A Short Report About

Digital Photography Mastery

Learn How to Take Photo Like The Professional!

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The Science of Digital Photography

Most digital photographers already understand digital cams and its recorded images, as well as how they work respectively. Photographers already know that cams and eyes work hand in hand with photography, since the two is what sees the color. Photographers are also aware of pixels matching paper, resolution, image sizes verses resolution, shutter speed, f-stops, exposure, and bit debts.

Many people have attempted to become photographers believing all they needed to do was snap a picture and hoped it come out perfect. The fact is you need a surplus of knowledge in many areas of digital photography to get your pictures noticed. Like an artist, you will need an eye for color, contrast, and scenery itself, along with an eye for matching those pictures to please more than yourself.

Traditional cams scientifically worked on images, which permitted light to go through the lenses and onto films. The films were sugar coated so to speak, i.e. they were made up of chemicals that were sensitive to light and darkness. This is the term chemical reaction coming into view, since where the film landed is when the chemicals would react. This process records the images we see once the shot is finished. Still there is more to the process; however, digital images differ slightly than traditional photo processes. Digital images are created less the film, i.e. through a array of imaging otherwise known as a chip.

Two of the well-known chips include the Complimentary Metal-Oxide Semiconductor otherwise known as CMOS and the Charge-Coupled Device otherwise known as CCD. Photographers are familiar with these chips and understand how they work most times, however few will argue that once chip is better than the other. However, the cameras prove them wrong, since both chips overall deliver the same photos.

The chips are obvious after a picture is taken, since you can view the photos on a memory chip, floppy drive, or the camera itself. Now, you are at the process where

transferring takes place. To view your pictures, edit them, or what have you, you will need to transfer the data onto your computer's hard drive.

NOTE: The CMOS and CCD is essential only when you are choosing a camera to provide photos for your career or business.

Digital cameras are unique in comparison to traditional cameras, since like the eyes of human sees light, so does these cameras. This is when the eye for photography comes into focus. Most photographers have a keen eye for art and views it differently than those not in the photography business views it. For example, if a person outside of photography was to see a nude picture they would probably think on the lines of pornography, however photography will see this picture as a work of art. Its true intentions:

The cameras today work like the receptors in your brain. The cameras combine three colors to achieve a light. In other words, if the camera combines red, green and blue to achieve the color white. The camera must be situated with the colors angling at a particular area of the scene to come up with this color.

Respectively, if the colors are out of the cameras reach you will see the color black in your photos. To get a multi-colored picture you will need to have either low or high intensity focus. This is known as the brightness values. The color channels are what photographers refer as the value of light. Now we are at the point where the camera is recording all the colors and combing them into a full multi-color image. Go figure! A camera today is like the human brain, i.e. it functions like our receptors.

Brief Roll Outs of Digital Photography

At what time black and white pictures were discovered, a man mixed up a few ingredients, which composed boxes, light, chemicals and few other ingredients, which set him off to the running in digital photography. The photos at this time were produced in a darkroom, where safelights, easels, chemicals, thongs, timers, enlargers, measure cylinders, paper trays, magnifiers, and the like rested on a small desk. This brought forth the light in film, since others followed Talbot's findings by creating their own designs. It wasn't until a hundred and fifty years later that digital photos came into view however. Photography started out in the 1800s and now we are in a picture rolling, easy movement direction that everyone wants to get in on.

At present, you don't have to wait at the photo counters to see what your pictures will look like, nor do you have to hope that the pictures come out to your likings. In order to create digital photos of high quality these days, you merely need a working camera, computer, scanner, and software tools to make it happen. If you have scenes in a picture you do not want in the caption, you can merely crop, cut, and redesign the picture with a quality editing software.

Some of the software programs that are used in digital photography is Adobe Photo. This program enables you to perform many actions. If you want to dress up your photos, you merely select the options in the programs menu of choice, and there you can do whatever you wish to the images. You can now send all your stored photos to families and friends via Internet through e-mails. What a remarkable change...

Editing programs today can work miracles with images. Adobe Photoshop is one of the most valuable tools that a photographer will ever use. The program has some of the most sophisticated tools on the market. On this program software, you can create images. For example, you can combine two files or images and come up with one creation. Makes you wonder why you need a camera or other subjects that compose photography. Yet, this is part of the photography. Combining two files, you can take

each photo and pull out parts of the scene that you want in a single picture. If you want a person in a background of another picture, you can do this easily. Adobe is also used to design manuals, graphics, commercials, book covers, and more.

