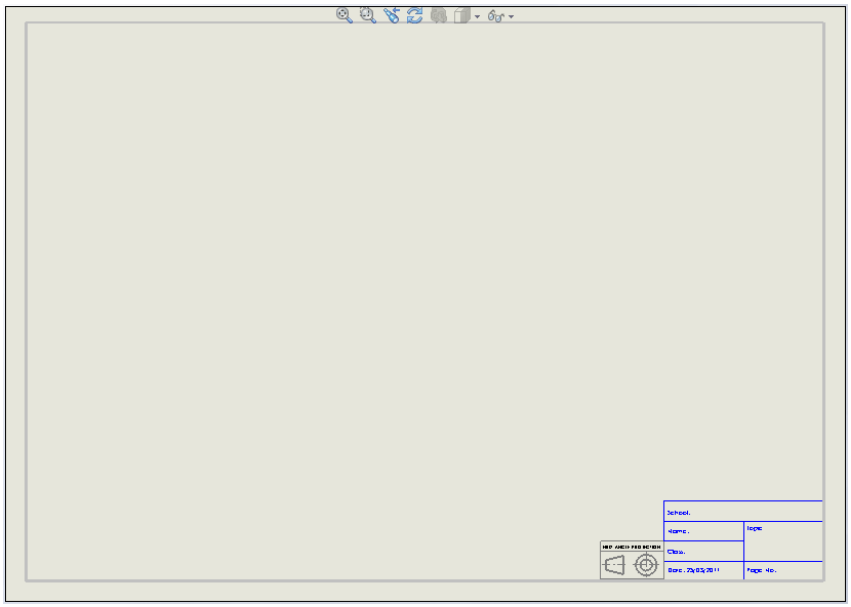
Creating a Dimensioned drawing from a part/assembly file

- Open SolidWorks.

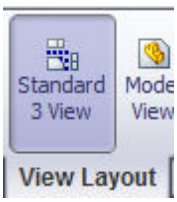
- Select the open folder icon on the toolbar located in the top left-hand corner of the page.

- Browse for the 'Drawing File Template' which can be downloaded from the website.

- Open up this template.



- The next step is to import the part/assembly file that we wish to create a dimensioned drawing off. This is done by selecting the view layout tab and clicking on the Standard 3 view icon. The file that we will be importing is the Fujifilm camera.



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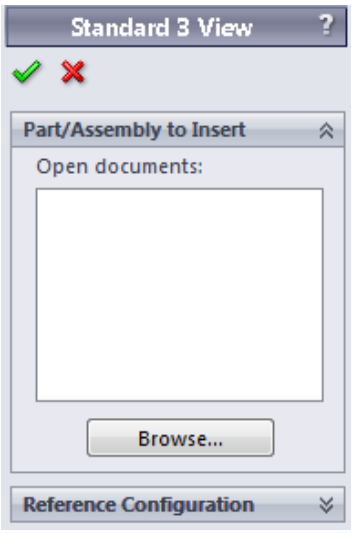
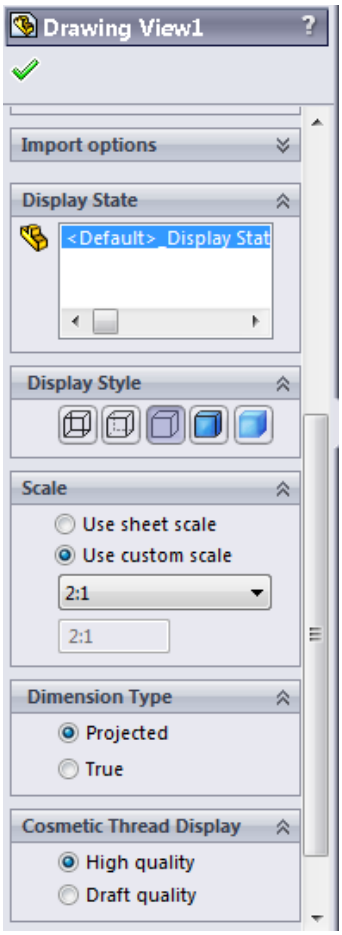


- Once you click on this icon, a dialog box will open asking you to browse for the part file. Select browse and browse for the Fujifilm camera. Select the file and click open.

