

1 bit images — Line Art

Image	Image Dimensions				
	1 x 1"	2 x 2.5"	4 x 5"	5 x 7"	8 x 10"
Resolution					
100 ppi	2K	7K	25K	44K	98K
150 ppi	3K	14K	56K	97K	220K
200 ppi	6K	25K	98K	173K	391K
300 ppi	12K	56K	220K	386K	879K
400 ppi	20K	98K	391K	684K	1.53M
600 ppi	45K	220K	879K	1.51M	3.43M
1200 ppi	176K	879K	3.43M	6.01M	13.7M

8 bit images — Grayscale

Image	Image Dimensions				
	1 x 1"	2 x 2.5"	4 x 5"	5 x 7"	8 x 10"
Resolution					
75 ppi	6K	28K	110K	193K	440K
100 ppi	10K	49K	196K	342K	782K
150 ppi	22K	110K	440K	770K	1.72M
200 ppi	40K	196K	782K	1.34M	3.05M
300 ppi	88K	440K	1.72M	3.00M	6.87M
400 ppi	157K	782K	3.05M	5.34M	12.2M

24 bit images — RGB Color

Image	Image Dimensions				
	1 x 1"	2 x 2.5"	4 x 5"	5 x 7"	8 x 10"
Resolution					
75 ppi	17K	83K	330K	577K	1.29M
100 ppi	30K	147K	586K	1.00M	2.29M
150 ppi	66K	330K	1.29M	2.25M	5.15M
200 ppi	118K	586K	2.29M	4.01M	9.16M
300 ppi	264K	1.29M	5.15M	9.01M	20.6M
400 ppi	469K	2.29M	9.16M	16.0M	36.6M

32 bit images — CMYK Color

Image	Image Dimensions				
	1 x 1"	2 x 2.5"	4 x 5"	5 x 7"	8 x 10"
Resolution					
75 ppi	22K	111K	440K	770K	1.72M
100 ppi	40K	196K	782K	1.34M	3.05M
150 ppi	88K	440K	1.72M	3.00M	6.87M
200 ppi	157K	782K	3.05M	5.34M	12.2M
300 ppi	352K	1.72M	6.87M	12.0M	27.5M
400 ppi	625K	3.05M	12.2M	21.4M	48.8M

Table 4-1
File Sizes of

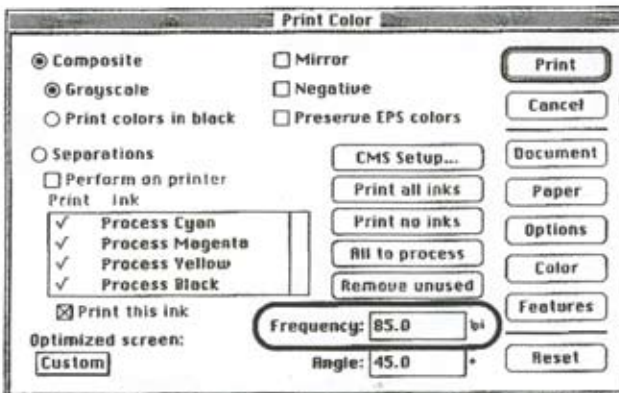
Scanned Images

Use this chart to calculate the file sizes of scanned images. The intersection of the image dimensions and the image resolution will show you the file size for 1-, 8-, 24-, or 32-bit images. If you have an image size not listed, use the value for 1" x 1" and multiply the file size by the number of square inches in your image. For example, if you want to calculate the file size for a grayscale scan of a 4" x 4" image at 300 ppi, multiply 88 KB by 16 (the area in square inches).

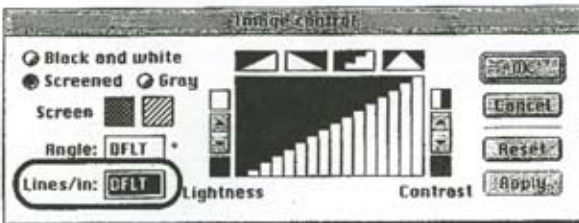
Linescreen and resolution chart

Use the following chart as a guide for the image resolution of grayscale or color images to be reproduced with different processes. This is just a guide! You really should call the print shop and ask them what they want you to use, especially if you are setting an advertisement or other project in a newspaper or magazine where there can be a wide range of linescreens.

Reproduction process	Linescreen	Resolution
Laser printer, copy machine	65 or 85	130 or 170
Newspaper	85 to 120	170 to 240
Quick-print shop, copy shop	100 to 120	200 to 240
Newsprint magazines	100 or 120	200 or 240
Glossy magazines	150	300
Offset printing	150	300
Display books	175	350
Museum-quality art book	200	400



Page layout applications, such as Adobe PageMaker shown here and below, allow you to set the linescreen (frequency) for the output of the entire file if you want to override the printer's default.



In your page layout application, you can usually also set a linescreen default (lines/in) for individual images. These specifications will then override the printer's default or any other application default you might have set.