



Taking Pics with iPhone

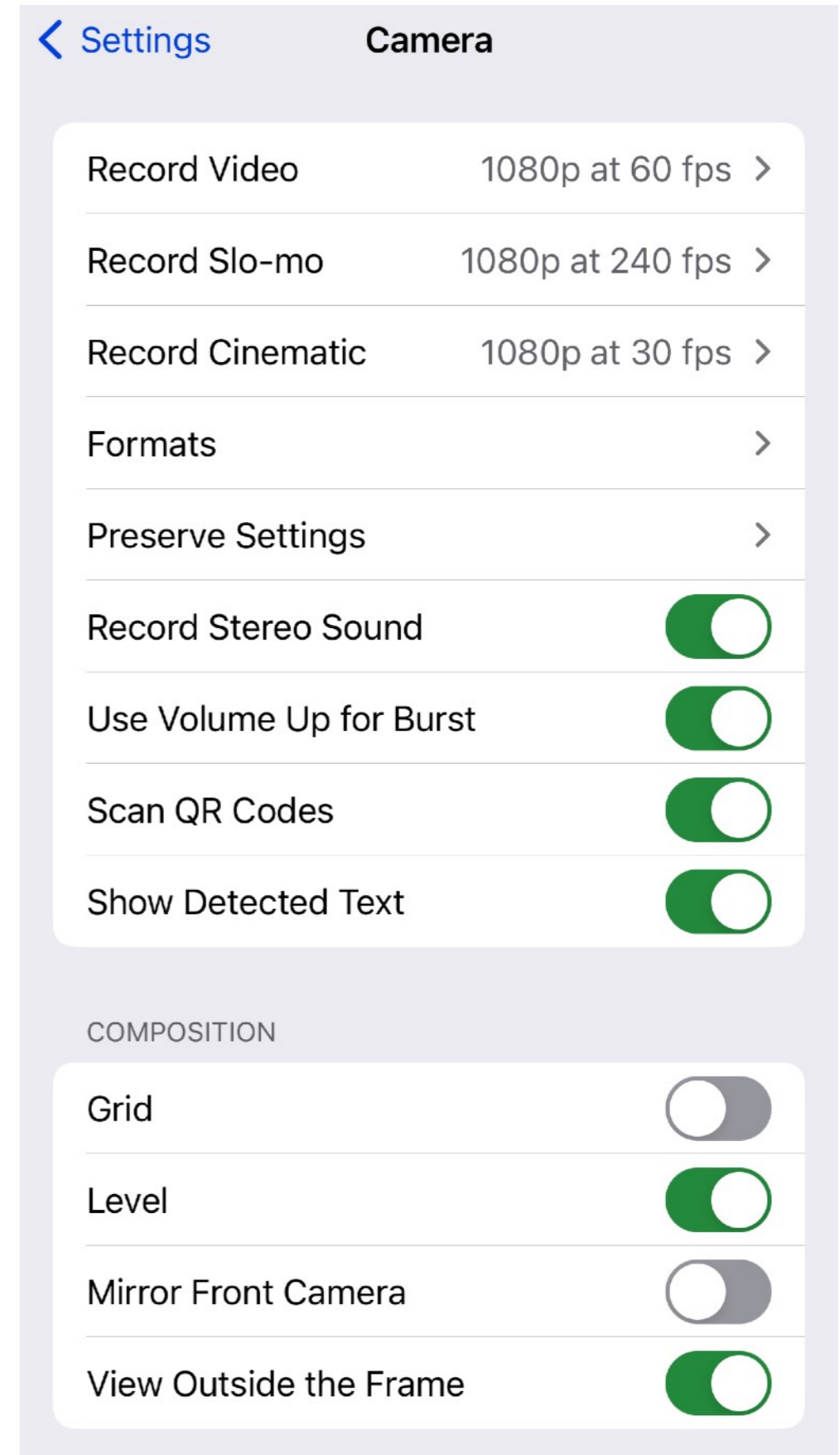
Frank Croft, April 2024

Overview

- Camera Settings
- Opening the Camera App
- Camera App Controls
- Camera differences
- General Tips
- Macro, Selfie, Portrait, Landscape, Pano Tips

