



## What scan resolution is required for scanning 35mm slides and negatives?

The resolution needed for scanning 35mm slides and negatives depends on how much the original image will be enlarged and how the image will be used.

### Did You Know?

An image to be used in print applications should be 300 ppi (pixels per inch). When an image is enlarged, however, the resulting resolution should be magnified by the increase in size. Although many scanner drivers automatically calculate the scan resolution when an output size is specified, the scanner must be capable of capturing the detail needed. In this instance, a scanner's optical resolution (not maximum or interpolated resolution) is important.

The example below shows how much resolution is required by the scanner to enlarge a 35mm slide for printing:



Epson offers a complete line of stand-alone scanners with resolutions ranging from 3200 dpi to 6400 dpi to achieve a variety of enlargements from 35mm slides. Additionally, the Epson scanning software lets you apply color correction to faded slides and also features a dust removal setting.

### Notable Quotes

“If you’re looking for a scanner that’s capable of producing colossal enlargements from your film images, the Epson Perfection V700 Photo is an excellent choice. Epson’s latest model is the first flatbed scanner we’ve reviewed that offers a maximum optical resolution of 6400 dots per inch, which is a significant advance over the current crop of 4800-dpi scanners. While a scan at 4800-dpi resolution is usually sufficient for producing up to 16-by-20-inch prints, a 6400-dpi scan can deliver a fine-quality, gallery-style 25-by-40-inch print. (*PCWorld*, “Epson Scanner Does Gallery-Size Enlargements”, by Richard Jantz, April 27, 2006)