

Axis Coverage Shapes for Microsoft[®] Visio[®]

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Axis Coverage Shapes for Microsoft® Visio® provides interactive 2D CAD security camera models to use in Microsoft® Visio®. The camera models can be placed into a floorplan inside Visio to visualize camera coverage and integrate surveillance system planning into your designs.

This manual is based on Microsoft® Visio® Standard 2016. Menu options might differ in other Visio versions.

Using the Axis Coverage Shapes for Microsoft® Visio® is subject to Axis General Software License Terms.

Getting Started

Download the files

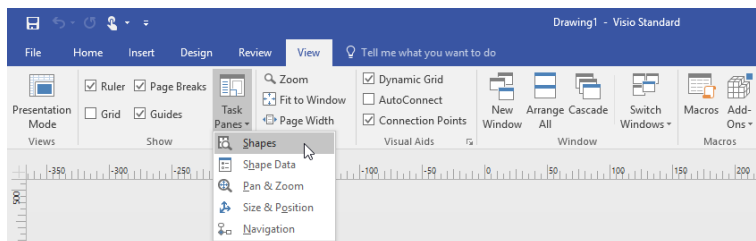
This manual is based on the assumption that you are familiar with Microsoft® Visio®. If you need help using Visio, refer to *Microsoft® Visio® help*.

1. Download the zip file for Axis Coverage Shapes for Microsoft® Visio® from axis.com/tools/axis-coverage-shapes
2. Extract the files on your local drive (C:) to Documents\My Shapes.

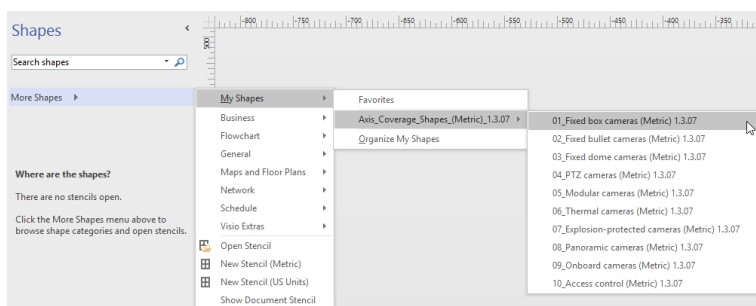
Add Coverage Shapes to Visio

1. Open Microsoft® Visio® and open the Shapes task pane.

If it's not open or not visible, go to **View > Task Panes** and select **Shapes**.



2. In **Shapes**, select **More Shapes > My Shapes** where you can select the group or groups of Coverage Shapes you downloaded.

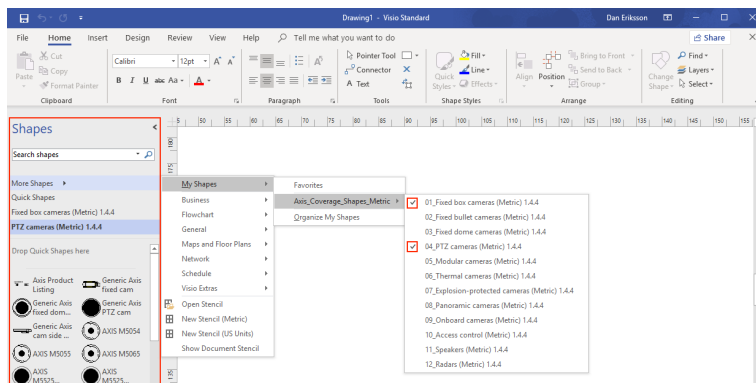


3. When prompted, select **Trust all from publisher** or alternatively **Enable Macros** in the Microsoft® Visio® Security Notice. You need to enable macros to be able to use the Coverage Shapes.

You'll now have the selected camera families available in the **Shapes** task pane.

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Import a floorplan

Designing a system in Microsoft® Visio® usually starts by importing a floorplan.

Before you start

Check out our tool tips for *Measuring tools* and *Scaling*.

