding the device to the project.



4.6 Working with recording and networking devices

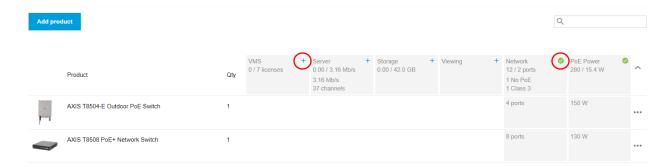
The **Recording** view in AXIS Site Designer 2 helps you choose all the system devices required to connect and use all the selected devices in your project. See *Add recording and networking devices*.



Recording and network view with a list of selected products in AXIS Site Designer 2

From this view you can add, replace or delete recording and network devices in your project.

To help reviewing the project requirements, the column headers indicate with a + or sign if the listed system devices fulfill the project needs, or if you need to add more VMS licenses, servers, storage capacity for recording, video or Ethernet ports, or power resources.

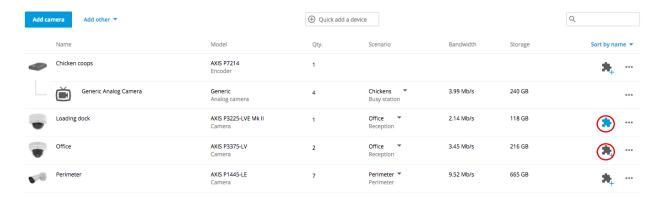


Product listing indicating that the selected system devices do not fulfill the project requirements



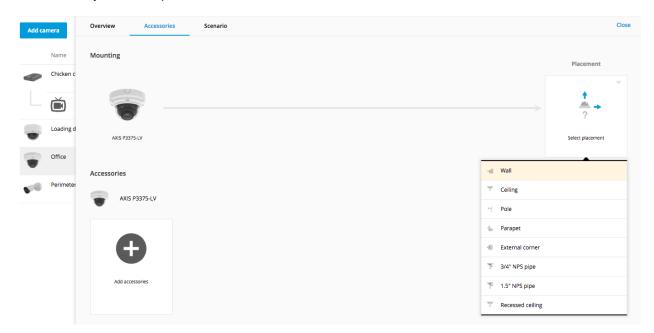
4.7 Working with accessories

To add accessories, go to **Devices** and click the puzzle icon for the device you wish to add accessories to. If the puzzle icon is solid blue, the device has already accessories added, and you can modify or add to the selection.



Open the accessory selector from the Devices view in AXIS Site Designer 2

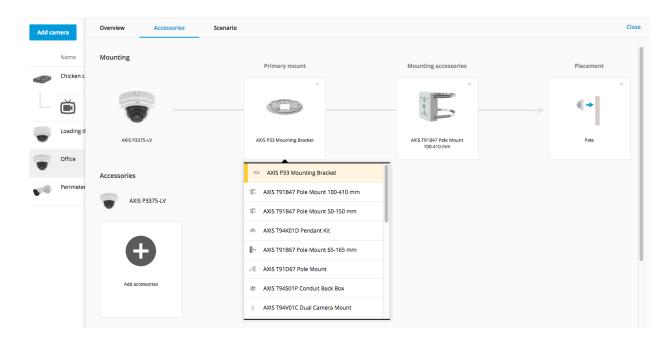
The accessory selector opens.



The accessory selector in AXIS Site Designer 2

Click **Select placement** to see and select placement options for the selected device. After a placement has been selected, a suggestion for appropriate mounts is shown.

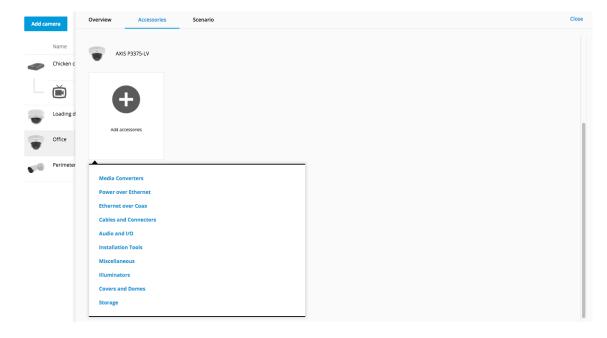




Pole placement has been selected

You can then select alternative mounts by clicking the **Primary mount** or the **Mounting accessories** to select other options.

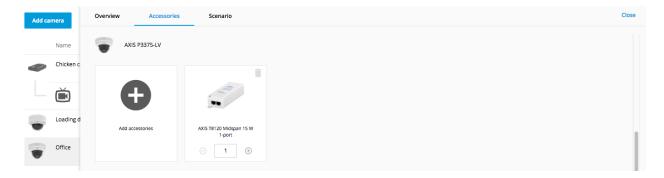
To add other accessories to the camera or one of the mounts, click the **Add accessories** button below the product you wish to add accessories to. Select a category and the accessory to add.



