

# DIGITAL PHOTOGRAPHY

## *Inside Out*

SELECTED TIPS - 59 PAGES!

Digital Photography Inside Out!



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## **Digital Photography**

The constant and new advancements that are being found in digital photography have made it possible for your special moments to be captured with far better accuracy and detail than ever before. The new and improved photo resolution and shutter speed, help to make it easier for both professional and novice picture takers take excellent pictures. When these features don't help photos be materialized, advanced editing options that come with digital photography these days lets your pictures do full justice to the moments they capture.

Any photographer that is worth his salt will tell you that when it comes to taking good photos, timing is everything. There is a very small window of opportunity to capture a truly great shot, and whether you're after that sunset or trying to capture that all important race's winner, your fingers must have precision timing and an intuitive sense of when to snap. It's tougher than it looks, and it's why photography is really considered an art form.

Most of us only come close to getting the ideal shot and never quite realizing it in the end. More often than not, our pictures have most of the elements, but they also have a tendency to fall short in a few key areas. Perhaps you frame your subject well, but the lighting is just a little bit off. Or perhaps the lighting is good but you forgot to include a flash or to use red-eye reduction settings. This is where modern digital photography becomes a necessary component in getting the perfect look for your photo.

Within minutes, just about any picture can be edited to reach its full potential when it is created with a digital camera. Automatic color enhancement, red-eye reduction, and zoom and crop features that go along with taking digital photos are just a few of the many awesome features that digital photos have to offer. With these tools in easy reach, taking beautiful pictures becomes easier than ever.

Digital photography could be accomplished without a good digital camera as well as photo software. Your camera's ability is only the beginning. It is your vessel for taking the perfect picture, but from here it is up to your software programs to help you to truly make the most out of your pictures. This is where the magic happens. By magic, I mean that you can use your picture software to change your images and do whatever you want to.

## **Digital Photography Inside Out!**

If you really want to be able to take excellent digital photographs, you can certainly find everything that you need including the camera and the software online or at your local retailers. Digital cameras are so popular these days you can find them just about anywhere. You just want to find a camera that will do what you want it to. You want a camera that offers great pictures as well as easy docking options for downloading to your printer or computer. You can edit your pictures as you like with programs like Kodak Picture, and Corel photo software.

## Digital Cameras

If you have ever wondered just what a digital camera does; how expensive it is; all of the features it has, or even how it got started all together, this is where you will get the information that you need about digital cameras. Digital cameras are the main component that you will need in order for you to be able to take digital photography to the next level. A good camera will certainly take all of the pain away from trying to capture the best picture possible.

Digital cameras basically look like your average 35mm cameras but they also look a bit like small video camcorders do. Instead of using film like the 35 mm cameras, they use a tiny light sensitive chip to capture an image. Because of this, these cameras can store from forty to eighty images inside its on-board memory. After shooting is finished, you attach the camera to a computer by way of a serial cable, and the imagery is copied right onto your hard drive.

As soon as technology becomes leaner and cheaper, digital cameras are gaining vast popularity among both the corporate sector and recreational users. Thanks to some of the brands and models that are featured today, the quality and reliability of digital photography continues to change the way we record a lifetime of memories. Though the images rendered lack a bit of the crispness of silver halide photographs (just as Polaroids seemed to flatten images out when they first came on the scene), the difference is rarely seen when it is placed on a computer screen, which is the great benefit of digital photography.

Digital cameras owe their existence to the NASA space program. The first interplanetary missions to Mars and the outer planets such as the *Viking Orbiter* and *Voyager* made use of variations on old television camera vacuum tubes known as vidicons. In 1969, a new development in image capture called Charge Coupled Device (CCD) technology caught the eye of NASA techs who immediately set about refining the size of the CCD pixel arrays. Hence, the digital camera got its beginning.

When you are ready to buy your digital camera, you need to take the price into consideration, but it is more important to think about the feature of the camera that you buy. It is the features that will help you to make the most of your pictures. You will not need a feature filled camera if you are only using it for recreational purposes. However if you plan to do a lot with your photos,

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you will want a camera that offers the right features for you. You can find a camera anywhere but you can't get some great deals online.

## **Digital Imaging**

Digital imaging has come a long way since those days when clunky digital cameras were those that were left in charge of the process a decade ago. The days are gone when you had to use the heavy, metal cameras that needed to be dragged from one event to the next. These days, digital cameras are smaller, lighter, and more compact than ever before. In fact, many of these tiny digital wonders can fit inside of your back pocket or purse.

