

File Size Optimization

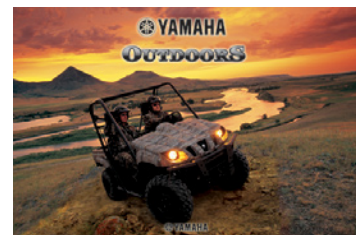
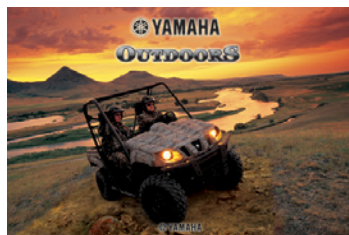
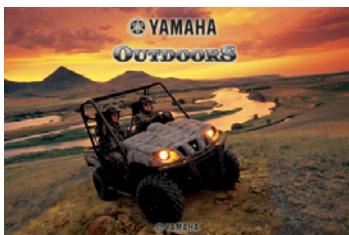
Digital Dept.
Technical Note

In order to keep file sizes manageable, please follow this dpi chart when preparing files to be printed on Super Color Digital's grand format printers. Also when saving your files in Adobe Photoshop, you can select "LZW" lossless compression in "Tiff Option" window.

Total Size	dpi @ 1/1 Scale	dpi @ 1/12 scale	Approx. Size of Flat CMYK Photoshop File
Less than 25 Sq. Feet	72 dpi	864 dpi	71 MB
Less than 50 Sq. Feet	60 dpi	720 dpi	99 MB
Less than 100 Sq. Feet	50 dpi	600 dpi	137 MB
Less than 200 Sq. Feet	45 dpi	540 dpi	222 MB
Less than 400 Sq. Feet	40 dpi	480 dpi	352 MB
Less than 800 Sq. Feet	35 dpi	420 dpi	538 MB
Less than 1600 Sq. Feet	30 dpi	360 dpi	791 MB
Less than 3200 Sq. Feet	25 dpi	300 dpi	1.07 GB
Less than 6400 Sq. Feet	20 dpi	240 dpi	1.37 GB
Less than 12800 Sq. Feet	15 dpi	180 dpi	1.54 GB

Example:

Here is an example of how a 1.8 GB can be optimized to 72 MB without loss of quality for the requested print size. This file was originally 1.8 GB at 187 dpi to be printed 144"x96" (12'x8'). Based on requested size, this banner would be 96 Sq. feet. After changing dpi to 50, size file became 132 MB. Also by saving the file as Tiff with LZW lossless compression, file size became about half in size (72 MB).



Original file *

File format: Tiff
File dimension: 144" x 96"
File dpi: 187 dpi
File size: 1.8 GB

14 times smaller (7% of original file) *

File format: Tiff
File dimension: 144" x 96"
File dpi: 50 dpi
File size: 132 MB

25 times smaller (4% of original file) *

File format: Tiff (w/ LZW)
File dimension: 144" x 96"
File dpi: 50 dpi
File size: 72 MB

* Please note the images will appear low resolution. They have been compressed for web viewing.