- The orthographic views of the camera will automatically be positioned on the template that you previously opened.

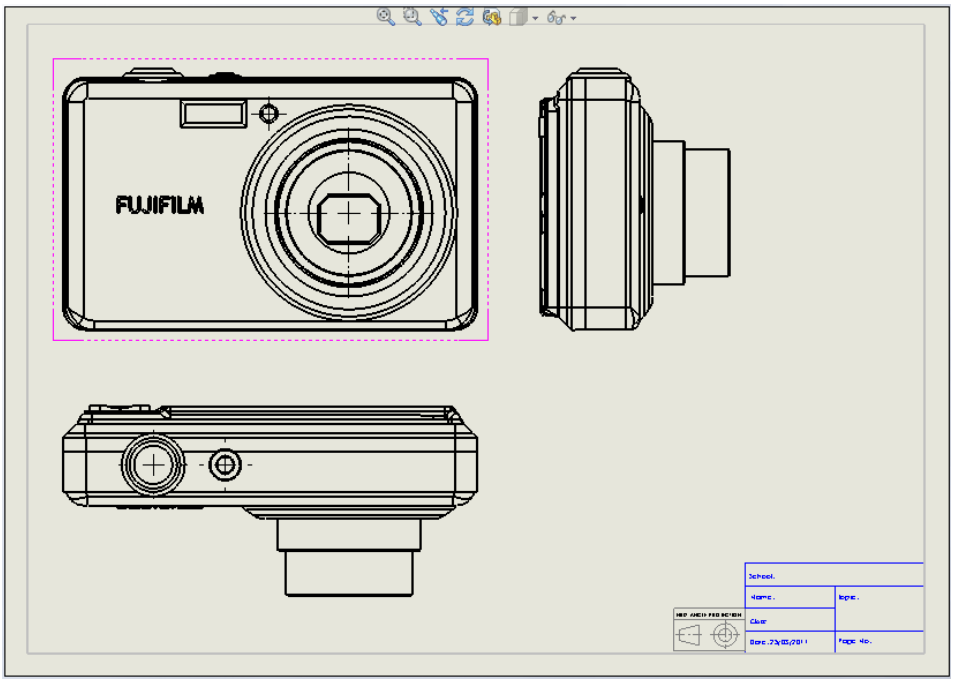
- We can vary these views by altering the scale and the display style which gives us the choice to show hidden detail or coloured orthographic views.

- Now that we have chosen our scale and display style we click the green tick.



Display Style ⟶

Scale ⟶



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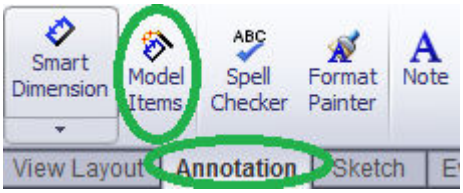
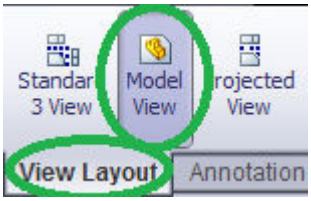
- Now we can dimension all these views easily.

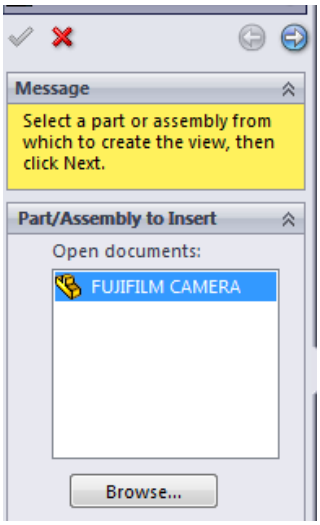
- Select the annotation tab and click on the Model Items icon. This allows us to select any line or face in any of the orthographic views, which SolidWorks automatically dimensions.

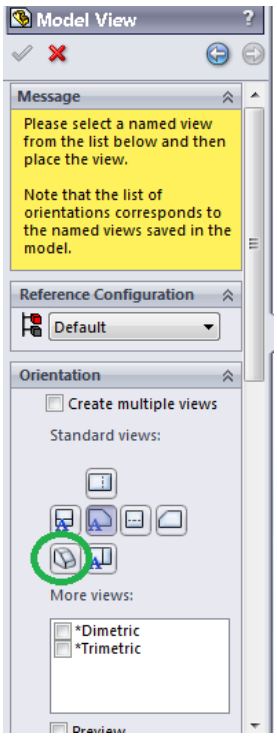


- We can now create a 3-Dimensional View of the camera to display detail. This can be done by selecting the view layout tab and clicking on model view.