Makes you wonder what you need anything other than a computer and software, but the fact is you can make a camera come up with a quality pictures where editing is minimal or not even required.

Just think, black and white. Lucy O' Ball in action, and now we are looking at pictures in color to galore. The downside is now you can make images that appear, as they are not originally taken. In other words, if I took a snap of a woman sitting in front of a desk, and at the table beside her is loads of beer bottles and this woman is drunk. I could use editing programs that offer sophisticated tools and make this woman seem naturally happy, by removing the beer bottles, red-eyes, and conjunction the picture to make it appear totally natural. What more could you ask for?

With a camera however, I cannot do this, yet I can come up with a high-quality photo that brings out what is actually going on in the scene. Now you see, photos are like x-rays, while you can see the inside, you don't always see what is really going on.

Night Digital Photography

Many people find delight in the daylight hours, enjoying sunlight, people walking and so on. However, some of us see more attractions during the night hours, and few of us will bring those attractions to attention through digital photography. Some of the best pictures taken where during the night hours, especially at what time the lighting is in check.

Imagine what a large city looks like during daylight hours. You will see an enormous amount of grey buildings mostly, yet other colored buildings may stand out. Now, imagine the same area in the night hours. All these dull grey buildings have turned into a colorful setting. You see the colors purple coming from the sky which is your background setting, loads of building with yellowish lights beaming off the focal point, black scenery is coming from few of the buildings, white specks captures the entire surrounding, green, red, and other colors sprinkle throughout the area. Image that, one dull grey picture turning to a colorful delight.

In comparison imagine what a chapel would look like in daylight hours and then snap a shot during the night hours. You will have what would have been yellow/white in this example turn into brilliant green, reddish/white foreground, yellowish offset, golden overhead and so forth. What a beauty. If you could only see the difference in digital photo, imagine your surprise. This is a photo known as a traffic trail shot.

Now we come to what it takes to become a night photographer. Night photographers require different types of equipment. They also need a different talent that most other photographers have. The concept of night photography is to capture a feeling, or a mood in the scene. The nightlife photography is a special ability to spot the right area and moment. It is more of a challenge, since a unique skill and experience is involved.

Many photographers in nightlife shoots will take pictures of suburban areas, since it seems to have more to offer. Some of the best shots are taken of buildings with

floodlights. Neon signs often give off a great image. If you are shooting scenes of suburban areas, you may want to capture flowing rivers, lakes and the like in the background. Some of the best scenes also occur as the sun is going down. I remember a moment when the sun turned bright orange and darkened slightly. What a neat capture.

You will need as for equipment a tripod, torch, remote release, and proper clothing. The torch can help you to see in completely dark areas. As for camera shots it depends on the mood and surrounding, but many photographers in the nightlife industry will capture scenes in a still moment, by keeping their shutters open, since exposure is one of the prime focus. You will also need a camera that has will flash automatically. You want to take optimum sharp photos, therefore study your aperture stetting, lighting, effects, and when to turn off the flash.

If you are using film, you will need 50 ISO types or a 100 at most. You will also need to learn backdrop talents, since it will deliver a higher quality result. Also, don't forget that editing programs are available if you need to crop, layer, saturate, and so forth. Some of the best programs can work wonders with less than satisfied photos.

Moments give us a lasting moment. At what time you snap a picture you are taking the time to observe something of interest that you want to last forever. Learn more about photography to find the interest of field you may like best.

Photo Shots with Digital Photography Cameras

Digital photography is the process of shooting photos for publication. Whether it is on the web, in picture albums, magazines, movies, or on commercials, this is the process of digital photography. The lists sum up photography altogether to a large degree, since, if you take a picture, you never knows where it will be published. Still, digital photography can do much more.

Some of the photographers in the world are documentaries, architecture, sport, fashion photographers, landscape, web photographers, and so on. It depends on what you need or want to do, but there are different levels for whatever journey you are on to digital photography.