Just so that you know, the huge selection of digital imaging equipment is both comforting and overwhelming when you have to begin choosing. There is little to no doubt that it makes it easy to ensure a good buy on a camera, but it also makes it difficult to choose which pieces are best for you and what your skill level is along with your needs. However, with just a bit of basic research done beforehand, it should be easy for you to evaluate the major contenders and to make an informed decision before buying.

### **Choosing Your Digital Imaging Equipment**

When you are deciding on a digital camera to purchase, there are a few key considerations that you may want to take into account first. The first decision is in regards to your overall camera needs. You have to think of how often you will be using the camera and where you will be taking the majority of your pictures. Also, you need to think about how discriminating you are when it comes to things like picture composition and resolution.

After you've established your basic picture taking needs, you can turn to price and size considerations next, since you know that these will severely limit your options a bit it will be worth it. Many online retailers offer services that are geared toward helping their customers balance camera needs with camera costs properly. Finally, when you have narrowed the pool down to only a few key choices, you will want to think about finer details such as mega pixels and other camera features.

There are so many features that are out there that you can definitely find the perfect camera. Some come fully loaded with modern technology whereas others come with specific features. All you really need to do is assess your needs and desires, and if need be, get the help of a professional to choose the perfect bit of equipment for your digital imaging. It's that easy. My

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favorite place to find good equipment is Radio Shack or the Future Shop. Best Buy is pretty good when it comes to prices as well as Staples. You can search online, but at least with the retailers, you get professional assistance and a better return option if the equipment isn't quite up to par.

## The Basics Of Digital Imaging

In order for you to be able to get the most from your camera, it helps to know a few digital imaging basics. You don't need to be a pro or to enroll in photography classes to get yourself started. With just a bit of basic background information, it is easy to improve the quality of your work a great deal. This process starts by choosing good equipment. Imaging isn't very difficult once you get the hang of it. It's mostly in understanding the terms that are often used and then from there it's all gravy.

### **Learning About the Digital Method**

When it comes to the many things that you have to consider, such as: the basic format of a digital photograph which is probably your most important aspect of it. How it works is that each image your camera captures is made up of tiny bits and pieces that are compressed together. Each image creates a bit-mapped graphic that is made up of pixels. If you are not clear on exactly what a pixel is you are not alone. The term "pixel" is nothing more than industry jargon for picture element, and, in a specific graphic, there are many, many square picture elements or pixels that come together to form the image as a whole.

Pixels are important in digital imaging because they are related directly to the quality of the group of images that they produce. Specifically, pixel size and depth will determine the space and color resolution respectively. Because of this, if you opt for a camera that make the most out of pixel performance you can usually improve the quality of the images you capture from the very beginning.

Professionals tend to have a more objective eye in this arena, which is what makes them more reliant on digital cameras with very high pixel counts. However, the average person can get by with much less. Thankfully, with growing market competition, there are a huge variety of digital cameras to consider in every price and feature range.

The cameras and software that you can get can be found anywhere on earth....literally. you can search online for good deals, but I would suggest that you go in store for your purchases and

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just use the internet to decide which cameras and software that you will use. My favorite place to find good equipment is Radio Shack or the Future Shop. Best Buy is pretty good when it comes to prices as well as Staples. You can search online, but at least with the retailers, you get professional assistance and a better return option if the equipment isn't quite up to what you would expect.

## Digital Imaging Software

Digital imaging software is a major aspect of digital photography. Without it, you just couldn't create or edit your digital photographs properly. This software has also evolved considerably in recent years. For example, most of the software is far more user friendly than its earlier versions, and this software is easy to install and operate. What then happens is that it has never been easier to create outstanding, high quality prints especially if you are a newbie.

### **The Technology of Digital Imaging Software**

It used to be that digital imaging software was quite limited as to what it could actually do. You could upload prints from your camera to your computer and make a few minor adjustments and that seemed to be all. If you wanted to make dramatic changes like the pros do, however, you were out of luck. You were pretty much stuck with your original print as it was, flaws, red eye and all. Thankfully, those days are gone and new technology has opened the doors to a whole new world of opportunity when it comes to editing your pictures.

These days, there's nothing you can't do with good software and a decent camera. There are, of course, all of the basic features you might expect, including red eye reduction and zoom and crop features. However, that's really just the beginning of what digital software can do. Many programs offer automatic color correction and light enhancement to help you to make up for times when the flash didn't quite get the job done. Also, with new customization options, it is possible to imagine and create just about any edit you can imagine.

With all of this there is also the modern state-of-the-art editing options, most digital imaging software can be used to help you file, store, and organize your photos in original ways. These are handy, timesaving things that make it easy to save and share your favorite pictures with family and friends. If you're not using digital software, you should really take a moment to consider a few of the many ways that it might improve your photography experience.