- We must then select the camera by double clicking on it.





- A model view dialog box opens up where we must select the isometric tab as highlighted in order to create a 3-Dimensional view of the camera.
- We can also scroll down and change the appearance of this view to that of a coloured realistic view.

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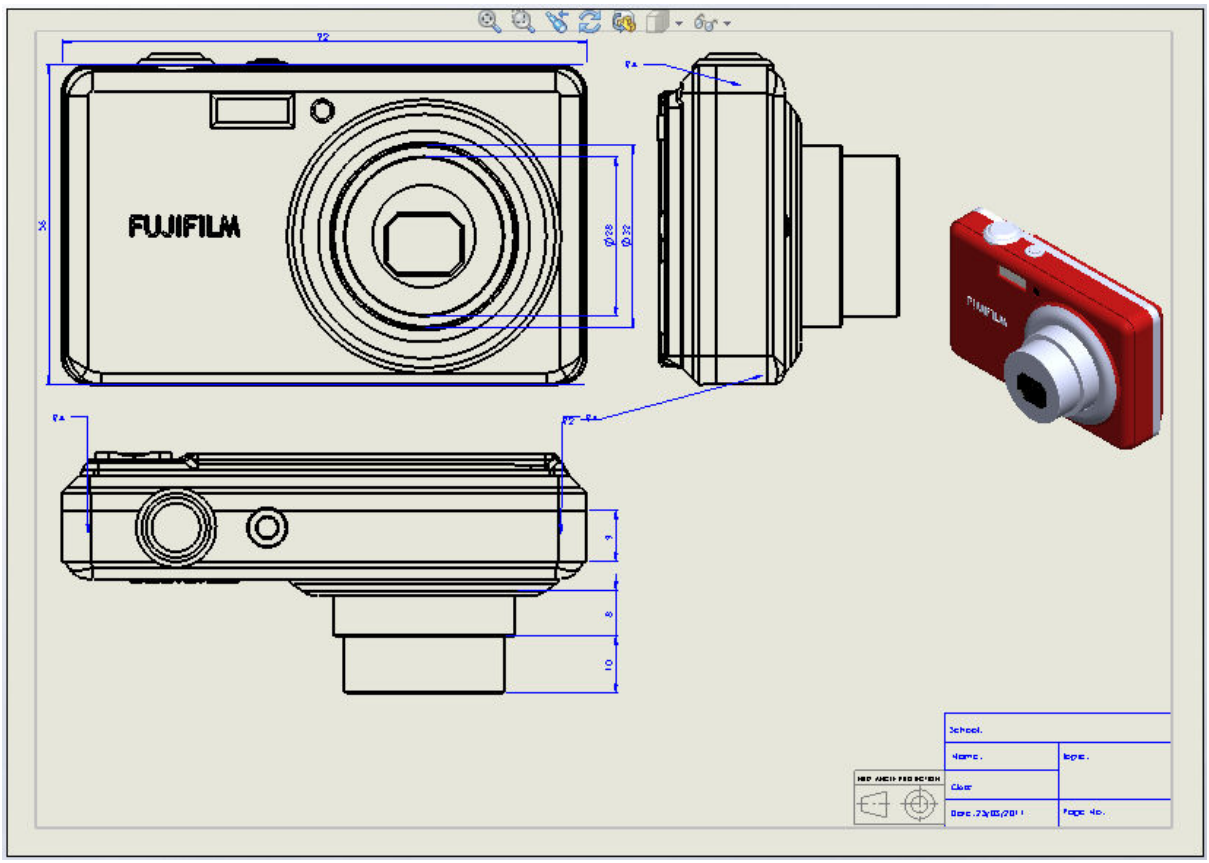
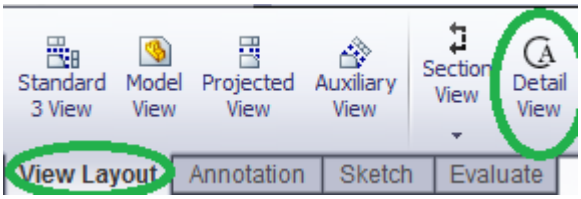


- The final step is to create a detailed view of the lens. This is done by selecting the detail view icon on the view layout tab.



