

Photoshop Image size

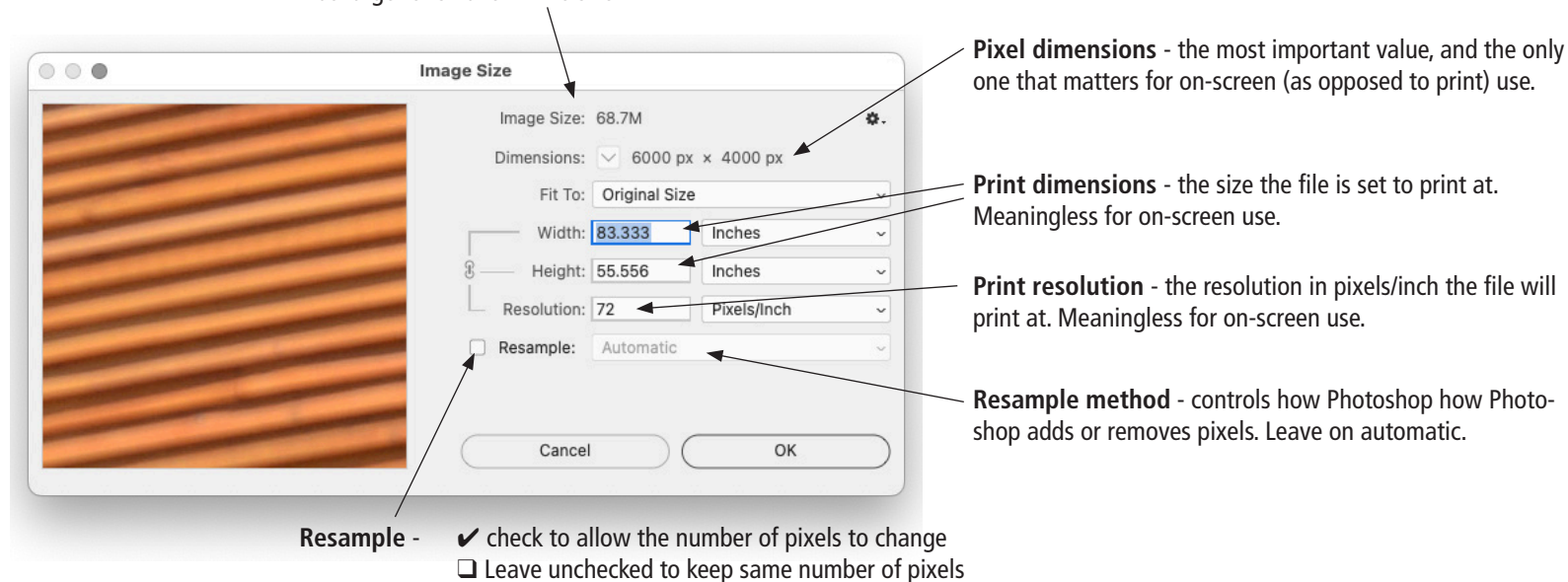
Photoshop's Image Size dialog is the heart of the program. Access it from the **Image** ► **Image size...** menu.

The dimensions (measured in pixels) are the critical values. You cannot usefully add pixels to an image;

Photoshop can only add averaged value pixels, leading to a blurry image. You may want to decrease the number of pixels, in order to match a desired set of pixel dimensions (for screen use) or to create a smaller file (but this file will

have less detail in it than the original). The **Resample** checkbox controls whether Photoshop will change the number of pixels, or simply change how many pixels to print in a given area.

Amount of space image uses in RAM memory - not very useful. Saved file may be larger or smaller in file size.



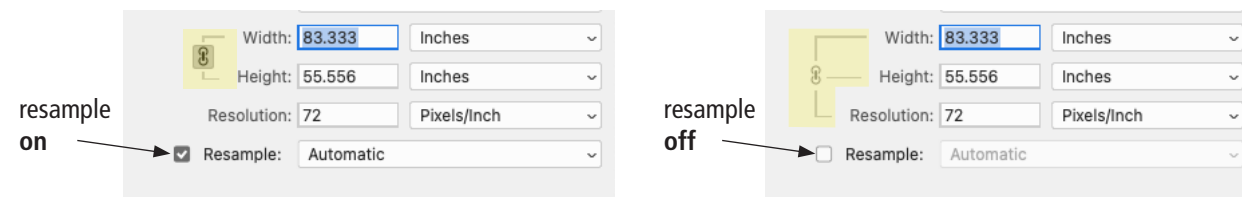
The screenshot shows the Photoshop Image Size dialog box. On the left is a preview of a wood-grain texture. The dialog contains the following fields and controls:

- Image Size:** 68.7M
- Dimensions:** 6000 px x 4000 px
- Fit To:** Original Size
- Width:** 83.333 Inches
- Height:** 55.556 Inches
- Resolution:** 72 Pixels/Inch
- Resample:** Automatic (checkbox is checked)
- Buttons:** Cancel, OK

Annotations with arrows point to the following elements:

- Image Size:** Amount of space image uses in RAM memory - not very useful. Saved file may be larger or smaller in file size.
- Dimensions:** Pixel dimensions - the most important value, and the only one that matters for on-screen (as opposed to print) use.
- Fit To:** Print dimensions - the size the file is set to print at. Meaningless for on-screen use.
- Width:** Print dimensions - the size the file is set to print at. Meaningless for on-screen use.
- Height:** Print dimensions - the size the file is set to print at. Meaningless for on-screen use.
- Resolution:** Print resolution - the resolution in pixels/inch the file will print at. Meaningless for on-screen use.
- Resample:** Resample method - controls how Photoshop how Photo-shop adds or removes pixels. Leave on automatic.
- Resample checkbox:** Resample - check to allow the number of pixels to change Leave unchecked to keep same number of pixels

When resample is **on**, you can adjust the print size and resolution independently. When resample is **off**, print size and resample are linked.



Two side-by-side screenshots of the Image Size dialog box illustrating the 'Resample' checkbox:

- resample on:** The 'Resample' checkbox is checked. The 'Width' field is highlighted in blue. The 'Height' field is also highlighted in blue. The 'Resolution' field is highlighted in blue.
- resample off:** The 'Resample' checkbox is unchecked. The 'Width' field is highlighted in blue. The 'Height' field is also highlighted in blue. The 'Resolution' field is highlighted in blue.