

Smartphone Photography

Ashish Verma.
CCSIT, TMU Moradabad
ashishv0927@gmail.com

Abstract:-At present the studies on human behaviour people used mostly there Smartphone for photography and captured their special moment of life

This guide is to helping you about Smartphone photography – how to take a great shot on your phone, what apps to use to enhance and edit your photo, how to print your images and keep them safe.

Smart Phones are easy to handle, quick, and most importantly discreet – pulling one out won't make people stop and stare. Another advantage of using Smartphone cameras is that anyone or enthusiasts can click their memories and share their creativity. Also by using editing apps or adding filters they can make their images more creative.

In photography there is too much to learn whether you're totally new to photography, or a seasoned pro.

Keywords:-Smartphone, photography, filters, Apps, Seasoned pro.

Introduction:-

A photography is a way to create a image and capture the best moment of life, so when we want to memorize we can able to go in those lovable and precious memories create by us, and the events that can't came back in our life like childhood, marriage. To capture those event we need camera but In this era of technology our phone likely known as Smartphone plays a important role to capture those precious events. Nowadays Smartphone become a great option of serious photography, the reason behind is its features, lens, Sensors, technology; Also a Smartphone contains a extravagant features like HDR, White Balance, ISO. If we had a DSLRs camera and want to take a picture it takes lots of efforts and mechanism to take a single shot like lenses tripods and grips. But because of Smartphone features it became so easy. What we want is just to choose a great and reliable Smartphone and after that a editing applications like Adobe Photoshop, lightroom and many more in our personal computer and if we want to do it in our Smartphone we can easily find the editing apps and that will make our picture more lighten brighten and effective and at last what we want to do with

this picture is just to share among the world with the help of SNS(Social Networking Sites) Instagram, Facebook, so we can say that every effective photographs contains a great effort of mechanism of Smartphone.

2. Smart-Phones:-Choosing the Best One for Photography

In the list below, you'll find some of the main points you may want to consider from a photography perspective. We simply want to open your eyes to some of the features that are out there and relevant to photographers. Ultimately, it's up to you to decide how to prioritize the things below!

2.1 Image quality

What do the photos coming out of the camera look like? Check for things like sharpness, contrast, saturation and colour (white balance and tint)

2.2 Megapixels

If you're looking to share or print your images at larger sizes, as a very general rule more megapixels on a phone is better.

2.3 Screen

Consider things like screen size, resolution, and the quality of the contrast. There'll all make a difference in how easy it is to use your camera, especially in tricky lighting conditions, like low light and direct sun. They'll also influence how similar the image on your phone looks to that same image when it's posted online or printed out.

2.4 Image stabilization

These days, some Smartphone cameras come equipped with image stabilization – a function that reduces blurriness caused by movement of the camera. This can make a big difference in the quality of your photos

and videos, especially in low-light conditions!

2.5 Video quality

Almost all camera phones can shoot HD video (1080P). But some camera phones support shooting at faster frame rates (for slow motion video). And a few cutting edge Smartphone cameras can shoot at an ultra high definition (4K) resolution.

2.6 Popularity

As a general rule, if you choose a more popular phone you'll have more options when it comes to apps and accessories, and you'll have an easier time tracking down replacement parts (like USB cables and chargers).

2.7 Operating systems & device compatibility

If you're used to working with a particular operating system or want your phone to be compatible with your other devices, you may want to choose a phone from the same brand.

2.8 Storage space

If you plan to take a lot of photos (and/or use a lot of apps) you may want to opt for a phone with lots of storage space. Our current phones have 32 GB of space, and we wouldn't want any less.

2.9 Battery life

Your battery life will depend on a lot of things (like how much you use your phone and what apps you run in the background), but it's worth getting an idea of what the maximum battery life is.

2.10 Other camera features

Do you care about having burst mode, exposure control, panorama capabilities, etc.? If so, do your research and see whether the phone you're eyeing comes with those features (or a relevant app).

2.11 Price

As a general rule, the better the camera features, the more expensive the phone will be. If you're serious about Smartphone photography, it may be worth it to pay the premium. But don't lose sight of the fact that smart phones still don't match the quality of DSLRs or even advanced point-and-shoots (the photos from which you can share on platforms like Instagram and Flickr).

3. Smart-Phone Photography: - Tips And Tricks

- **Straighten up:** When a line that should be straight – like the horizon – looks askew in a photo, it can be distracting. So unless you purposefully want a line to be askew, take extra care to get your lines straight. Enabling the gridlines on your camera makes this a lot easier!
- **Get your subject out of the center:** Placing your subject in the center of your frame can get a little boring after a while. Give the *rule of thirds* a try: Imagine your frame is divided into a 3x3 grid, and place your subject along one of the resulting gridlines or where two gridlines intersect.
- **Leave a little room at the edges:** When your subject is pressed up right against the edge of your frame, it can be a little uncomfortable to look at. Give it some breathing room by leaving some space between it and the edge of the frame. (And of course, break with this idea entirely if it doesn't suit your intended effect!)
- **Check your corners:** Before you snap your shot, do a quick check of all four corners of your frame. Is there anything there that'll distract from your subject (like a pop of color or a line)? If so, consider recomposing to eliminate distractions.

4. Smart-Phone Photography: - Editing and Sharing Applications

The basics

If one of your goals with your Smartphone photography is to share your work quickly, chances are you'll be looking to do your image editing straight on your phone using a photo-editing app.

While these apps aren't as powerful as the professional-level editing programs you might have on your computer, they do allow you to make coarse adjustments to your images, *quickly*, often for no cost or just a few dollars.