Import a CAD drawing

Verify the scale of the AutoCAD file

1. To verify or change the scale of the AutoCAD file before the file import, open the Plot dialog in AutoCAD and note or change the scale. For more information, refer to related *AutoCAD tutorials*.

Import the AutoCAD file to work with

2. To import an AutoCAD file, open Microsoft® Visio® and go to **Insert > CAD Drawing**. Select the file to import and click **Open**.
3. In the **CAD Drawing Properties** dialog, set the **CAD drawing scale** parameters and make sure that the **Lock size and position** and **Lock against deletion** checkboxes are selected.

If you are experiencing issues with the file import to Microsoft® Visio®, try saving the AutoCAD file as R14/LT98/LT97-drawing. For more information, refer to related *AutoCAD tutorials*.

Assign a camera layer to the image

4. Before adding cameras, make sure to double check the scale of the imported floorplan. Go to **Design > Page Setup > Drawing scale** to verify or change the defined scale.
5. Go to **Home > Editing > Assign to Layer** and create a new layer that will serve as a layer for the cameras to add. Go to **Home > Editing > Layers > Layer Properties**, select the newly created layer and mark this layer as **Active layer**.

Import a PDF file

PDF files are not ideal to work with as they are not vector files. We recommend you to use an online tool, such as *Microsoft® PDF to JPEG application* to convert PDF files to image files, or to *take a snapshot of the PDF floorplan* to save it as an image file.

Import the PDF image to work with

1. To import a PDF file, open Microsoft® Visio® and go to **Insert > Object > Adobe Acrobat Document**.
2. Select the file to import and click **Open**.

After the import is done, make sure to fit the imported PDF image into a single page in Microsoft® Visio®.

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If you need to rotate the image, go to **Home > Arrange > Position**.

3. Mark the imported floorplan and go to **Home > Arrange > Group** and select **Ungroup**.

Define the scale of the PDF image.

4. To be able to define the scale of the image, use the *Measuring tool*.
5. Once measuring is done, open a new page in Microsoft® Visio® and go to **Design > Page Setup > Drawing scale** to enter the defined scale.

Assign a camera layer to the image

6. Go to **Home > Editing > Assign to Layer** and create a new layer that will serve as a base layer to your floorplan. To lock the plan in place, go to **Home > Editing > Layers > Layer Properties**, select the newly created layer and select the **Lock** checkbox.

Repeat this step to create another layer for the cameras to add. In the **Layer properties** dialog, mark this layer as **Active layer**.

Now you can start adding cameras to your PDF floorplan image.

Import a Map image

Instead of importing a map image into Microsoft® Visio®, we recommend you to try the maps feature in *Site Designer*, which offers a smooth and reliable workflow using the integrated map functionality.

Adding Cameras

Before you start

Axis provides regular updates to this offering, make sure you always start by downloading the latest version from axis.com/tools/axis-coverage-shapes.

1. Once the layer for cameras is defined in your floorplan, go to **More Shapes > My Shapes** and select the desired families. Repeat this step to all camera families you want to load into your design.
2. To add a camera model to the floor plan, browse the selected camera families and drag-and-drop to the models into the drawing.
3. Modify the default camera models settings in your floorplan according to your design.
 - To control the camera model's Field of View (FOV) settings, use the yellow toggle handles within the model. The provided data fields will change as the FoV is repositioned.
 - To change the parameters of the camera model, right-click the camera model and select **Edit Shape Data** option where you can adjust most of the camera attributes.
 - To edit the displayed text for the camera model, right-click the camera model and select **Edit Text**. Update the name of the camera model and click ESC on your keyboard.
 - To copy an existing camera model into other locations within the same floorplan, right-click the camera model and use the **Copy** and **Paste** options.
4. To add a camera schedule for the camera models in your floorplan, drag-and-drop the **Axis Product Listing** stencil into the drawing. The stencil will include by default the already placed models in your floorplan. To edit the displayed text in the listing, right-click the text field and select **Edit Text**. Once your changes are added, click ESC on your keyboard.

Export to Site Designer

To be able to continue working with your design plan, you can export your complete floorplan and camera models into **AXIS Site Designer**.