Adding other accessories to a camera



Once accessories have been added, they are shown next to the Add accessory button, and you can adjust the quantity. Remove the accessory by clicking the \blacksquare icon.

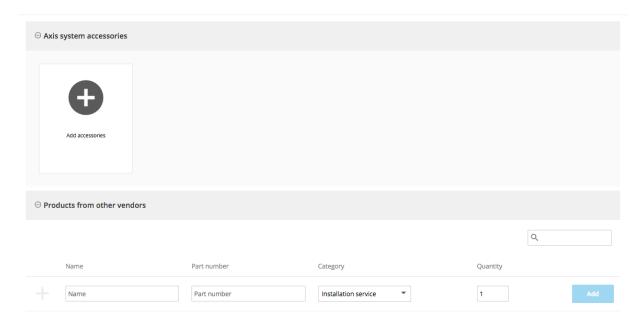


A midspan has been added as an accessory to the selected camera



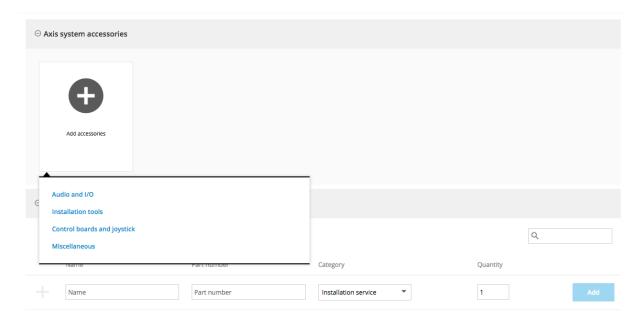
4.8 Working with system accessories and third-party products

To add system accessories and any third-party products, go to **Other**. In this view you can add system accessories from Axis and add any products and services that are not supplied by Axis



Add system accessories and third-party products in AXIS Site Designer 2

To add system accessories, click the **Add accessories** button below the product you wish to add accessories to. Select a category and the accessory to add.



Adding system accessories



Once accessories have been added, they are shown next to the Add accessory button, and you can adjust the quantity. Remove the accessory by clicking the \blacksquare icon.

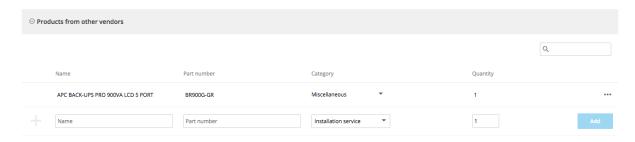


A control board has been added as an accessory to the system

To add any product or service not available from Axis, use the **Products from other vendors** list. Type the name of a product or service into the Name field, enter a part number (if available) and select the category from the available categories:

- Installation service
- Recurring service
- Software
- Network component
- Miscellaneous

Click Add to add the product or service to the project.



A UPS has been added to the system



5 AXIS Site Designer 2 for AXIS Design Tool users

As an AXIS Design Tool user, you will be familiar with most concepts and functions available within AXIS Site Designer 2. This section provides an overview of some of the differences between AXIS Site Designer 2 and AXIS Design Tool. AXIS Site Designer 2 supports all AXIS Design Tool functionality, allowing you to:

- mange multiple design projects
- add cameras and encoders
- make bandwidth and storage estimates based on scenarios and scenes
- print a bill of materials and a bandwidth estimate report
- import and export projects.

Additionally, as new features, you can work with the following functionality as well:

- selectors for cameras, modular cameras, encoders and other Axis devices to help you find the right product
- accessory selector to help find mounts and other accessories
- options to add network video recorders, desktop terminals and network switches to your project
- improved bandwidth estimates, with support for Axis Zipstream and 4K cameras
- bill of materials with part numbers
- sign in option allowing you to save projects to your My Axis account

5.1 Multiple views

Compared to the single view interface of AXIS Design Tool, AXIS Site Designer 2 uses multiple views which are available from the navigation menu on the left. By switching between the different options (corresponding to AXIS Design Tool functions), you can access scenario settings, reports or the project settings.



From all the views you can easily access the projects view by clicking the \leftarrow icon in the top bar. From this view, you can add new projects, switch between projects and import or export existing projects.

