

Resizing images for projection 2020

Aspect Ratio

This is what determines the shape of your image and is set in your camera. The common ones are 4:3, 3:2 and 16:9. In some cameras you can change these, in others it is fixed.

4:3



3:2



16:9

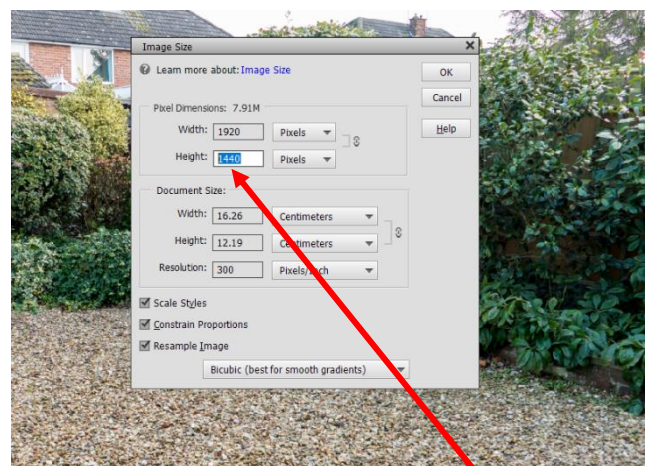
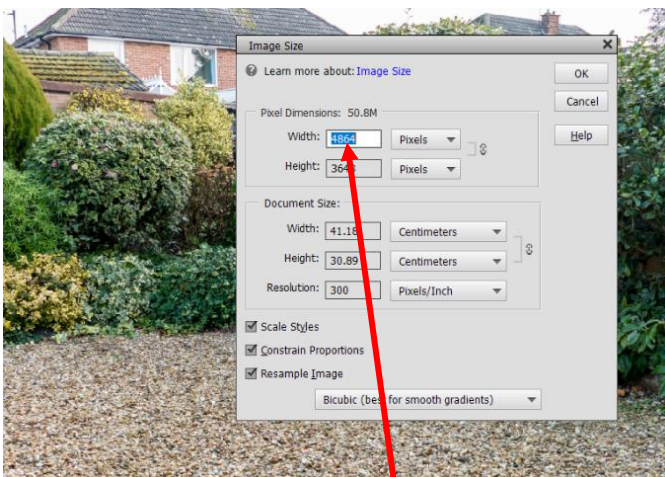


You can see the difference the aspect ratios make to the picture. **The important things to remember are that it does not matter in which ratio you shoot and you do not need to change.**

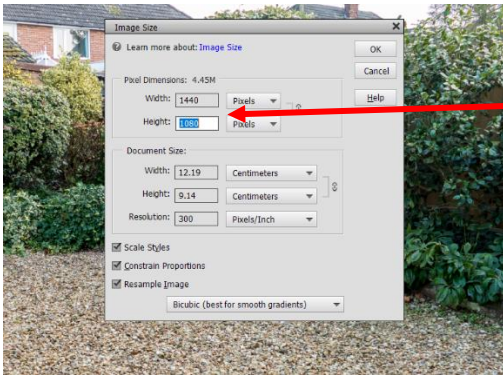
Resizing images

The new size that the society has decided to adopt for projection is **1920 pixels x 1080 pixels** (Aspect ratio 16:9). This is a **MAXIMUM** size so your image can be any shape as long as it does not exceed either or both dimensions.

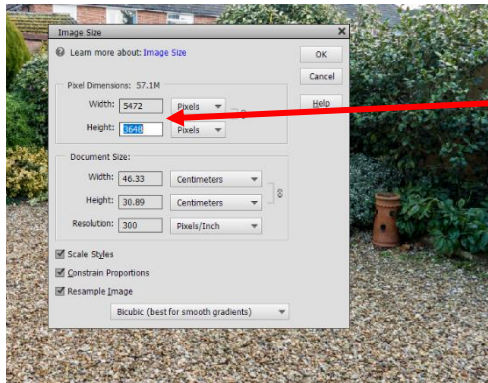
If I adjust the image size of the above images this is what I get using Photoshop Elements 15. The 4:3 aspect ratio image has a file size of 4864 pixels x 3648 pixels (your image will probably have slightly different values):-



If I alter the width to 1920pixels.....the height becomes **too large**(1440px)



By altering the **height first to 1080px** the image size becomes 1440 px x 1080px and fits **within** the 1920px x 1080px size for projection.

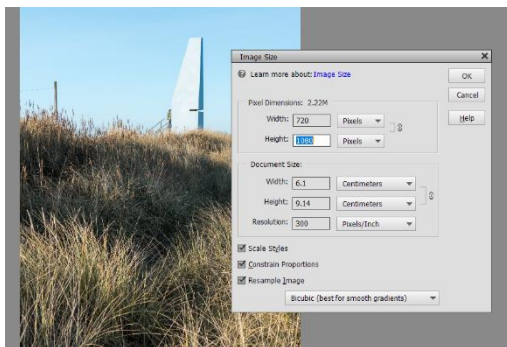


For my 3:2 aspect ratio image my original file size is 5472px x 3648px.

By changing the **height first to 1080px** the image size becomes 1620px x 1080px. Again, it is **within** the maximum size.

My 16:9 aspect ratio image has a file size of 5472px x 3080px. Changing the **height first to 1080px** it becomes 1920px x 1080px which is exactly the same as the maximum size.

If your image is in **Portrait Mode** always change the **height first to 1080px**. e.g. a 3:2 ratio portrait image from my camera has a file size of 3648px x 5472 px.



By changing the **height first** the image size becomes 720px x 1080px which is within the maximum size.

In summary, my message is:- when resizing images for club projection **change the height first to 1080 pixels** and let the width look after itself.

****A word of caution** – if your image is a very **narrow letterbox** or a **panorama picture** and you have changed the height to 1080px, double check the width as it may be greater than 1920px. If that is the case break the “height first” rule and resize again, this time setting the width to 1920px.

If all else fails and I have totally confused you, send me your finished unsized image (flattened jpeg) and I will resize for you! I’m here to help if you need it.