

Artwork Digital Capture

Technical Data Sheet

Robin's digital capture system is designed to satisfy the demanding needs of artists, prepress, archivists, and businesses needing high resolution digital files from artwork and other originals. Our capture system is equipped with a high-resolution camera capable of producing a 1.2 GB file in 8-bit, or a 2.4 GB file in 16 bit. Files are captured so that they have as much information as possible. Please note that these files will have to be adjusted somewhat based on the media they are printed on.

Originals

Originals can be any type of flat art or photograph up to 60"x84". Some types of originals are more difficult to digitize than others and may require a special set up.

Paper color – When capturing originals on colored or tinted paper we will balance to the white on a gray scale. This will make the highlights on the piece close in color to the paper. This white point may have to be adjusted depending on the paper it is printed on.

Highly reflective or gloss surfaces – This can often cause unwanted reflections which are difficult to overcome. This can cause the color and density to vary depending on how the light hits the surface. Gold and silver foils are especially problematic. It is best to have artwork digitized before it is varnished. Reflections can be reduced by light polarization if required.

If your original requires special handling, please check with one of our representatives to discuss the best method and costs involved. So that we can provide you with the most cost-effective methods please be sure to let us know how you plan to use the digital file.

File Type & Sizes

Images are saved as ProPhoto RGB 8-bit TIFF unless otherwise requested.

Available color spaces:

- ProPhoto RGB (default)
- Adobe RGB (1998)
- sRGB

Available file formats:

- TIFF 8-bit (default)

- Tiff 16-bit
- JPEG
- PDF
- Multi-resolution file that includes:
 1. High resolution TIFF file for reproduction
 2. Medium resolution J-Peg file for desktop publishing. The long dimension is saved at 10" – 300 PPI
 3. Low resolution J-Peg file for email and web use. The long dimension is saved at 8" – 72 PPI

Color Reproduction

Due to numerous types of materials, dyes, and lighting conditions, it is impossible to exactly match colors. We do our best to give you the closest reproduction possible, but many colors will not respond as we would like them to, and if we optimize one color, it may compromise another. If you tell us what is especially important to you, we will pay special attention to those colors.

For more information on color reproduction, ask for a copy of "Why a Color May Not Reproduce Correctly"

Things We Need to Know

- What will this be used for?
- How large will it be reproduced?
- Do you want the file saved as TIFF 8-bit, TIFF 16-bit, or J-Peg?
- Our normal working color space is ProPhoto RGB. Please specify if you want it saved as Adobe RGB (1998) or sRGB instead.
- Do you want a gray scale and or color bars in the file to aid in color reproduction?
- Are there some elements that are more important than others?

Base Level Digital Captures

Your original is captured at 300 PPI or higher for sizes less than 30x40. For larger sizes the PPI is somewhat less. (See the chart on the pricing grid for a better estimate of PPI.). Our capture camera uses a four-exposure system which provides a much sharper image than normal digital camera images. The white and black points are set, and the color is adjusted to

better match the original. A color reference print is provided to show how the file will reproduce. This is not intended to be an exact match. (When printed using different systems or media the color may not match this print. Each media has unique characteristics)

Premium Digital Capture

These captures are done at a higher resolution than Base Level Digital Captures (see chart) and can provide 300 PPI or higher for images up to 54" x72". Please be aware that file sizes can be over 1 GB and might be difficult to open on lower end computers. The white and black points are set, and the color is adjusted to better match the original. A color reference print is provided to show how the file will reproduce This is not intended to be an exact match. (When printed using different systems or media the color may not match this print. Each media has unique characteristics)

Economy Captures

These are less expensive captures for use where color is not extremely critical and extremely high-resolution files are not needed. This system uses a single capture like most digital cameras and is not quite as sharp as the 4 pass captures on our standard and premium captures. It does not include

Prices & Turnaround

Normal turnaround is 48 hours. Large or unusual jobs may require additional time.

Prices are based on the size of the original and do not include any special setup, or retouching, involved.

Base Level Capture								
Original Size	8x10	12x18	20x24	24x32	30x40	48x60*	54x72	60x80
PPI*	400 PPI	400 PPI	300 PPI	300 PPI	300 PPI	190 PPI	150 PPI	140 PPI
File Size**	35 MB	95 MB	120 MB	195 MB	290 MB	290 MB	290 MB	290 MB
Price	\$25.00	\$30.00	\$37.50	\$45.00	\$50.00	\$75.00	\$95.00	\$120.00

Premium Capture								
Original Size	8x10	12x18	20x24	24x32	30x40	48x60*	54x72	60x80
PPI*	600 PPI	600 PPI	600 PPI	600 PPI	550 PPI	360 PPI	300 PPI	280 PPI
File Size**	80 MB	220 MB	490 MB	790 MB	1.1 GB	1.1 GB	1.1 GB	1.1 GB
Price	\$35.00	\$40.00	\$50.00	\$60.00	\$65.00	\$95.00	\$120.00	\$150.00

Economy Capture					
Original Size	8x10	12x18	20x24	24x32	30x40
PPI*	400 PPI	300 PPI	300 PPI	300 PPI	300 PPI
File Size**	36 MB	50 MB	120 MB	195 MB	290 MB
Price	\$15.00	\$15.00	\$20.00	\$25.00	\$30.00

* PPI is approximate

** File size is approximate and will vary with crop. It is based on 8-bit. 16-bit files are twice as large

- Retouching and local color corrections – \$85.00 per hour.
- \$6.00 for 4 GB Flash Drive
- High Res TIFF and Medium Res J-Peg - \$4.00 additional
- Multi resolution files – \$7.00 additional
- 16-TIFF - \$6.00 additional
- Shoot & Run – scheduled – \$15.00
- Shoot & Run – unscheduled – \$25.00
- Shoot & Run – supervised – \$30.00

white/black point adjustments, color corrections, or color reference prints.

Multiple Exposure Captures

For situations requiring extremely high-resolution files, such as producing wall size murals, we can make multiple exposure Captures. Using this technique, we can generate files up to 8 GB. Before laying out your art contact us so can advise you on the best methods.

Shoot & Run

When jobs must be done quickly, or you don't want the original out of your sight, we offer our Shoot and Run service. We will shoot the job while you wait.

This service is subject to available capacity. If you call ahead and schedule a time, we can have a technician available for you. Please note that there is a \$15.00 charge for late arrival or missed appointments.

Fine Art Reproductions

In addition to high quality digital capture, Robin offers a line of printing services designed for reproducing artwork onto canvas, watercolor paper, metal, and more.