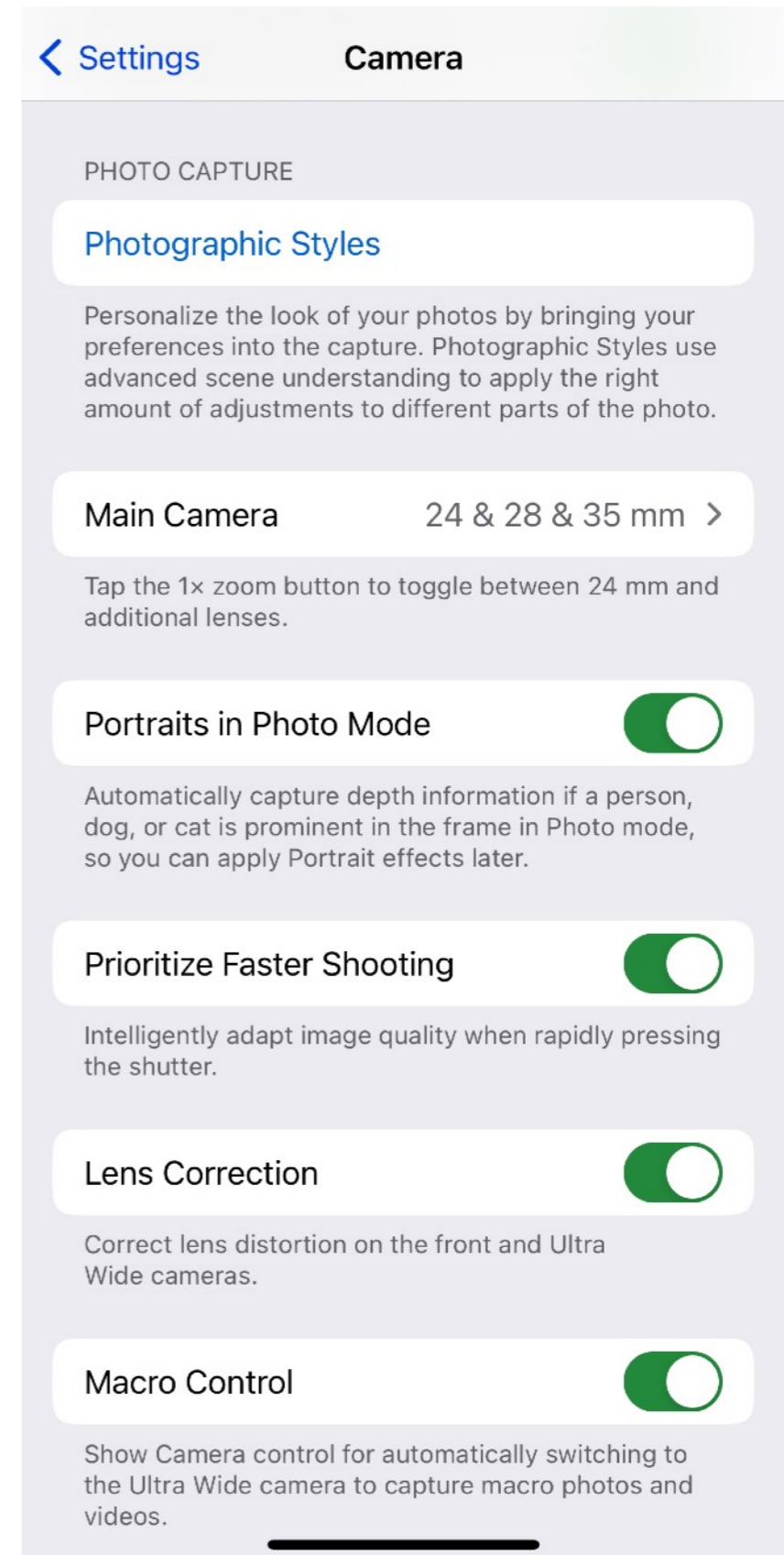
Settings > Camera

- Preserve Settings
- Compositions
 - Grid
 - Level
 - Mirror
 - View



Settings > Camera

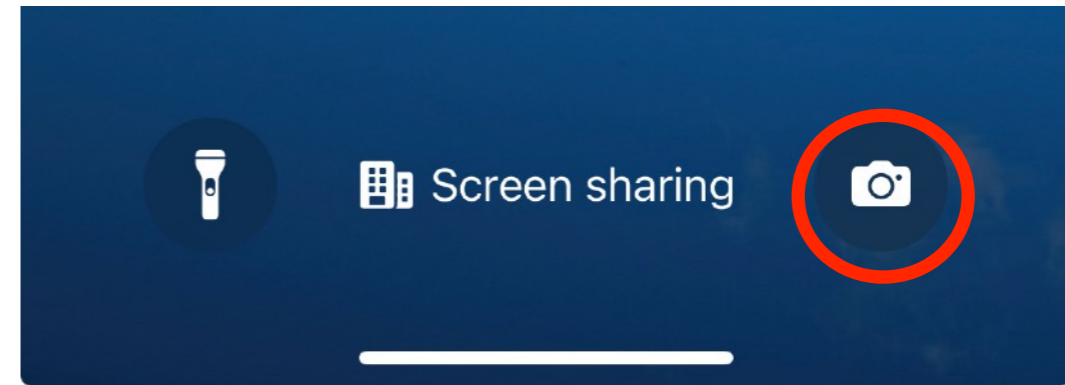
- Photographic Styles
- Portraits
- Prioritize Faster Shooting
- Lens Correction
- Macro Control