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1. Save your drawing in Microsoft® Visio®.
2. Right click any camera in your drawing and select **Export all Cameras**
3. In the **Export Cameras** dialog, click **Export to Axis Site Designer**. When the export is done, a pop up dialog is shown with the export file location. Click **OK**.

Note

From this dialog you can also export your project as a comma separated file into other planning tools (for example Microsoft Excel). Make sure to select **Comma** as a separator before you click **Copy to Clipboard**.

4. Open *Site Designer* and select **Import project**.
5. Browse to your .asdp / .asdpX file you wish to import and click **Open**. You get a notification in Site Designer once the import is completed.

For more information about AXIS Site Designer, go to .

Tooltips

This section includes a few useful ideas to help you using Microsoft® Visio®. We recommend you to refer to *Microsoft® Visio® support pages* for more details and tooltips.

Creating templates

You can create Microsoft® Visio® templates for a specific paper size to help you quick starting your projects. Use the "Save As" command to ensure you are not making changes to the original template.

Additional pages in Visio

Follow these steps to add a new page in Microsoft® Visio®:

1. In the drawing area, scroll to the bottom of the page and click on the cross sign to Insert page.
2. To copy your existing drawing into the new page, select (Ctrl + A) and copy (Ctrl + C) your drawings and paste them in the new page (Ctrl + V).
3. To rename the page, right click the new page you created and select **Rename**.

Measuring tools

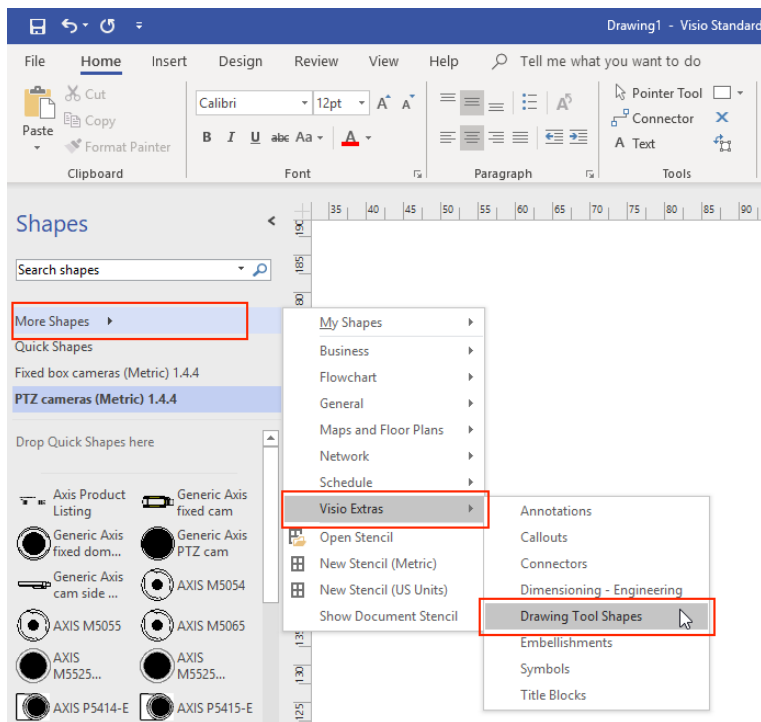
To help your projects with scaling, use the measuring tools in Microsoft® Visio®.

1. To add the measuring tools to the **Shapes** tool pane, go to **Shapes** tool pane > **More Shapes**> **Visio Extras** > **Drawing Tool Shapes**

Select **Horizontal measure** and **Vertical measure** from the available tools.