There are a lot of editing apps offering a huge range of functions, and the mix is always changing, so take a look at the photo editing apps in your phone's app store to see what's popular. It may take a few tries to track down an app you find intuitive to use and that contains the features you're after.

EDITING Features TO LOOK FOR

Nowadays, apps offer tons of ways to manipulate your original Smartphone image. Here's a quick rundown of some of the options available to you. To the best of our knowledge, no one app allows you to do ALL of these things. But in reading the list, you should get a sense of what functions you want, what'll be a big help when you start exploring your app store and looking at what each editing app offers.

And hey, if you're overwhelmed or aren't into editing on your phone, no worries! Share your shot as-is and let the world know that you've gone for #no filter. Or don't. Totally your call!

Editing features to look for

- **Brightness**

- **Contrast**
- **White balance**
- **Color temperature or tint**
- **Saturation**
- **Shadows**
- **Highlights**
- **Sharpness**
- **Crop:** to zoom in on part of your image or change its aspect ratio
- **Straightness**
- **Image orientation**
- **Vignettes**
- **Blur:** to mimic a shallow depth of field or tilt-shift lens
- **Borders:** to work around Instagram's 1x1 crop and maintain a different aspect ratio
- **Border shape:** to remove hard edges from around your frame
- **Text**
- **Virtual stickers**
- **Collages**
- **Filters**

Camera apps - basic features to look for

- **Add gridlines to your frame:** This makes it easier to get your subjects centered, your horizons level, etc.
- **Enable or disable flash**
- **Set a timer**
- **Adjust your exposure level easily**
- **Lock your focal point and exposure level:** Once you've locked focus or exposure, you should be able to recompose your shot without the focal point or exposure level changing
- **Shoot video**

Sharing

One of the big draws of Smartphone photography is that it allows you to create and share your work – with folks from the entire world, if you want – in just a matter of seconds!

You see, when you have a phone that connects to the internet, you can upload your shots to all kinds of places – photographic communities, social networking sites, messaging services, emails, and on and on.

It's easier than pie, takes just a little effort to get started, and the potential benefits can be huge! In this section, we'll go over the basics of sharing your work online, talk about some of the pros and cons, and tell you a bit about the vibrant Smartphone photography communities out there today.

Places to Share Your Work

Once your phone is internet-connected, you'll need to choose which photo-sharing services you want to use. There's a lot of choice – we'll give you a quick rundown of some of the more popular options.

- Instagram
- Facebook
- Flickr
- Tumblr
- Twitter

The Bigger Picture: Pros & Cons of Sharing Your Work

Now that I've walked you through the nuts and bolts of sharing your work, let's take a second to reflect on why you'd *want* (or *not want*) to put your smartphone photos online for the world to see. Here are a few of the pros and cons.

PROS

- Attract new clients
- Make personal and professional connections with other artists (in your area and around the world!)
- **Keep your family and friends up to date**
- Get feedback on your work
- Direct people to your personal website or portfolio
- Create a sense of responsibility to share more (and practice more as a result)

- Get exposed to and inspired by other artists using the platform
- Create a visual record of your life
- **Cons**
- Open yourself to unwanted attention or criticism
- Open yourself to image theft
- **Invest a lot of time in things you may not enjoy, like captioning your images or responding to feedback**
- Compromise your vision in order to do what's trendy and gain more likes, comments or followers (it happens!)
- No guarantee that the time you invest will pay off

5. Smart-Phone Photography: - Keeping Images Safe

- **Offline Backups-** When it comes to backups, there's no guarantee that any one system you use is going to work. The photos that are stored on your phone may be wiped out. You may think you're backing up to a cloud server, but it may turn out that you accidentally disabled that function ages ago.

So what do you do? When it comes to backing up photos, you need to store your files in at least three distinct places, to minimize the chance that you totally lose your data.

For phone users, this means that in addition to keeping your photos on your phone and on a cloud server, you need to put them on a computer and, preferably, on a hard drive or two as well.

That means getting in the habit of regularly transferring your images (and any other essential data) to your computer and an external hard drive.

As a plus, if you run regular backups of

your images to your computer and hard drives, you'll be able to delete old shots from your phone and free up precious space for new images!

➤ **Cloud Backups-** These days, most smart phones will automatically back your data (including your photos) up to a cloud server...so long as you have that function enabled.

Make sure to check your phone to see if it has this capability and how it can be customized.

For example, some phones allow you to specify what you want to back up, and whether you only want to run backups when you're connected to Wi-Fi (this'll save you from eating up a ton of your phone data).

In addition to helping keep your photos safe, enabling your phone's auto-backup system can make life a whole lot easier should you ever need to wipe your phone entirely, as it may allow you to restore some of your apps and settings with the touch of just a few buttons.

6. Conclusion

Small though it may seem, taking photos with your Smartphone can be a hugely rewarding experience. It can help you improve your fundamental skills, get you inspired, help you build friendships and work relationships, and create for you a visual record of the moments in your life, big and small. We hope you've found this guide helpful, and that you feel equipped with everything you need to know to take, edit, share, save and print awesome shots right from your phone. We can't wait to see where your Smartphone will take your photography. It's going to be great!

7. Acknowledgement

I would like to thank my guide Danish Ather for providing materials on Smartphone Photography

8. Reference

- [1] Digit FT Smartphone Photography Magazine Issue on 04th April 2014
- [2] Smartphone Photography 101 - The Ultimate Guide to Smartphone Photography