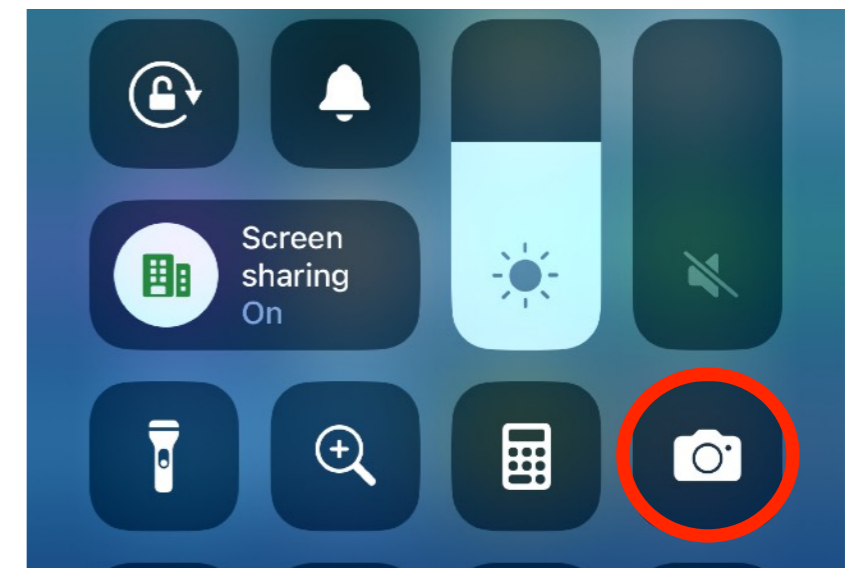
Opening App

- Tap Camera icon on Lock Screen
- Swipe left on Lock Screen
- Use Siri
- Use Control Center
- Tap icon on Home Screen

