

Digital Photographic Printing

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Bella Photo Art



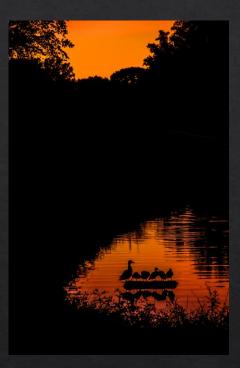


Why am I making a print?

- ♦ To put into an album
- ♦ To put on a desk or dresser
- ♦ To give as a gift
- ♦ To hang on my wall
- ♦ To sell
- ♦ For a contest or show
- ♦ To use in a portfolio
- ♦ To use as documentation for insurance files

Selecting an image for printing

- Does it make me think
- Do I feel emotion when looking at it
- Does it tell a story
- ♦ Will I still want to look at it 10 years from now



Preparing an image for printing

- ♦ Make sure that your monitor is properly calibrated!!!
- ♦ Remember that the image is not ready when you push the button on the camera
- ♦ Shoot in RAW for best image quality
- Stop using cookie cutter sizes
- Crop first and then size your image to the size you want to print before editing (if it is worth printing it is worth doing right)
- ♦6. Spend as much time editing your image as you need to get the look you are after

Image Management Software

- Photoshop CC
- Photoshop Lightroom
- Photoshop Elements
- ♦ Picasa
- ♦ Photo Director 7
- ♦ Cam2pc
- ♦ Fastone Image Viewer

Selecting a printer

- 1. Ink jet (Canon, Epson, HP, Lexmark)
- 2. Ink type (Dye or Pigment)
- 3. Dye inks are water based, less expensive but more prone to fading
- 4. Pigment inks far more lightfast than dyes and are an archival product. They are more expensive but give you the best quality for displaying images over a long period of years
- 5. Select a printer that uses individual ink tanks for each color.
- 6. The more colors the printer uses the better image color you will get







Print Media

- ♦ Make sure your media is compatible to the ink type you are using
- Paper media may not be your only choice
- ♦ Determine size, weight (thickness) and finish
- You do not need to stick with the paper made by the printer manufacturer
- Sinishes may include but are not limited to Canvas, Pearl, Satin, Glossy, Semi Gloss, Semi Mat, Mat and Metal
- For longer display life choose a paper that is archival like a rag paper or one with a neutral PH value

Paper types

- ♦ Baryta paper, a clay like chemical compound, barium sulfate is applied to the paper to make it whiter (very good for B&W images)
- ♦ Watercolor paper, a mat paper with a texture, gives images a soft feel. Works well for portraits.
- Calendared papers are paper that had passed between two heavy metal rollers to produce a very smooth surface-far smoother than non calendared papers
- Resin coated, in ink jet papers it is done to increase the glossiness of the paper
- Other types include rice paper, photo rag, bamboo, German etching, torchon and others
- Manufactures of paper include but are not limited to Innova, Hahnemule,
 Canon, Canson, Marrut, Epson, Ilford, Inkpress, Moab

Color Management

- ♦ Color and calibration
- Digital color-Bits and Bytes
- ♦ Bit, the smallest unit of information used by a computer or digital camera
- ♦ Byte is equal to 8 bits
- ♦ 8 bits will see 256 levels of brightness
- ♦ Color images created by digital cameras are made up of three colors, red, green and blue.
- ♦ 8 bits sees 256 shades of each color which will be 16.7 million different color possibilities (256 shades of redX256 shades of greenX256 shades of blue)
- ♦ 16 bits sees 65,536 levels of each color, a much wider range

Color Space

- * sRGB Color, (supports 8 bit color) proposed by HP and Microsoft to approximate the gamut of most computer displays at the time
- ♦ Adobe RGB, sometimes listed as Adobe RGB 1998, supports 16 bit color and reproduces more of the visible colors. Also produces better luminance and contrast values
- Most DSLR cameras offer both which is selectable in their menus

ICC Profiles

- ♦ In color management an ICC profile is a set of data that characterizes how a color input or output devise sees color
- This applies to cameras, scanners, monitors, printers, projectors and print media
- ♦ Every devise that captures or displays images can be profiled and an ICC profile produced for it
- ♦ Some manufactures supply their ICC profiles
- Very important for printing consistency and accuracy





Profile calibration devises













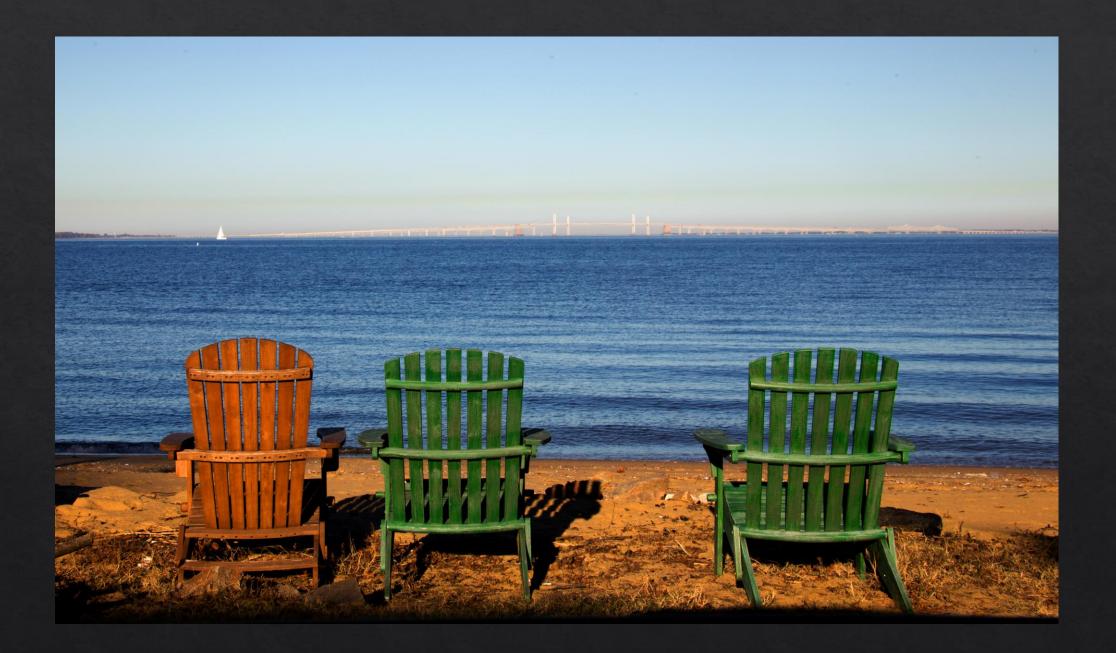
WHITE HOUSE













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