



New hardware! After years of 35 mm and digitized images from negatives, I have bought a digital camera system. The body is a Canon EOS 5D, which incorporates many features and components. Perhaps the most important component (for me) is the full-frame, 12.8-megapixel CMOS sensor.

In other words, the image size in this camera is the same as the size of the image in a 35-mm camera: 24 mm by 36 mm. There is no conversion factor when using a lens designed for a 35-mm camera, and the size of the image and the number of pixels assure that details will appear distinct in the photographs. This is a true, single-lens-reflex camera; what you see in the viewfinder is the image that's recorded. A 2.5-inch LCD screen on the back can be used to review shots instantly.

Image storage formats are RAW and JPEG. The RAW file size per image is approximately 13 megabytes. The JPEG file size per image is approximately 4.6 megabytes. Shutter speeds range from 30 seconds to 1/8000<sup>th</sup> of a second, with flash synchronization to 1/200<sup>th</sup> of a second. Auto focusing employs a nine-plus-six-point system, and manual focusing is available. There are other advanced features.

Having been a Minolta manual focus user for years, I have had to buy new lenses for this body. I have a 28 mm f/1.8 lens for taking pictures of cars and other vehicles and a 50 mm f/1.4 lens for accident-site photographs. I have a 580EX Speedlite flash, with a guide number of 190, for fill-in flash and as needed in dim light. I also purchased a 65 mm macro lens, good only for close-up photography, which can fill an

an entire frame with a grain of rice. To enable good close-up pictures, I also purchased a Canon ring flash. That combination of lenses and flashes should allow me to take excellent field photographs under a virtually unlimited set of circumstances. I plan to continue to provide clients with a CD or DVD (depending on the number of photographs) with all photos I have taken on that job in both RAW and JPEG format, which provides documentation that the digital images have not been altered or corrupted.



Another new piece of hardware I acquired this year is an Epson Stylus Photo R1800 wide inkjet printer. This printer uses dye-based inks for excellent water resistance and fade-resistant life. The resolution is excellent, and it incorporates eight different cartridges to provide an extensive color-matching capability. One of the most useful aspects of this printer to me, however, is its ability to print to an 11 x 17 sheet of