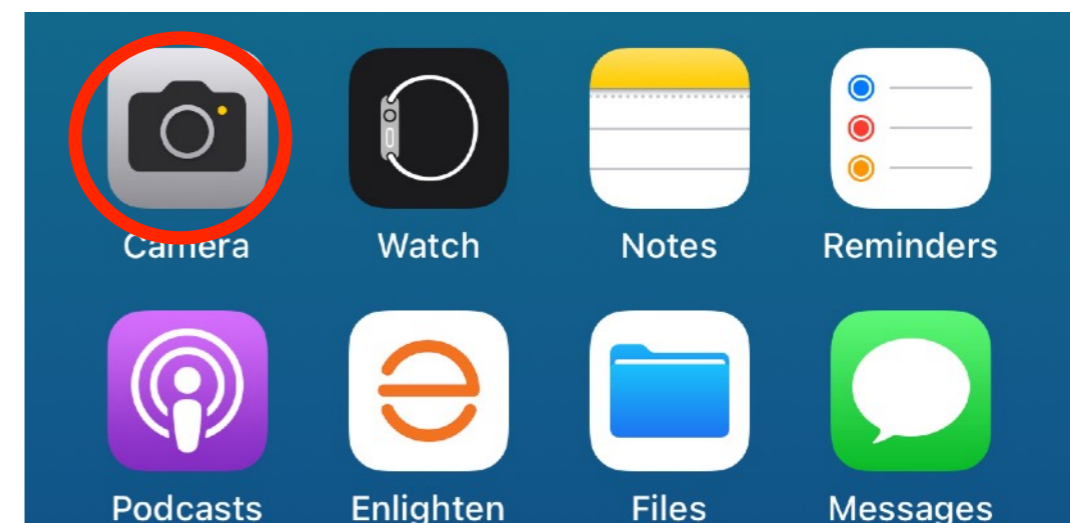
Lock Screen



Control Center

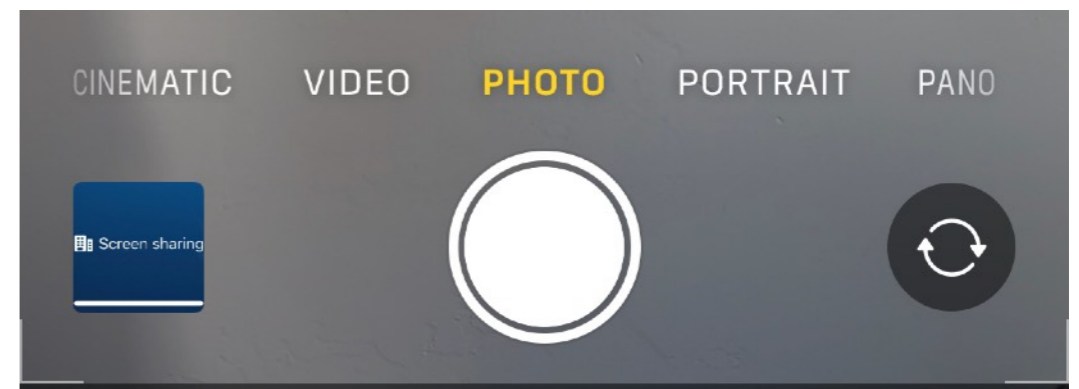


Home Screen



Camera Controls

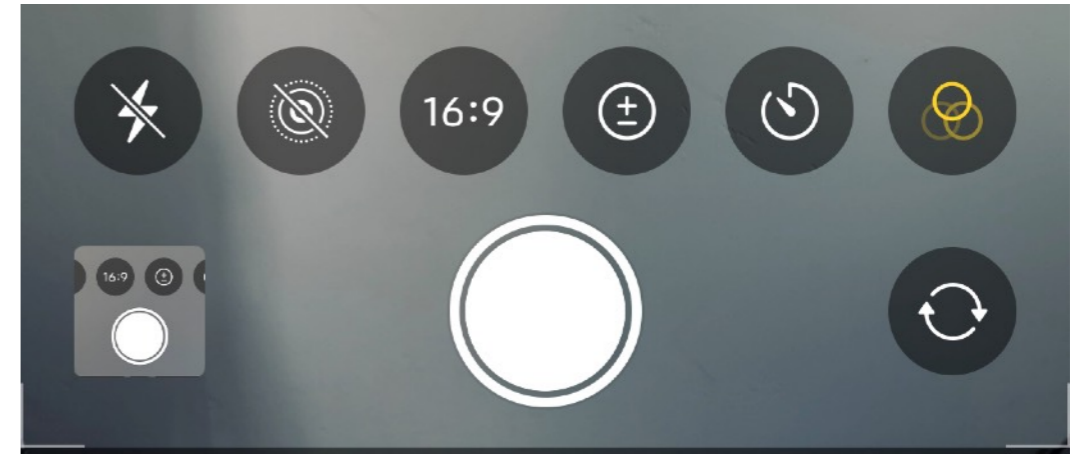
- Start at bottom of phone and work up and left to right
 - Last photo taken on left
 - Shutter button in middle
 - Normal photo or selfie (2 round arrows) on right
- Photo, Portrait, Pano covered
- Video (Time-Lapse, Slo-Mo, Cinematic, Video) not included



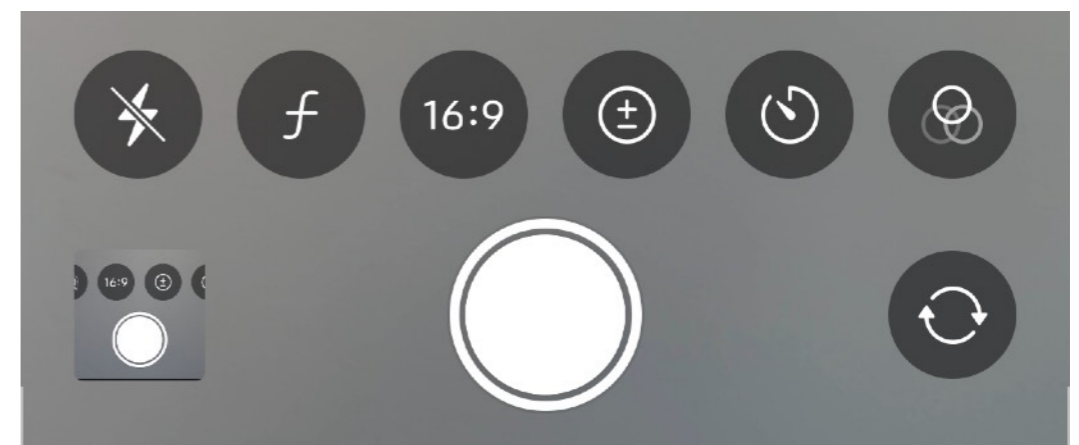
Camera Controls

- Advanced features
 - Flash
 - Night time
 - Live
 - Aspect ratio
 - Exposure Compensation \pm
 - Self Timer
 - Filters
 - f stop
- Not all shown - Dependent on other Settings

Photo



Portrait



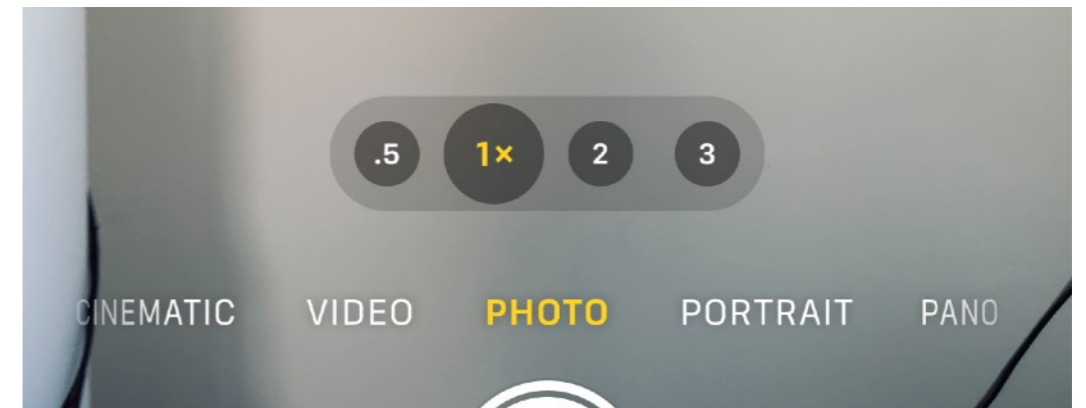
Camera Controls

- **⚡ Flash:** If you choose Flash On, the flash fires every time you take a picture.
- **🌙 Night Mode:** You can set the specific length of time for the shutter to fire. In very dark scenes, you can set this to very long exposures (even longer if the iPhone senses that it's stable on a tripod and not in shaky human hands).
- **📹 Live Photos:** You can set Live Auto mode, which takes a video component only if the iPhone calculates that there's something worthy of capturing on video.
- **🎨 Photographic Styles:** This command is activated when you tap the Photographic Styles button in the control-icon area.
- **📐 Aspect Ratio:** Tap to capture images in 4:3, Square, or 16:9 ratios.
- **☀️ Exposure:** Adjust to make photos brighter or darker.
- **⌚ Timer:** Set a delay of three or ten seconds before taking a picture. Great for getting group shots.
- **🎭 Filters:** You can apply filters (see [Give Your Items a Filtered Look](#)) directly while shooting, with a preview of how the image will look.

