

Resolution of screenshots

As I read in various Internet articles.

The resolution (DPI) of the screenshots is limited by the resolution of the screen or monitor, the standard is:

- old screens = 72 dpi
- Windows = 96 dpi
- Mac retina 114 dpi (In some versions 111 dpi by a bug)

DPI is a label who result in the size that a printer will give at this quality of impression and it is associated with the size of image in pixels (or points) to understand it:

An image with 1000 x 1000 px and 250 dpi will give a print of 4 x 4 inches

That label can be changed but result in a larger or smaller print size.

https://en.wikipedia.org/wiki/Dots_per_inch#DPI_or_PPI_in_digital_image_files

- In my computer (windows), I got images of 96 dpi.
- In a mac virtual machine, I got images of 72 dpi.
- In my Canon Eos camera I got images of 72 dpi and a resolution of 3648 x 5472 px
- I can print those images at 193 x 128 cm (76 x 50.67 inches) at 72 dpi.
- I can print those images at 46.3 x 30.9 cm (18.24 x 12.16 inches) at 300 dpi.

Resolution of the images of the guides

The problem with some images in the documents or the guides is not because of the capture (DPI) or the operating system (Mac, Windows or Linux) but for the treatment of the image (after capture) for the settings of the program used in captures or by user intervention.

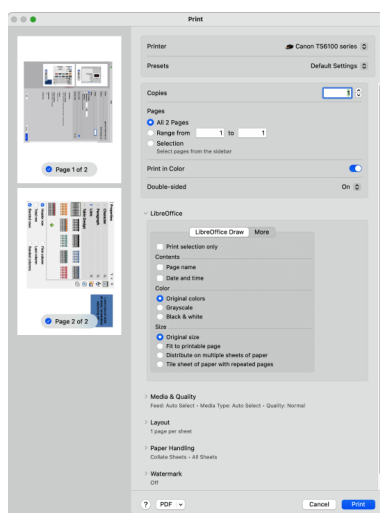


Figure 1: res = 111 dpi
size= 544 x 730 px

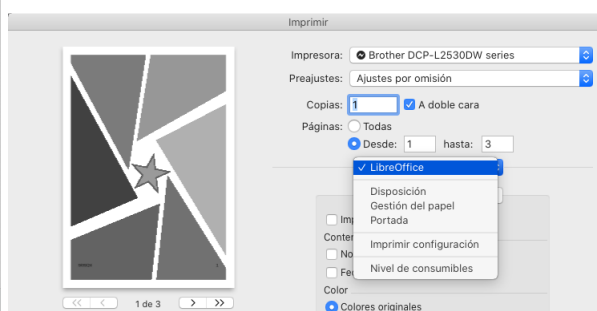


Figure 2: res= 72 dpi
size= 750x378px

The two images are from Chapter 10 of the Draw guide, are taken in Mac (the right of the guide in Spanish with a virtual machine).

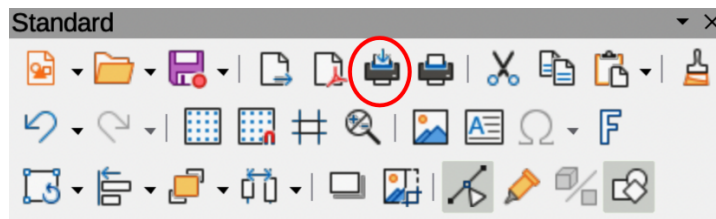


Figure 3: Image of the Draw Guide

DPI = 111

size = 831 x 246 px - on disc 123.84 kb

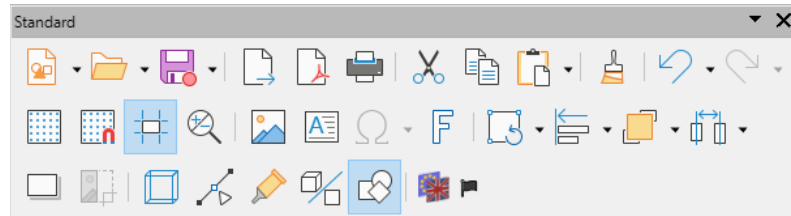


Figure 4: Plain screenshot

dpi = 72

Size = 610 x 166 px - on disc 17.38 kb

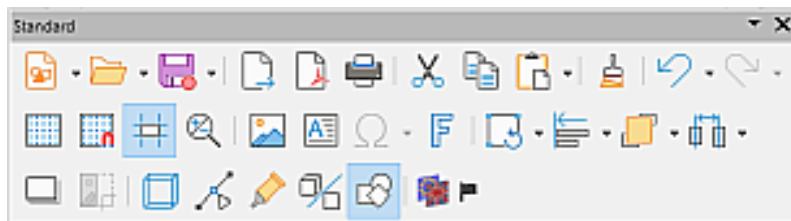


Figure 5: previous image, treated with external program, reducing size (px) and applying "sharpness" filter

dpi= 48

size = 307 x 85 px - on disk 16.33Kb

File > Properties > General > Preferred resolution for images = 300dpi

I have tried in a document with an image in 600 DPI and another in 96 DPI, then tick this check box, and selected 300dpi. After save the document, the images retain their DPI.

May be this configuration have to do with the export of the document or by individually exporting the images? .It is possible that the program of programmers can clarify it.