

## MINIMUM GUIDELINES FOR DIGITAL IMAGE CREATION

ORIGINAL MATERIAL	DIGITAL MASTER			SCREEN DISPLAY			THUMBNAIL DISPLAY		
	Pixel array	Resolution & bit depth	file format	Pixel array	Resolution & bit depth	file format	Pixel array	Resolution & bit depth	file format
text document	4000-6000 across the long dimension	8 bit grayscale 24-48 bit color: 400-600 ppi	TIFF	800-3000 across the long dimension	8 bit grayscale; 24-48 bit color: 73-300 ppi	JPG or JP2	100-200 across the long dimension	4 bit grayscale 8 bit color: 72 ppi	GIF
Illustrations, Maps, Manuscripts, Mixed Formats, etc.	4000-6000 across the long dimension	8 bit grayscale; 24-48 bit color: 400-600 ppi	TIFF	800-3000 across the long dimension	8 bit grayscale; 24-48 bit color: 73-300 ppi	JPG or JP2	100-200 across the long dimension	4 bit grayscale 8 bit color: 72 ppi	GIF
Film, slides & negatives: 35 mm and medium format up to 4x5 in.	4000 across the long dimension	8 bit grayscale; 24-48 bit color: 2800 ppi for 35mm; 800 ppi for 4x5 in. originals	TIFF	800-3000 across the long dimension	8 bit grayscale; 24-48 bit color: 73-300 ppi	JPG or JP2	100-200 across the long dimension	4 bit grayscale 8 bit color: 72 ppi	GIF
Photographic Materials: 8X10 in. or smaller	4000 across the long dimension	8 bit grayscale; 24-48 bit color: from 400 ppi for 8x10 in. ranging down to 570 ppi for 5x7 in., 800 ppi for 4x5 in. or 3 ½ x5 in. originals	TIFF	800-3000 across the long dimension	8 bit grayscale; 24-48 bit color: 73-300 ppi	JPG or JP2	100-200 across the long dimension	4 bit grayscale 8 bit color: 72 ppi	GIF
Photographic Materials: Equal to or larger than 8x10 in. up to 11x14 in.	6000 across the long dimension	8 bit grayscale; 24-48 bit color: from 600 ppi for 8x10 in. ranging down to 430 ppi for 11x14in. originals	TIFF	800-3000 across the long dimension	8 bit grayscale; 24-48 bit color: 73-300 ppi	JPG or JP2	100-200 across the long dimension	4 bit grayscale 8 bit color: 72 ppi	GIF

\*Guidelines are based on the CDL Guidelines for Digital Images: <http://www.cdlib.org/inside/diglib/guidelines/bpgimages/>, June 7, 2005