Camera Controls

- Zoom
 - Dependent on iPhone model
 - Optical vs Digital
 - Macro
 - Buttons vs Arc
 - Use fingers on screen

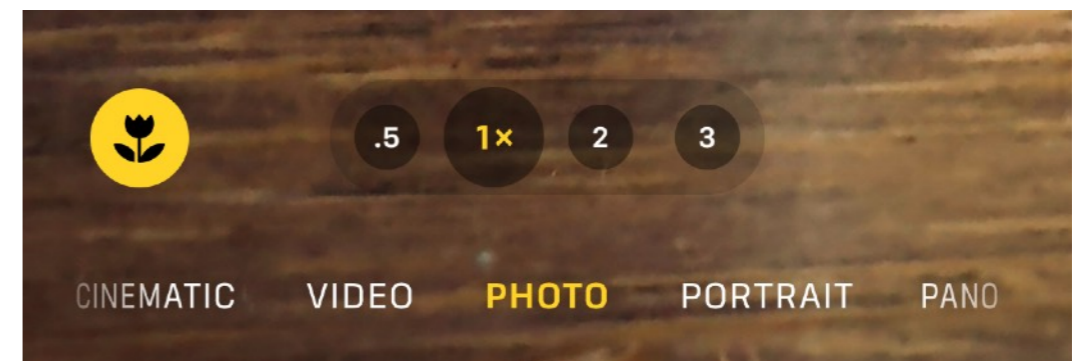
Optical Zoom



Digital Zoom



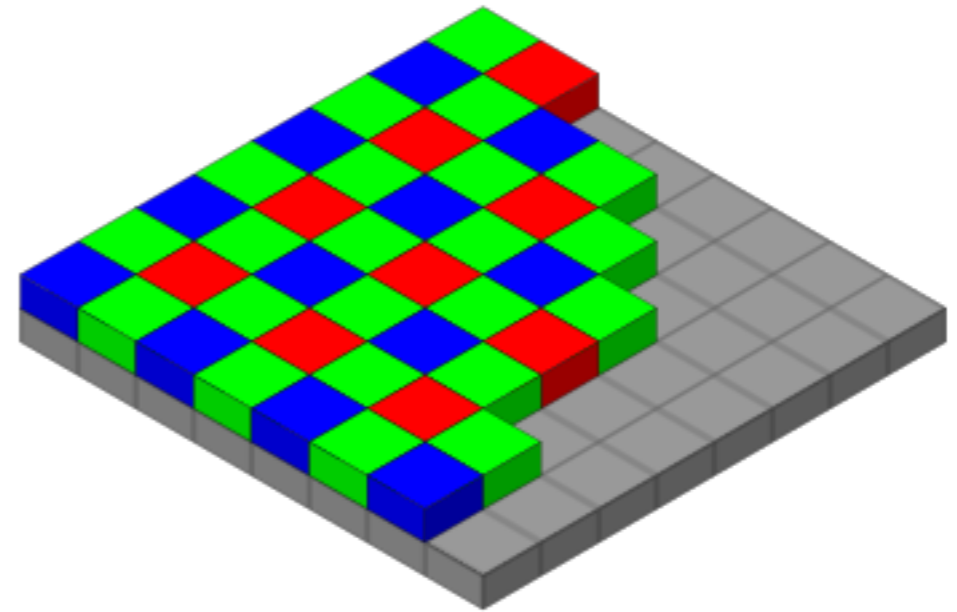
Macro



Camera Controls

- Resolution
 - 12MP
 - 24MP (14 & 15 Pro)
 - 48MP (14 & 15 Pro)
- Pixels Versus Light
- Bayer Filter/DeMosaicing
- Binning

