

Output Information

The film recorder is a continuous-tone device, thus there is no need for concern about screens or screen angles. **The single factor in determining image quality is the number of pixels in the file.** For slide output 1500-2000 total pixels along the horizontal dimension are recommended (5-10 meg file). Files for 35mm slide output larger than 20 megs are assessed a charge of \$2.50 per meg over 20 megs. For 4x5 output 3000-4000 total pixels along the horizontal dimension are recommended (20-40 meg file). Files for 4x5 output larger than 60 megs are assessed a charge of \$2.50 per meg over 60 megs.

There is a simple formula to determine the total number of pixels in your file:

Horizontal (longest) dimension x resolution = number of pixels for image.

Same day service is not available for 35mm slide orders over 40-50 total slides. Extra output time will be required.

We accept files provided on CD, Zip, and Jaz disks.

Targa Format for Slides

Files for output directly from Photoshop to 35mm or 4x5 film must be saved as **RGB-based .tga** format files. (Files created in Photoshop for import into another application should be saved as RGB .eps or .tif). Please keep file names relatively short and do not use multiple periods or other punctuation or symbols in the name. To ensure the file is recognized properly by the film recorder, add a .tga on the end of the file name (ex: sunset.tga). The period used for .tga should be the only period in the filename.

To save as a targa file the film recorders will recognize, the mode must be set to RGB, and no extra channels or layers can be present in the file; all layers should be merged and the image flattened in order to be able to save as a targa file.

Files saved in other file formats will incur a conversion charge of \$5 per file. Targa files are not required for non-film color output (e.g., color laser prints, dye-sublimation prints, overheads, etc.); any valid Photoshop file is acceptable if **only non-film output** is needed.

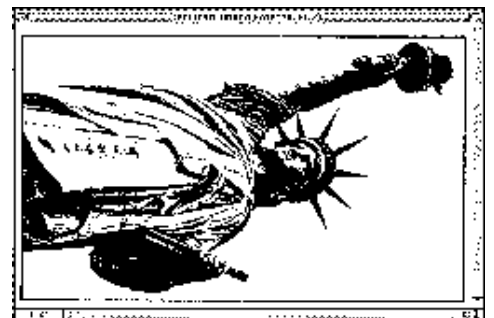
35mm Slide–Page Setup

It is crucial that you use an aspect ratio of 1 by 1.5 when you create your file if you want the slide image area completely filled. The camera will image files set up in non-slide ratios as large as possible and fill in excess area with black. **The file must be set up with a landscape orientation.** The actual dimensions and dpi of the slide in terms of inches and resolution can vary as long as the 1 by 1.5 ratio is maintained (the long dimension should be between 1500 and 2000 total pixels).

Landscape Orientation for Slides

Files must be set up with a landscape orientation to best fill the slide frame. If necessary, rotate your image (as shown) so it fits into the landscape orientation window in Photoshop. Failure to send a landscape image will result in a vertical image within a horizontal frame, leaving blank black space on either side of the image.

A \$5.00 charge per file will apply if we rotate the image for you.



Additional Charges

If your file is saved as an RGB-based targa (.tga) file and is saved in uncompressed format onto one removable media source (i.e., a CD, Zip, Jaz), our base price for imaging Photoshop files includes all files up to 20 megabytes. Files larger than 20 mb are assessed a charge of \$2.50 per megabyte over 20 mb. (Files for 4x5 are allowed up to 60 mb before additional charges are incurred.)

Please compile all images on one disk. Additional charges will apply if you provide multiple removable sources and request that we "hunt and peck" for different images across many disks.

Color Prints & Transparencies—Page Setup

Files for color prints and/or transparencies must be saved as .tga files if slides are also required. If only prints are required, any file format is adequate. It is also necessary for page setup to be set for the appropriate paper size and page orientation (landscape or portrait). **You must inform us of the expected output size on your order form to ensure proper output.**

Color Suggestions

When defining color for slides, utilize the RGB color model for all elements. This will allow a higher degree of fidelity between screen and output.

The color mode for color lasers should be CMYK. RGB is not a dependable color mode choice for color laser output because it is not the color mode the printers are designed to output. While our technicians will attempt to ensure the most acceptable color possible, RGB output is **not** consistent.

Other Items

Duotone/Grayscale/Indexed Color

The only supported mode is RGB. Duotone and grayscale images are not directly supported. You must change the mode to RGB before saving as targa or the file will not image. The duotone or grayscale effect will not be negated.

Color Shifts

IMAGERS provides the highest quality output possible. However, due to the technology employed, color variations are possible with the color laser print process. It is always best to request a color sample test whenever possible.

Image Compression

IMAGERS supports the JPEG compression built into Photoshop. If other compression is used please provide us with the appropriate Photoshop filter to decompress your images. **Note: additional charges of \$5 per file will be incurred if 35mm or 4x5 output is desired from compressed files.**

File Format Conversion Charges

A charge of \$5 per file will be assessed if improperly formatted files are received by *IMAGERS*. Please follow the instructions above to avoid any format conversion charges.

Working With Large Files

Time charges may also be assessed for preparing and working with large files for proper output. These charges will be above and beyond megabyte and format conversion charges.