If you are not sure about what type of software that you should be buying, you may want to chat with some friends who do or a find a good professional. They can help you realize exactly what software you need to do the job that you want it to. Some software will even send your pictures over email if you want it to. Take some time and search for your software before you buy and if

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you can get a review of it. You can find great reviews at [www.cnet.com/reviews](http://www.cnet.com/reviews) on all of your software needs.

## Tips for Taking Great Digital Photos

Digital photography is a new phase of technology that allows picture takers to experience instant gratification. When you do it properly, you can instantly get and edit your pictures to be as cool and interesting as you saw it in your mind when you were taking the pictures. Here are the steps that you can take to make the most out of all of your pictures.

**Step One** - If you have any experience with traditional 35mm photography, you will discover that there are some obvious and immediate differences when you start using your brand new digital camera. There are a few things to look out for and features that you will want to enjoy. What does this mean? Choose the right camera.

**Digital Techniques:** There are some professional and serious amateur photographers who will cringe at the thought of the low resolution photos that you get with a computer, because they feel that it ignores the actual art form that is called traditional photography. Don't get confused though because digital photography is here, it's big, and it's the way things are going to be from now on. Personally, I believe that traditional film photography will be a thing of the past within ten years other than those few die-hard fans of it who will likely refuse to give it up.

There are a lot of questions from the average people about what to look for when choosing a digital camera. For them I will guide you through flash and red eye filtering basics, the options that you will need to consider for transfer of digital data, and differences in zoom lenses.

**Quick Fix:** first of all, you will need to get rid of dust and specks, balance all of the colors, create a matte or mask, and then merge images. There's a lot you can do with modern photographic editors that we have these days. Here's a few tips that will help you make your picture perfect.

**Creating Real time photos:** Putting your photography into motion in 360° panorama has never been easier than it is right now. You can do a lot of things like picking a spot, to setting your camera for multiple frames, then stitching your shots together in movie format. Doing this will let you give your personal web site an interactive look and feel with this cool tool.

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**3Digital Photo Storage:** You may not think much of it when you're first starting out, but over a certain period of time, storing digital photographs on your computer can become a hard disk resource constraint. You also want to protect the readability of your electronic photo album.

## Digital Scanning Basics

Digital scanning is a new and very innovative extension of the technology that has provided us with first-rate digital cameras and imaging equipment for the past 10 years. These days, it is possible to scan just about any hard-copy document and to translate it into a digital format in only seconds. This allows each of us to accomplish easy editing, preservation, and dissemination of all of our important documents. In fact, a wide range of uses and a plethora of resources make it well worth considering the use of a digital scanner in your home or office.

### **The Many Uses of Digital Scanning**

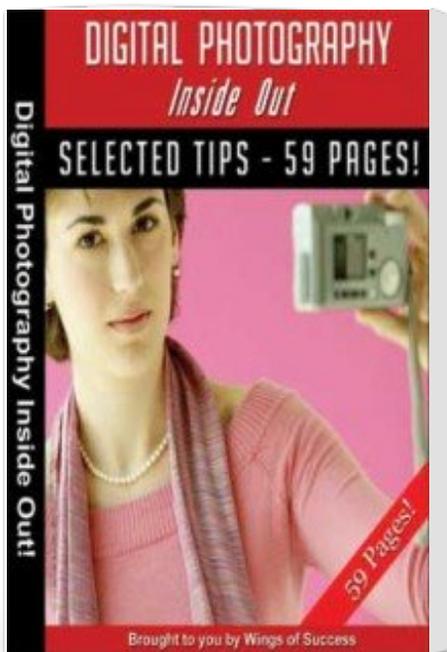
When most people think of digital scanning, they think of the average services that allow a hard-copy photograph to be scanned into digital format and posted in emails. This is especially helpful with old photos that may no longer have the negatives within easy reach. These photos can be stored digitally and can even be restored with modern editing and imaging software.

However, this is not the only use for digital scanning. Many colleges and school settings rely on scanning to upload key course materials to the Web page for them. Not to mention that with the proper copyright approval, selected course readings may be scanned and uploaded with the greatest of ease. This allows for easy access by students and for cheaper departmental material costs. The final result is that digital scanning is a widespread practice on most college campuses that we see today.

The possibilities truly are endless with digital scanning, making it well worth considering the purchase of a digital scanner. Prices for these have fallen considerably in recent years, as well which places these handy devices within reach of professionals and the rest of us alike. A quick look online or in the Sunday paper is likely to find you more than a few great deals.

Digital scanning just has become one of my favorite tools at my computer. If you are like me, chances are a good all-in-one device is going to save you much time and space. These devices do everything from scanning photos to sending faxes, printing and even act as a photocopier. The average home office would not be complete without one.

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