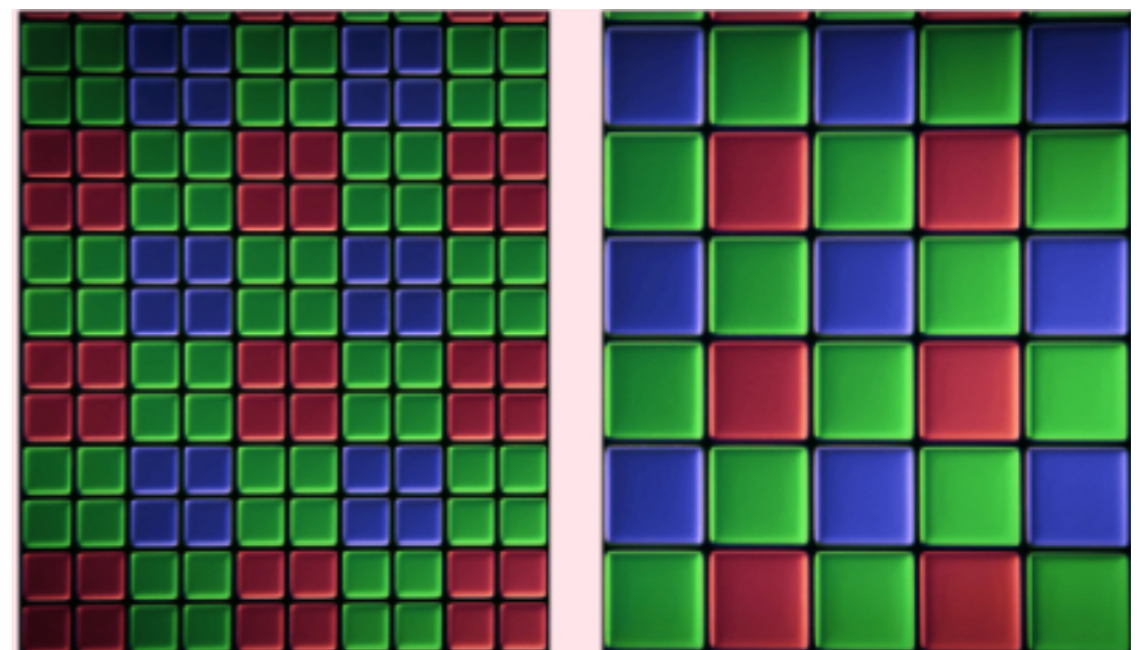
Bayer Filter



Binning

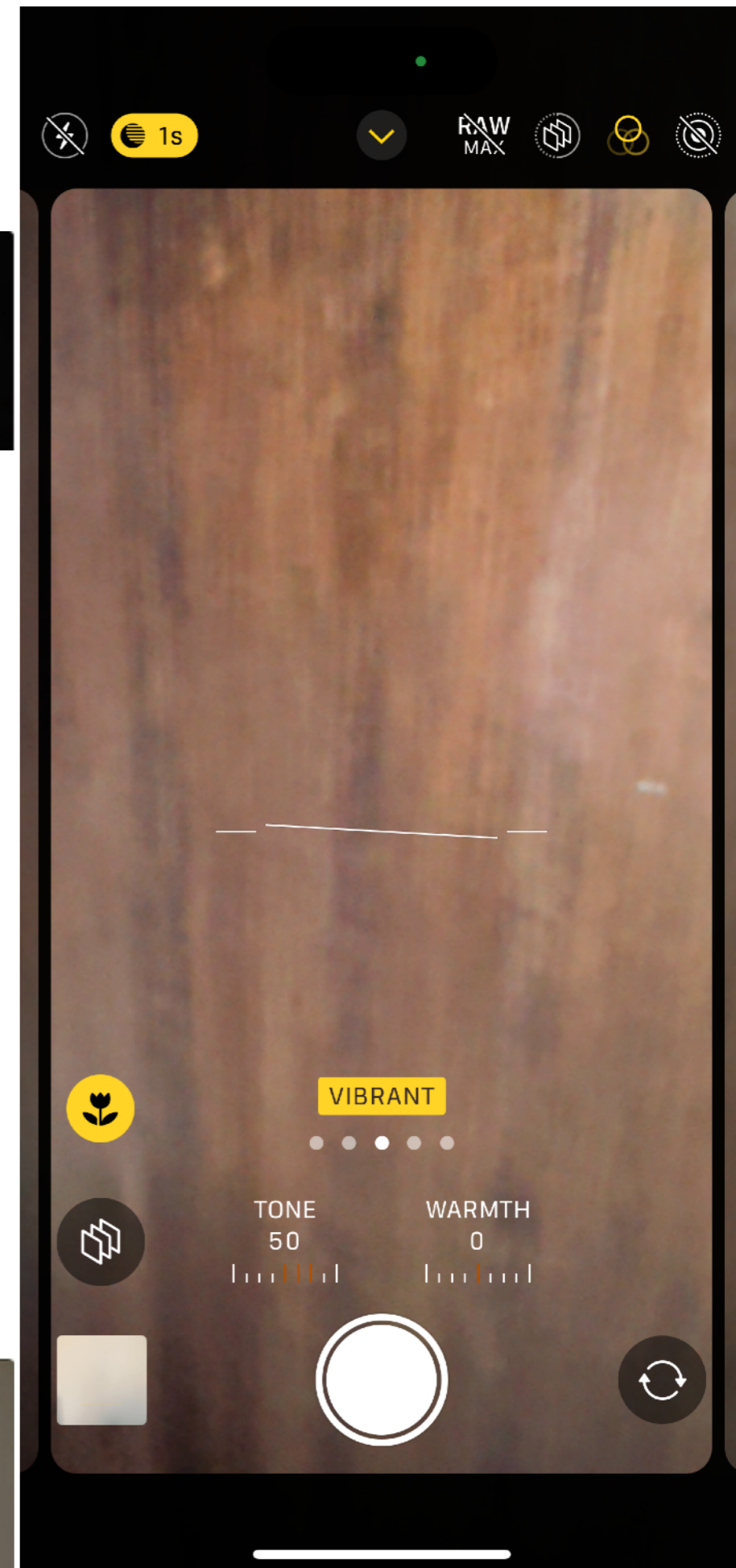
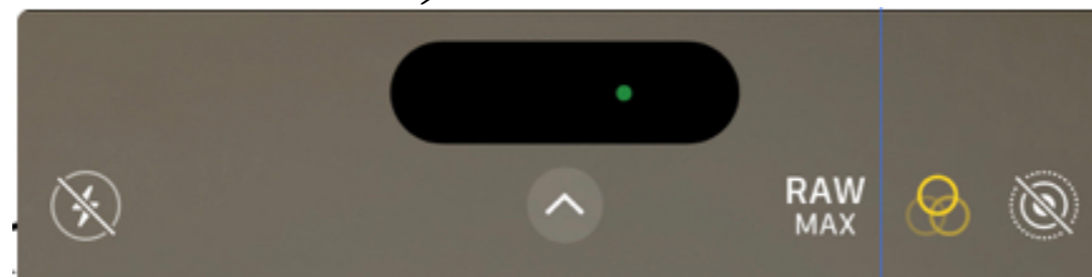
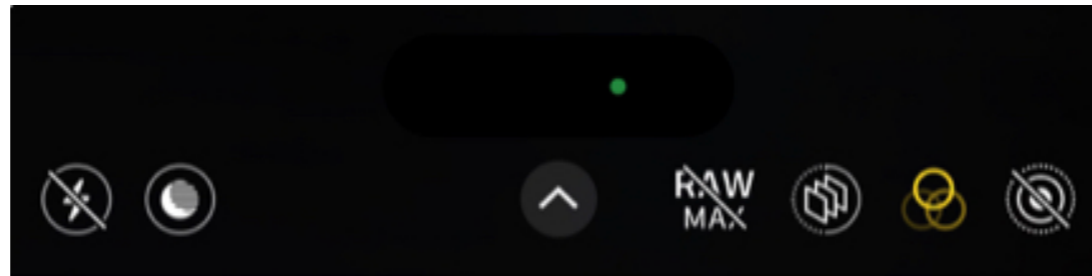
48MP

