

COLOSSAL. IMAGE. PRINTING

SCANNING FILE SIZE CROSS REFERENCE

This chart will give you the estimated size of your file in RGB or CMYK saved as uncompressed tiff format. Do not use jpg file format to calculate file size due to its different compression levels.

All files size are in Mb unless otherwise stated. All indicated file size are in 8 bit, 16 bit file size will be double.

size	100DPI		200DPI		300DPI	
	RGB	CMYK	RGB	CMYK	RGB	CMYK
4x6	704KB	938KB	3	4	6	8
5x7	1	1.5	4	5.5	9	12
8x10	2.5	3	9	12	21	28
16x20	9	12.5	37	49	82.5	110
20x24	13.5	18.5	55	73.5	124	165
30x40	14.5	46	137	183	309	412
40x60	69	92	275	366	618	824

For image size in between, it can be calculated by the following equations:

@300dpi print resolution at RGB color space

Length X Height X 0.27 = file size in Mb

@400dpi screen size for offset printing at CMYK color space

Length X Height X 0.64 = file size in Mb