- We then must sketch a circle around the lens with the cursor as we normally would and click into the empty space where we wish to position the detailed view.

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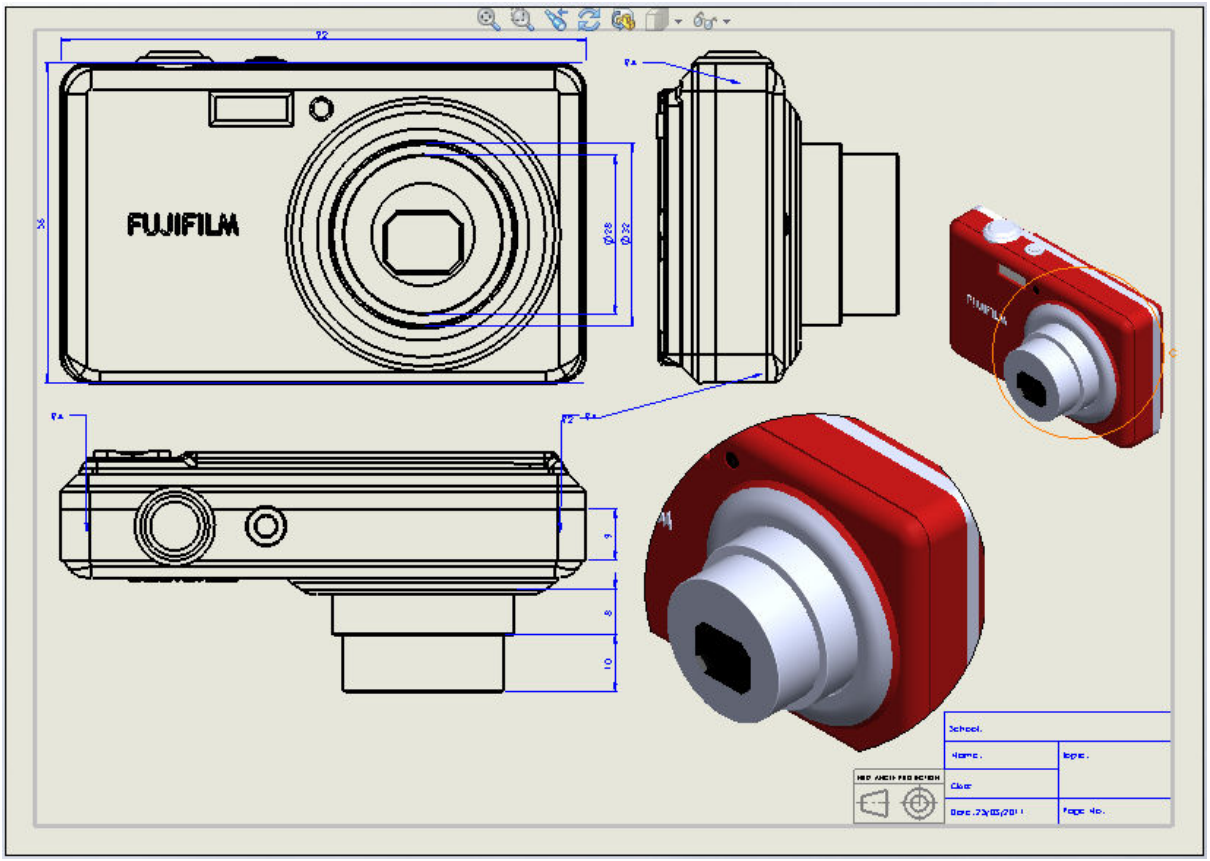
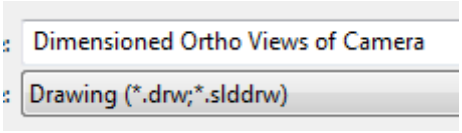


- Don’t forget to save out the file. Save the file as a Drawing Drw file.



Dimensioned Drawing Completed

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