12MP



Camera Controls

- Top Row
 - Flash
 - Night Mode
 - HDR (on older iPhones)
 - Up/Down Advanced Features Arrow
 - Raw Max, HEIF Max, Raw 12 (Apple ProRaw)
 - Photographic Styles (4 diamonds icon)
 - Filters (3 circles icon)
 - Live



General Tips

- Use night mode - HOLD the camera still till second sound, shows countdown timer & “Hold Still” - combines multiple photos of same subject, or turn on the flash if subject is within 10 feet
- Swipe up or down in middle of screen to show or hide advanced photo controls
- Identify your subject
- Frame your photo so subject is on the “thirds” (turn on grids in Settings if new)
- If subject too dark or out of focus, touch the subject on camera.

Camera Controls

- Taking a picture
 - Shutter button - Press for 1 pic
 - Hold and slide left for bursts
 - Hold and slide right for quick videos
 - Volume up button - Press for 1 pic, hold for bursts
 - Volume down button - Press for 1 pic, hold for video
 - Use Camera Remote App on Apple Watch
 - Use the Timer Control (3 or 10 seconds)

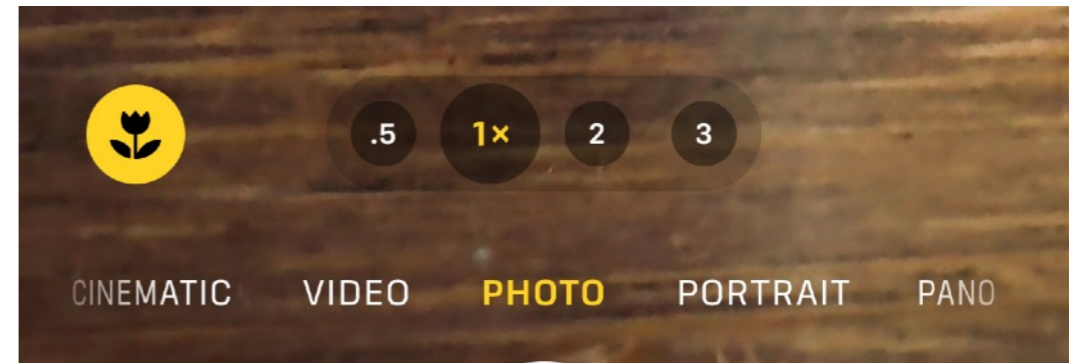
General Tips

- Touch and hold on subject to lock the exposure (AE/AF LOCK) (Long touch to unlock)
- Change exposure by sliding up/down on Sun to right of square around subject
- Use two fingers spreading to zoom or use arc that appears when you touch and hold a “zoom number”
- Advanced features: swipe up/down in middle of screen or touch the arrow
- Touch an advanced feature to get menu or touch again to hide

General Tips

- Use your Apple Watch Camera App to control your iPhone Camera on a tripod
- Use a tripod for night shots or Live shots or for selfies
- Use RAW to get the most information, HEIF if you must compress the size
- Purchase other lenses for your iPhone (they don't work with cases...)
- Don't forget to the best Advanced Option: Use your Feet

