

Digital Images for Projection

This assumes you have edited the file to your satisfaction and still have the image on-screen (or have reloaded it) in Photoshop or Elements. It is probably as a .psd file or as a JPEG

Producing the projected image.

1. Flatten the image On the **Main Menu**, select **Layer** then **Flatten Image**

2. Convert to 8-bit

If your image is already in JPEG format, then it must be in 8-bit mode, so jump to 3.

If your image started as a RAW file, it may still be in 16-bit mode. You cannot convert to a JPEG from this mode as JPEG only supports 8-bit. To convert, on the **Main Menu**, click **Image** then **Mode**.

In Elements, if 8-bits/channel is greyed (not accessible) then the image is already in 8-bit mode. If it isn't greyed, then click it to convert. Conversion is instant.

In Photoshop, a checkmark will show the current mode. If necessary, click 8-bit to convert.

3. Resize to maximum 1024 pixels wide x 768 pixels high.

In Elements, **Image – Resize – Image Size**
In Photoshop, **Image – Image Size**

When the Image Size dialogue box appears,

The Document Size area can be ignored

Make sure the Dimensions units are set to Pixels.
Make sure that all three boxes at the bottom are ticked.

Select **Bicubic Sharper** from the list (best for downsizing)

The initial value for **Width** will be highlighted. (double-click it if it isn't) – **see top right**

Type in a value of **1024** for the **Width** – the **Height** value will change to keep the aspect correct. – **see bottom right**

If the **Height** value has become **768 or less**, click[OK]

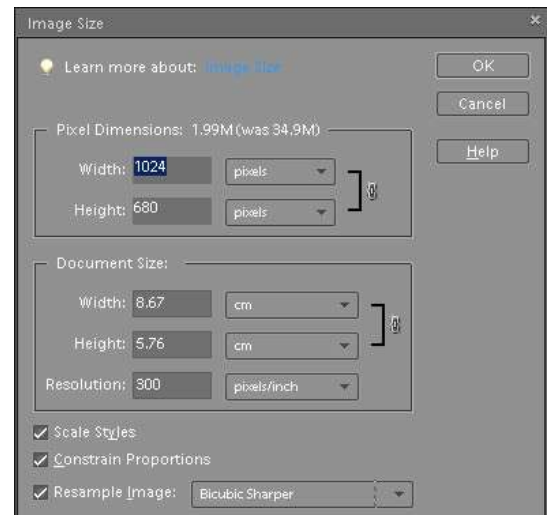
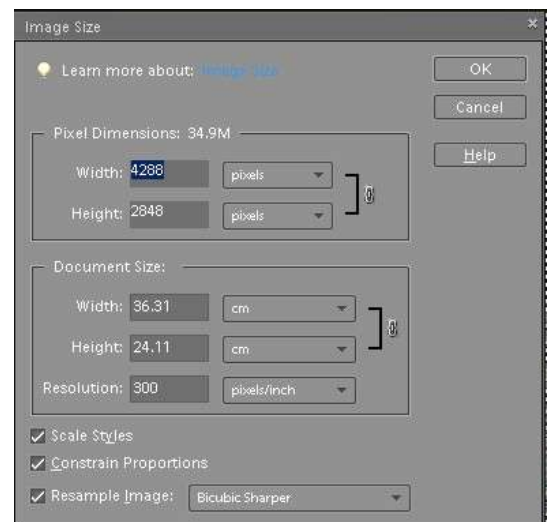
If the **Height** value has become **more than 768**, press the **[Tab]** key twice to move to the **Height** value box, type in **768** and then click **[OK]**

The **Width** value will change to maintain the aspect.

4. Save the new image as a JPEG file.

The settings here are designed to show the image to your best advantage.

On the Main Menu, select **File** then **SaveAs...**



Select a location (folder) for the saved image at the top.

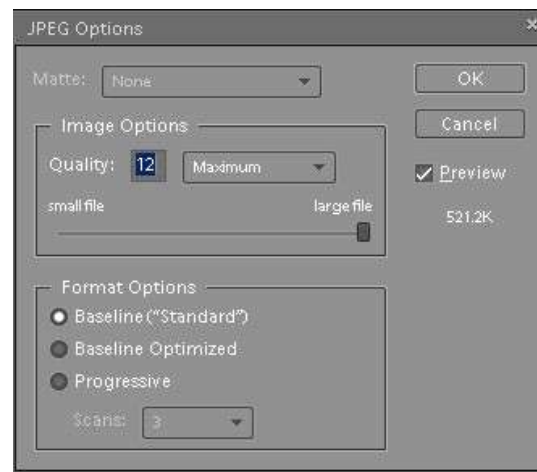
Select JPEG for the **Format**

File name should be EXACTLY as you would like it to appear on the projector screen eg Winter Mountains

Click [OK] to enter the JPEG Options dialogue box shown right.

All you need to do here is to pull the slider fully to the right (large file) and check the Baseline (“Standard”) button.

Then click [OK]



The file should now be in your chosen folder as Winter Mountains.jpg

Note. It is not now necessary to make up the canvas size to 1024 x 768 pixels if your image is smaller than that. The black surround will be provided automatically by our current projection software. If, however, you decide you want some other colour surround, then you will need to fill up to the 1024 x 768 pixels with the colour of your choice using the Canvas Size feature.

John Hughes, Nov 2009