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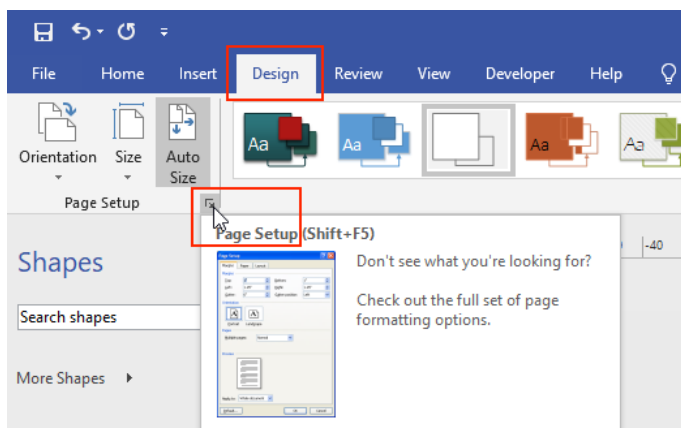


2. To add measuring tools to your Favorites, right-click Horizontal measure and / or Vertical measure in the Shapes tool pane and select Add to My Shapes > Favorites.

Scaling

When the drawings you create contain real-world objects that are larger than a printed page you need to draw to scale. We recommend you to determine the scale of a drawing prior to importing a floorplan.

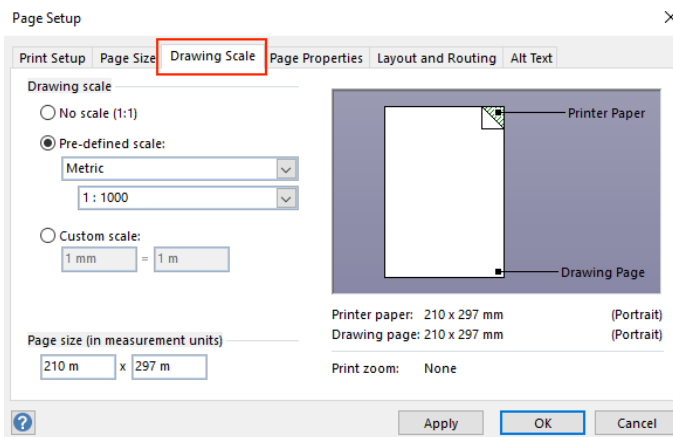
1. Go to File > New and create a new project.
2. In the Design tab, go to Page Setup (Shift + F5) to open the full set of page formatting options.



3. In Page Setup, go to Drawing Scale and enter the pre-defined scale details and/or the page size

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For more information on scaling, refer to the *Microsoft® Visio®* online help.

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Frequently Asked Questions

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Why does the Visio® drawing rescale when adding a product to the drawing ?

You should not experience any issues just by placing a camera into your Visio® project. If you encounter an issue like this, please send us an error report using *this mail template*. Don't forget to add all the necessary information about your issue (affected products, screenshots), and please write your report in English.

The Drag to change the Focal Length handle does not work on all cameras – why is that?

All cameras are equipped with the Drag to change the Focal Length handle, even though some of them cannot be adjusted.

Some cameras have a fixed value on this handle (and not a range between to variables), therefore with a fixed value the handles cannot fill any other function (as there is nothing to adjust as in a range),

Why is it not possible to save a Visio® drawing as pdf when the drawing contains multisensor cameras?

This is a known bug concerning Microsoft® Visio® functionality. Try saving the file as PDF using the Print to PDF option. Go to File > Print > Printer. Select Microsoft® Print to PDF option and click Print. You can select where to print (ie save) the PDF file after you clicked Print.

Why is the camera set to look top-down when adding it to the Visio® drawing?

You should not experience any issues just by placing a camera into your Visio® project. If you encounter an issue like this, please send us an error report using *this mail template*. Don't forget to add all the necessary information about your issue (affected products, screenshots), and please write your report in English.

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Support

Support

If the support is concerning the use and functionality of Microsoft® Visio®, we recommend you to refer to *Microsoft® Visio® support pages*.

If the support is concerning the use and functionality of the Axis Coverage Shapes, we recommend you to check out our online manual and the available FAQ articles before you report an issue.

If the problem still persists, you can use *this mail template* to report your issue to Axis. Don't forget to add all the necessary information about your issue, including models where you encounter the issue. Please send your report in English.

Note

Our ability to support is fully focused on the functionality of the CAD tool features we deliver. We don't provide support for questions and issues not concerning the Axis deliverable.

