



# SMART PHONE PHOTOGRAPHY

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# Comparisons of Smart Phones

<b>Apple Iphone Sensor</b>				
Camera	iPhone 15	iPhone 15 Plus	iPhone 15 Pro	iPhone 15 Pro Max
Main wide camera	48MP, f1/8	48MP, f1/8	48MP, f1/8	48MP, f1/8 Sony IMX903 image sensor
Ultra-wide camera	12MP, f2.4	12MP, f2.4	12MP, f2.2	12MP, f2.2
Telephoto camera 3X	N/A	N/A	12MP, f2.8	N/A
Telephoto camera 5-6X	N/A	N/A	N/A	12MP, f2.8
Front camera	12MP, f1.9 with auto focus	12MP, f1.9 with auto focus	12MP, f1.9 with auto focus	12MP, f1.9 with auto focus
<b>Samsung Sensor</b>				
Camera	Galaxy S23	Galaxy S23 Plus	Galaxy S23 Ultra	
Main wide camera	50MP F1.8 1.0µm FOV 85°	50MP F1.8 1.0µm FOV 85°	200MP F1.7 0.6µm FOV 85°	
Ultra-wide camera	12MP F2.2 1.4µm FOV 120°	12MP F2.2 1.4µm FOV 120°	12MP F2.2 1.4µm FOV 120°	
3x Telephoto camera	10MP F2.4 1.0µm FOV 36°	10MP F2.4 1.0µm FOV 36°	10MP F2.4 1.12µm FOV 36°	
10x Telephoto camera	N/A	N/A	10MP F4.9 1.12µm FOV 11°	
Selfie camera	12MP F2.2 1.12µm FOV 80° Dual Pixel AF	12MP F2.2 1.12µm FOV 80° Dual Pixel AF	12MP F2.2 1.12µm FOV 80° Dual Pixel AF	
<b>Leica - Leitz Phone 2 (Sharp, Japanese Market only?)</b>				
Main Camera	CMOS image sensor with 47.2-megapixel effective pixel count Aperture: f/1.9 Focal length: 19 mm (35 mm format equivalent)			
Front (selfie) camera	CMOS image sensor with 12.6-megapixel effective pixel count Phase detection auto focus (PDAF) system Aperture: f/2.3 Focal length: 27 mm (35 mm format equivalent)			

# Considerations When Purchasing A Smart Phone

- **Moment T Lens:** <https://www.shopmoment.com/t-series>
- **Smart Phones With Large Camera Sensors:** [https://designreviews.com/mobile-phone-with-large-camera-sensor/#:~:text=The 1/1.33"camera sensor appears to be the,than the 1/2.5" sensor on other mobile phones.](https://designreviews.com/mobile-phone-with-large-camera-sensor/#:~:text=The 1/1.33)
- **iPhone Specs:** <https://www.tomsguide.com/news/iphone-15-specs>
- *Courtesy of Jim Sakaguchi*



# Free Tutorials: Smart Phones for Beginners

- **13 Tips in Smart Phone Photography:** <https://www.youtube.com/watch?v=ZYGsx1i5L8>
- **Top 10 Smart Phone Beginner Mistakes:** <https://www.youtube.com/watch?v=9db09xY30Xc>
- **iPhone Photography Tutorial: Tony Northrup:** <https://www.youtube.com/watch?v=NvQcoqvKuuI>
- For other cameras search “*Name of phone for beginners*” and be aware of the date the tutorial was posted.



# Smart Phone Equipment

- **Smart Phone Accessories for the iPhone:** <https://www.youtube.com/watch?v=ZPKh0JKR6EY>
- **Phone Camera Accessories For Travel:** <https://www.youtube.com/watch?v=a-SSWbG3U3o>
- **Best Smart Phone Lens Kits in 2023:** <https://www.youtube.com/watch?v=9riEzA4Uhp8>
- **Watch This Before Buying A Smart Phone Camera Lens:** <https://www.youtube.com/watch?v=tF1ZJFtuCfQ>