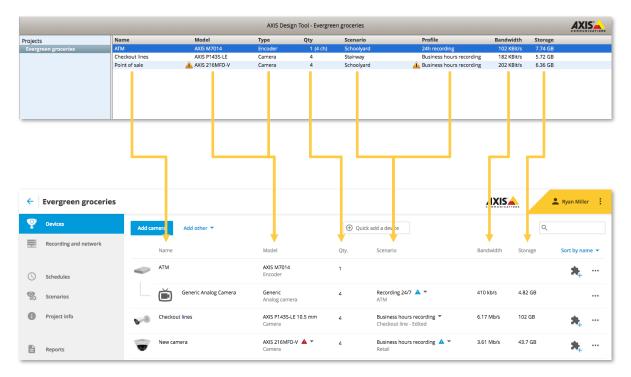


Once you open one of your projects, the following menu options will be available in the navigation menu:

- Devices This view corresponds to the device listing in AXIS Design Tool. It lists all cameras and other devices that are added to the project.
- Recording This view is new and can be used to add network video recorders, desktop terminals, network switches as well as product licenses (if needed).
- Other Use this view to add system accessories and products from other vendors.
- **Schedules** This view replaces the Recording setting used in AXIS Design Tool scenarios. You can set various schedules here for the different recording scenarios.
- **Scenarios** This view corresponds to the Profiles dialog in AXIS Design Tool and includes schedule settings, scene selection and recording configuration options.
- Project info This view corresponds to the AXIS Design Tool Settings panel. You can select the
 country where the designed system will be installed which helps you to work with the relevant
 product and pricing information applicable for the selected market.
- Reports This view corresponds to the AXIS Design Tool Reports dialog. You can access and export the bill of materials and the bandwidth report.

5.2 The Devices view

The Devices view is similar to the main view in AXIS Design Tool.



Comparison between AXIS Design Tool and AXIS Site Designer 2

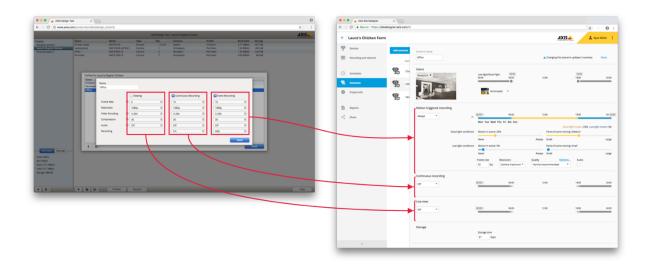


5.3 Scenarios with multiple settings

Like *Profiles* in AXIS Design Tool, *Scenarios* in AXIS Site Designer 2 allow you to set up live view, continuous recording and motion triggered recording (known as Event recording in AXIS Design Tool).

In addition to the recording and live view settings, the *Scenario* in AXIS Site Designer 2 includes the scene selection used for the bandwidth estimate. The Scenario also holds the number of days a recording is stored, making it possible to specify different retention times for cameras in your project.

Each camera that is added to you project is associated with a scenario. You can set up as many scenarios as you need. When the settings in a scenario is updated, all cameras that are associated with that scenario are updated automatically, allowing you to update the settings for multiple devices at the same time.

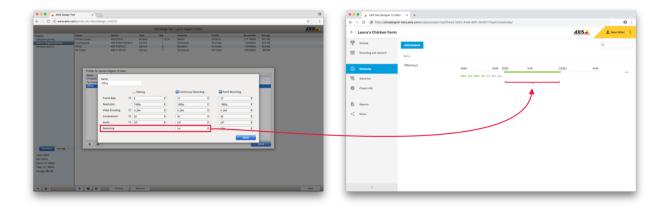


Recording settings for cameras and encoders in AXIS Design Tool and AXIS Site Designer 2



5.4 Easy configuration with Schedules

Support for schedules is a new feature in AXIS Site Designer 2. Schedules are used within each scenario to determine when a recording is active. This functionality replaces the *Recording* settings in AXIS Design Tool.

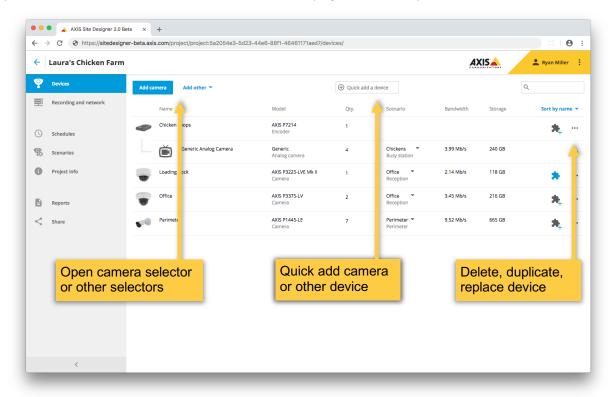


Schedules are used to determine when recording is active



5.5 Camera and encoder selectors in AXIS Site Designer 2

AXIS Site Designer 2 includes selectors for cameras, modular cameras and encoders to help you choose products suitable for your project needs. If you already know what model you want to use, you can enter part of the model name into the *Quick add* box to display a shortlist of products to choose from.



Devices view with access to camera selectors and quick add

See more details in Product selectors in AXIS Site Designer 2