I brought out these points because you need to understand the depth of photography or at most the brief definition if you are considering digital photography for the first time. If you are considering documentary imaging for publish, keep in mind that documentary photographers pulls together a string of photos over a frame of time, thus bringing strong, focused pictures into a scene that combines location, character, meaning and so on in a light explanatory at the final stage. Documentaries are similar to writing a book, only you are using images to bring a story together.

You want to be aware that documentary photographers spend a great deal of time observing life as a whole. Per se, if you are accustom to the world's way of thinking, which includes walking through life without realizing the meaning, or what is actually going on in the world, then documentary is not for you. Furthermore, documentary photographers generally work with a white and black photo.

Sports photographers, depending on the sport will use high-tech equipment, including high-resolution cameras. If you are considering water sports, you will need a waterproof camera, i.e. a camera that will not corrupt at what time water hits it.

Architectural photographers has an easier job than other types of photographers, however they must stay away of building structures and keep keen on the building's changes with the course of a day.

For example, if you are taking a picture of a bridge during the daylight hours, which will capture water in the scene of the picture with a bit of sky light in the background, you should know whether that bridge lights up at night, and what changes will occur during the night scene. Personally, I would prefer a night shot of the bridge, since not only will you capture a bridge, water and sky, you will capture the romance at night while the bridge is lit up.

Fine art is another type of digital photography to consider. Fine arts often capture an action through a picture. Most photographers in fine arts divisions have a style of their own, or else a style they cultivated from other photographers. Fine arts photography requires detail in creativity and art. For example, if you are shooting a picture of a naked female while she is lying on a wooden floor, and the female has a tattoo, which may be the focal point, you are not snapping pornography; rather you are seeing a creative making. For example, you could be lying out in the picture how the human body is formed.

Action photography is one of the most difficult forms of digital imaging. Action means that the frame is in motion while you are snapping a shot. This takes skill to maneuver, since a horse can run speeds faster than a camera can capture most times. The trick is maneuvering the camera to your fitting in an effort to capture the scene.

Specialist Digital Photography Lens

Specialist in digital photography utilizes special lenses to reach a satisfied target. While most people believe that digital photography is the subject, but the truth is digital photography reaches beyond the definition of digital imaging. If you intend to specialize in photography, then you will need to understand the lenses and how they work. You will also need to understand resolution, pixel, computers, editing, size and more.

The marketplace has a variety of lenses to select from, and all these lenses have different functions and prices. The Macro, Perspective-Control, Mirror, and Fish-eye lenses are to name a few offered today. You can visit the Internet and probably find a wide range of digital photography lenses that will give you a wider selection to choose from, while comparing cost, details, description, and so forth.

Fish-Eye Lens

Starting with the Fish-Eye Lens, we can consider that this particular model has a 180-degree view lens of the area considered. You can get the fish-eye either in the full-frame version or the circular model. Generally, the lens is 8mm if you are purchasing the circular fish-eye, however the full-frame is approximately 15mm.

Circular fish-eye lens will deliver a spherical photo in the center border, while the edge are black in color. The full-frame fills in those colors around the edges with a vague image.

Macro Lens

Macro is one of the most advantage lens that specialist will employ. You can purchase this lens starting at 50mm up to 180mm. The higher the lens range the better the picture you will achieve. Most specialists will choose the 180mm or the 105mm, since it works like a telephoto zoom lens, yet it delivers top-dog photos at long ranges.

Perspective-Control Lens

Perspective-control lens are often employed by people working in the field of architect. The lens enables the photographer to manipulate his prime focus, while controlling the deepness of the subject in question. You can use this lens to capture buildings while correcting any meeting perpendicular focuses. You can capture lengths with this lens starting at 45 and reaching up to 90mm.

Mirror Lens

Mirror lens are available in 500 to 600mm caption. This lens has powerful pull and works well with fixed images. This is an ideal lens for those traveling but need a mirror image view.

12MM TOKINA LENS

The 12mm TOKINA lens is a 24mm lens designed to meet wide-angle needs, ultra wide depictions, superlative wide-angle ranges, and has a colorful outlook overall. The downside is you will pay around $500, but if you want quality, the price is worth it.

If you are searching for an expert lens, you want to keep the highest width and zoom in mind. The lowest priced lens often encounters many problems, which can become a hassle during photo shots.