# iPhone Photography Apps

- **Top Five Smart Phone Apps:** <https://www.youtube.com/watch?v=7yDhS0lp-kc>
- **Lightroom Mobile App:** [https://www.youtube.com/watch?v=8\\_p2PWTY64](https://www.youtube.com/watch?v=8_p2PWTY64)
- **20 Best Free Photo Editing Apps for iPhone and Android 2023:** <https://www.perfectcorp.com/consumer/blog/photo-editing/best-free-photo-editing-apps-iphone-android>
- **Aperture Adjustments for the iPhone** (courtesy of Bob B.) : <https://www.picturecorrect.com/aperture-adjustment-in-iphone-portrait-mode-post-capture/>



# Famous Smart Phone Photographers

- **The World's Top Smart Phone Photographers in 2021:** <https://oneeyeland.com/world-top10-mobile-photographers-2021>
- **12 of the Best Smart Phone Photographers on Instagram:** <https://www.myclickmagazine.com/smartphone-photographers/>
- **Professional Photographers Use of Smart Phones:** <https://petapixel.com/2021/08/19/36-of-pro-photographers-shoot-some-work-on-smartphones/>



# Paid Classes in Mobile Phone Photography

- **Creative Live Mobile Photography Bootcamp:** <https://www.creativelive.com/class/master-mobile-photography-bootcamp-lisa-carney?via=autocomplete>
- **Udemy Classes:** <https://www.udemy.com/course/androidbeginners/>
- *I used the Creative Live link for my presentation. For the best price from any tutorial company, get on their mailing list and watch for a sale.—Kate*





# Some of Action Camera Inventory

- **PodZilla Tripod:** <https://www.youtube.com/watch?v=FIJddDuLRLY>
- **Hitchhiker XL Tripod:** <https://www.youtube.com/watch?v=LQnr7CYy0ZM>
- **Promaster Cold Shoe Phone Clamp:** <https://www.youtube.com/watch?v=6HU-j73yOFs>
- **Promaster Arm & Clamp for Phone**
- **SR-XM1 (Microphone ):** <https://www.youtube.com/watch?v=BmznQ5aMMa4>
- **LED Promaster BMRI Mini LED Ringlight:** <https://www.youtube.com/watch?v=b1yIdx6ZOVM>
- **Promaster Small Block WR LED Light:** <https://www.youtube.com/watch?v=37Wj34G3ERg>



# Equipment Suggestions From Members

- **Selfie Stick Tripod, 64 inch Extendable Tripod Stand Phone Triod Camera, Remote Shutter.(Les):** [https://www.amazon.com/Extendable-Wireless-Compatible-Aluminum-Lightweight/dp/B07VWFYJK1/ref=sr\\_1\\_3?crid=1WK80DFKBSZI0&keywords=selfie+stick+tripod+64+inch+extendable&qid=1696515502&srefix=selfie+stick+tripod+64+,aps,159&sr=8-3](https://www.amazon.com/Extendable-Wireless-Compatible-Aluminum-Lightweight/dp/B07VWFYJK1/ref=sr_1_3?crid=1WK80DFKBSZI0&keywords=selfie+stick+tripod+64+inch+extendable&qid=1696515502&srefix=selfie+stick+tripod+64+,aps,159&sr=8-3)
- **Vivitar 7-in-1 Streaming Essential Selfie Tripod (Heather):** [https://www.bhphotovideo.com/c/product/1654642-REG/vivitar\\_vivtr595vg\\_blk\\_7\\_in\\_1\\_tripod.html/?ap=y&smp=y&smpm=ba\\_f2\\_lar&lsft=BI:514&gclid=CjwKCAjwvfmoBhAwEiwAG2tqzH-LKo3EevIwDeJo0raAPwuu1jBpq2vcJaY8dII9Nb2ZoX89BywOaBoCcXYQAvD\\_BwE](https://www.bhphotovideo.com/c/product/1654642-REG/vivitar_vivtr595vg_blk_7_in_1_tripod.html/?ap=y&smp=y&smpm=ba_f2_lar&lsft=BI:514&gclid=CjwKCAjwvfmoBhAwEiwAG2tqzH-LKo3EevIwDeJo0raAPwuu1jBpq2vcJaY8dII9Nb2ZoX89BywOaBoCcXYQAvD_BwE)
- **Moment Lens For Smart Phones (Jim):** <https://www.shopmoment.com/mobile/phone-lenses>