Macro Tips



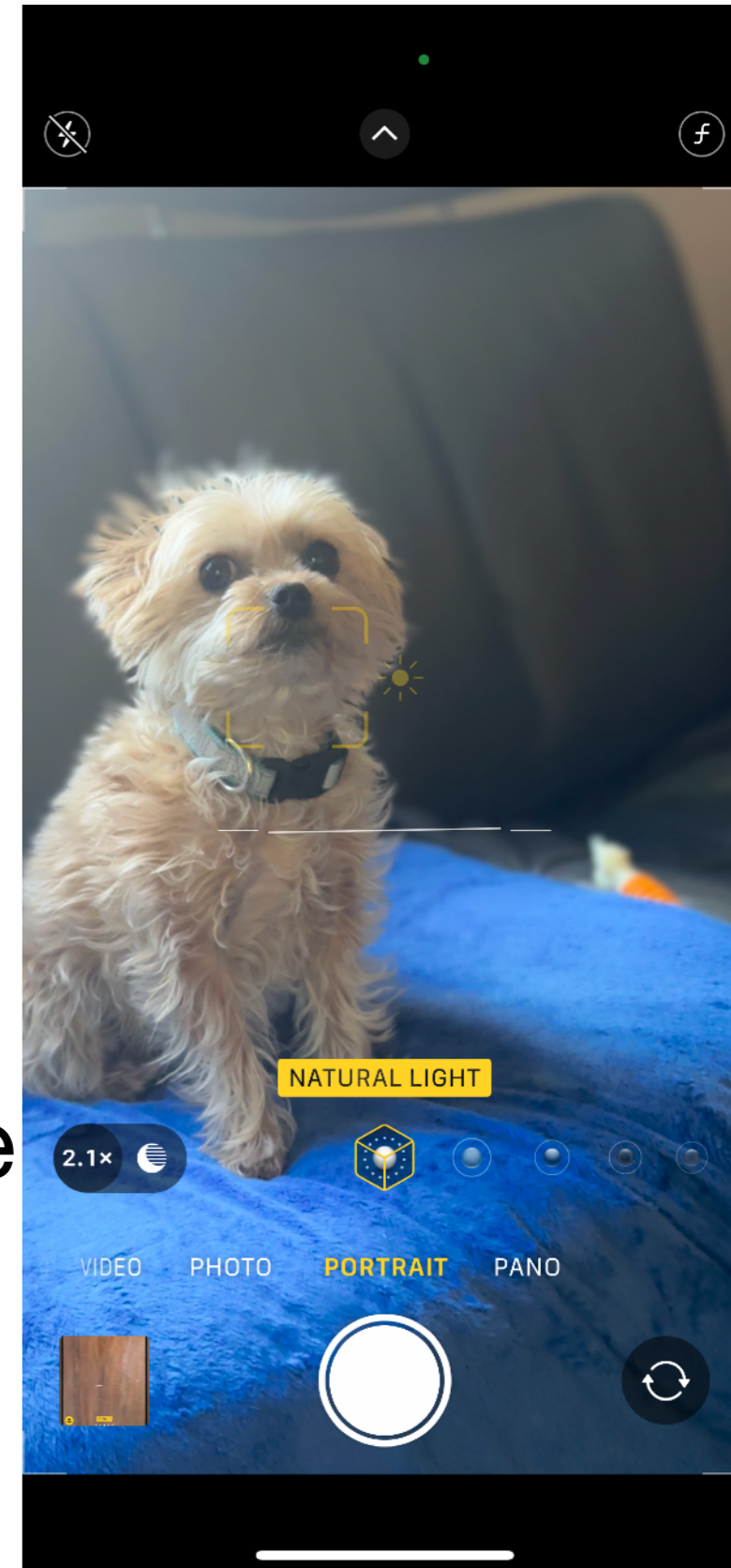
- Use Settings>Camera>Macro Control>On
- When Camera gets close (~8-10”) to subject, yellow circle in lower left appears which indicates camera has automatically switched to .5 zoom and Macro mode.
- Can get as close as 2cm
- Displays two “cross hairs”, move camera till they are on top of each other
- Zoom is still available!

Selfie Tips

- Look at Notch or island, not at yourself
- To remove double chins or dark shadows below eyes, hold camera up at 45 degrees
- Remember to have the background showing for context
- Selfies with front facing camera only 12MP
- Can also take a screen shot instead of a selfie (lower resolution may hide wrinkles)

Portraits Tips

- Blur the background - subject should be between 2-8 feet from camera, wait till Yellow “Natural Light” appears in yellow background, snap the image
- Can modify the lighting before taking the image
- Manually adjust the depth of field - Tap the *f* in the circle on top right and move slider at bottom to best depth of field (1.4 is shallowest, 16 deepest)



Landscapes Tips

- Use a subject (human or nature) as a foreground object for size comparison
- Change the height at which you take the image
- Turn on the Grid ([Settings>Camera>Grid>On](#)) to compose according to thirds
- Use the level ([Settings>Camera>Level>On](#)) to level the horizon
- Take your image during the “golden hours” (just before and after sunrise & sunset)
- Use filters to remove haze and brighten the colors

Pano Tips

- Select pano and note which way the arrow wants you to move the phone
- Tap on arrow to move opposite direction
- Go slowly (it will tell you if you are going too fast) and keep arrow on the line
- View in Landscape mode
- Zoom in to verify focus and lighting correct

REFERENCES

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