While considering lens you want to consider shutter speeds, defects, aberrations, elements, zoom, speed, mm, and the like.

Some of the other types of lens include the fixed, zoom, wide-angled, standard, telephoto, and super zooms.

While considering lenses, you also want to consider that photographers will use a Flashgun to get picture perfect effects. The flashguns includes a flash head, diffuser panel, focus assist lamp, test button, hot shoe mount, ready lamp, and control buttons.

While the lens does it part in photography, the flashguns work to produce quality lighting for shoots.

Therefore, whether you are considering the fish-eye, macro, perspective, mirror or other lens, get in on the flashgun scope to adjust your lighting accordingly. Again, a lens and camera can only do so much before it too will need assistance on photo shoots.

Accessories and Cameras Combined

Digital photography is a fast growing industry. Today, technology is making it possible to do nearly anything you want with photos, by using software, quality cameras, accessories and more. Starting with accessories, we will consider a few items that may help you along your journey in photography. Personally, I employ journey often while writing about photography, since it all respects photography is a journey, adventure, experience, creation and more rolled into one goal.

Few of the accessories available to photographers or potentials are the lens attachments. You can purchase a converter attachment to give you a wider look at the picture in consideration. Some attachments work like a telescope and are designed to fit the telescopic lens. Cradles are dock stations. Similar to a ship at a dock, the passengers either board or get off board the ship, the dock station for cameras enable you to load your photos onto the dock reducing the stress of transferring while charging the battery life at the same time. What a valuable accessory.

Direct printing is preferred, i.e. some cameras now will enable you to attach the camera directly to the printer and print the images stored on the device. What a handy gadget.

Battery choice is also important while considering life. If you don't purchase the right battery accessories, your photography career may blunder. Lithium-ion batteries are often the choice batteries employed today.

Well now, we consider a few accessories; let's move on to cameras since both accessories and cameras combine. We spoke earlier in different articles regarding flashguns; however, I will bring this up once more. Come cameras have hot-shoes which enable the user to connect to a flashgun which will enhance photo take.

Cameras to Consider, including Low and Mid-Range, Premium, etc

While considering cameras you want to think budget, premium, low-end, and mid-range. If you are dressing up web pages, you may want to consider the low cost one mega-pixel Sport models. These digital cameras have all you need to get those web pages dressed for action. Remember, keep the resolution at around 72dpi (dots per inch) while loading, and keep the format at JPEG or GIFF, preferably JPEG. Furthermore, keep your images to a limit per page to attract more visitors. Try to use hyperlinks via text links to avoid automatic downloading, since this will only discourage visitors.

The low-end cameras sometimes have a couple of mega-pixels, yet they are often convenient for en-printed photos. Some cameras have fixed lens while others may have wide-angle lens. The wide-angle is more preferred for long distance shots.

Premium cameras give you a higher resolution, since you get around four or five mega-pixels. This camera is ideal for photographers, since it incorporates features that are often integrated into the more sophisticated cameras.

Mid-range cameras have a three, to four mega-pixels with high resolution. The formal and latter cameras are not ideal for web page creation.

Well now, we have SLR cameras, which the 35mm digitals and AF models are commonly employed by photographers, as well as the film and digital compacts. Other types of cameras are available, yet what camera is right for you again depends on your budget, your purpose and so forth.

Tips for web creation:
If you are considering images and photos for your web pages, not only keeping them a low resolution will enhance your web pages ranking and notability it will make downloads go a lot smoother. Also, you want to add keyword dense and text links to your site, since visitors often enjoy these search engine-optimizing strategies over full-impact web pages with scores of images and photos.

From the Darkroom

Back in the day at what time photography come in the form of black and white it sparked the interest of millions. At one time, doctors used powder and a camera to perform x-rays, while photographers were off experiencing in the darkrooms. I can remember the day while in classrooms they would often show slides on the walls, showing a movie picture in action. Nowadays you won't see this, since you can watch movies on Ipods, DVD, CD, VHS/VHR, computers, and so forth.

Nowadays you can draw pictures on computers, take photos and upload them to a computer and edit them as you choose. Digital photography is a vast industry growing and as the years pass, it is growing into an industry that nearly everyone wants a piece of the pie. Nowadays, technology is making it possible to do nearly anything you want with photos, by using software, high or low-resolution digital cameras, accessories and more.

Nowadays, scores of photographers are employing the 35mm cameras in the AF SLR series; however, yet scores of cameras exist, including digital, film, and even the old fashion. Like the film compacts, many of the digital compacts are aim and shoot devices, which makes it trouble-free to get a fast shot at the focal point.

Different types of these compacts are accessible. The digitals cameras primary focus on getting images and photos on web pages, while other types of cameras work wonders for pro photographers, since the cameras have mega-pixels incorporated into the camera. This is what you want to key in on, since in digital photography you want pixel and resolution accuracy.

Still, if you are shooting the images, you need to consider a variety of aspects in photography, such as composition, focal points, and the like. Now we are out of the darkroom. In the world of digital photography, you go into a computer environment where software, printers, scanners, and computers take full control.

Printers, scanners, computers, cameras, and software's today all deal with pixel verses resolution, which one rates the other. If you have a high-resolution camera, you want to void taking images for websites. The upside is you can edit the photos changing the pixels and size through resolution, however if you are using editing software's the higher the drop the lower the size. In other words, if you resize a picture at 1/10 in pixel likely the computer software will drop the value or increase the value, depending on the software employed. The deal is if you are creating web pages, you want a low-resolution camera with the lowest pixel amount, while if you are taking digital photography photos for print you want high resolution and the highest pixel count possible without exceeding a limit.

Digital photography today is succeeding to the point that it makes you wonder if a camera operator and camera will be necessary in the future. Therefore, if you are off to the photography world, you might want to keep up to date, since you may think you have it figured out and someday, someone will show you otherwise.

Tip
One of the largest usages of images today is over the Internet. Many people today are designing images and loading them on the Internet so that can get exposed worldwide. If this is your mission, take note that if you add too many images, place up high-resolution pictures people will leave your site likely. I know I will in a New York Second. Therefore, keep the resolution low and pixels low, as well as limit the amount of images, because if you think I am the only one that will leave your site, think again.

Editing Underway

First, before you get stated on editing images you will need a working computer, a software program for manipulating images, and a wing and pray that you follow steps accordingly. Some image-manipulating software's are sophisticated and it will take a bit of time to learn that commands and what they can do for you. If you use some commands, such as Crop to rotate photo center points it could damage the pictures. Therefore, if you use the commands crop to rotate (Press + Hold + ALT KEY down while dragging the mouse) an image, be sure to use it wisely. In this case, too much usage will cause damage.

Print and Save Files before Editing

Now that you have all your pictures printed or saved to your computer it is time for the editing process. Some of the best photography tools on the market are those programs that provide tools for manipulating images. With the programs you can almost do anything you choose, or rather some will allow you to do anything you choose with an image.

Photoshop is one of the programs that are valuable to any photographer. This program has more tools than a single person will use in a lifetime. If you have the right programs, you can fix all sorts of problems simply by using a mouse, command, and action. Now it comes to the time to ask you a few questions.

Does your photo suffer from corrupted backgrounds? Does the photo have areas in the background that are you to your disliking? Do you need to adjust the position of a person in your photo from one angle to the other?

 If so, get that manipulating image program open and click on Crop. You will need to learn to drop and drag a bit, because you want to drag your pointer onto the area to crop, leaving the marquee area alone. Rather, you want to drag this marquee to an area where it will be stored, since this is the center attraction you want to keep. You will see

a box around the focal point in the photo. Release the mouse at this moment once the marquee is outlined. It depends on the program you are using, but some will mechanically crop the area outside of the marquee. Note: If the automatic features crop more than you like, promptly click the Undo command.

Deluxe manipulating image programs will allow you to crop the areas. If you are using Deluxe merely use your mouse to click the area where you wish to crop. You can also use some of the crop tools if provided in the image-manipulating software to rotate a scene in pictures. For example, if you snapped a shot of your best buddy and he appeared sideways, you can execute crop to rotate him at an angle where he appears standing upright in the picture. How nice!

It is important that you always backup your files and save them before editing the photos. If you lose a photo that has not been saved or backed up, you have no recourse unless you have Recovery software for digital imaging. Sometimes these programs are incorporated into software still if you did not save or backup, you are hit. If you have a print copy, you are back in luck since you can scan the photo to your computer and save, backup and edit.