

# iPhone/iPad Essential Training

## *Taking Photos & Video*

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*Camera and Photos Apps*

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*Camera App*

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*Camera App*

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# How to Start the Camera App

5-1

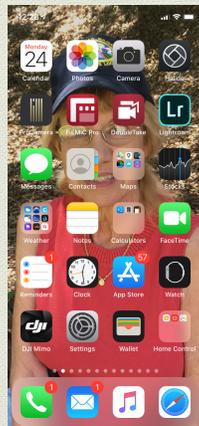
# How to Start the Camera App

- ◆ Home page icon

5-2

# How to Start the Camera App

- ◆ Home page icon



5-3

# How to Start the Camera App

- ◆ Home page icon

5-4

## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen

5-5

## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen



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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen

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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center

5-8

## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center



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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center

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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center
- ◆ Spotlight Search

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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center
- ◆ Spotlight Search



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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center
- ◆ Spotlight Search

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## How to Start the Camera App

- ◆ Home page icon
- ◆ Unlock Screen
- ◆ Control Center
- ◆ Spotlight Search
- ◆ Siri "Launch camera"

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## Types of photos and Videos

- ◆ TIME-LAPSE
- ◆ SLO- MO
- ◆ VIDEO
- ◆ PHOTO
- ◆ PORTRAIT (newer phones)
- ◆ PANO

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Demo

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# Taking a Photo

- ◆ Portrait or Landscape
- ◆ Timer 3 or 10 seconds
- ◆ 2 or 3 lens iPhones have optical zoom
  - ◆ Digital zoom up to 10X

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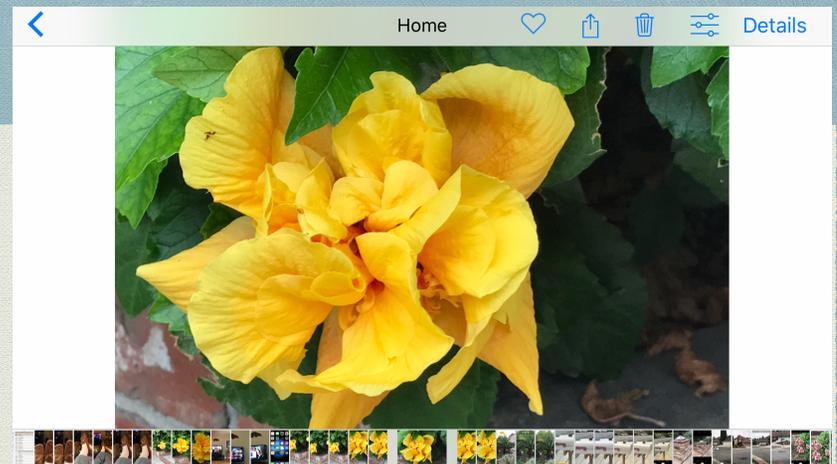
# Taking a Photo

- Auto Focus is on automatically and will often do a good job.
- Tap on screen where you want it to focus and expose
  - Adjust it by moving your finger up or down on the screen
- AF/AE (Auto Focus/Auto Exposure) tap & hold

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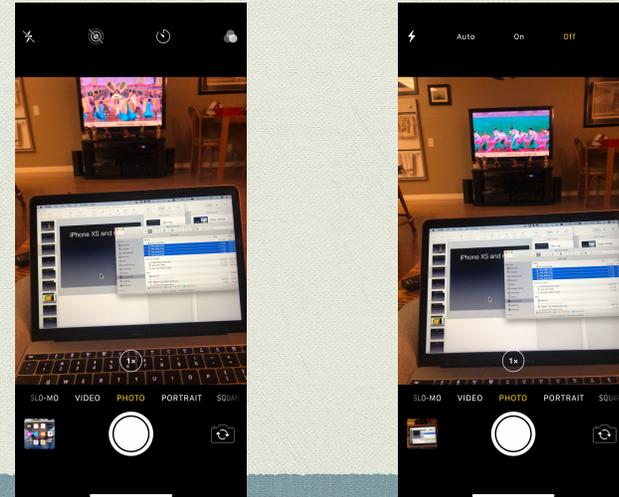
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# Flash

- ◆ Tap flash icon and select an option (iPhone and some iPads if they have flash)
  - ◆ Off
  - ◆ On
  - ◆ Auto

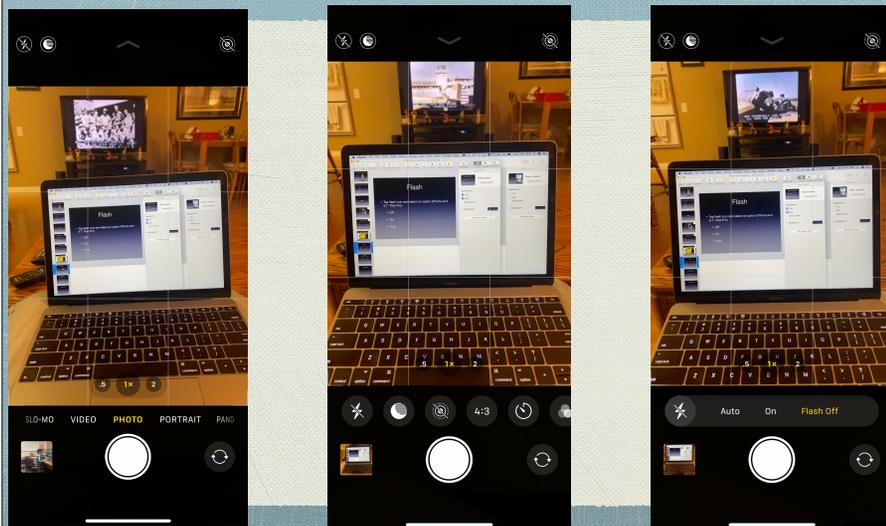
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# iPhone XS and earlier



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# iPhone 11



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# HDR (High Dynamic Range)

- ◆ The problem can be.....
  - ◆ Too bright and too dark at the same time
- ◆ HDR photos created by taking 3 photos
  - ◆ Underexposed, Correctly exposed, Over exposed
  - ◆ These photos are combined to give "a better one"
- ◆ Settings option to keep both HDR & Normal photos

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## Smart HDR

- ◆ More advanced version on the iPhone 11
  - ◆ Takes burst of 4 photos and after each one
  - ◆ Takes a photo with various exposures
- ◆ Combines all 8 photos to create the Smart HDR image

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Normal

HDR

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## Live Photo

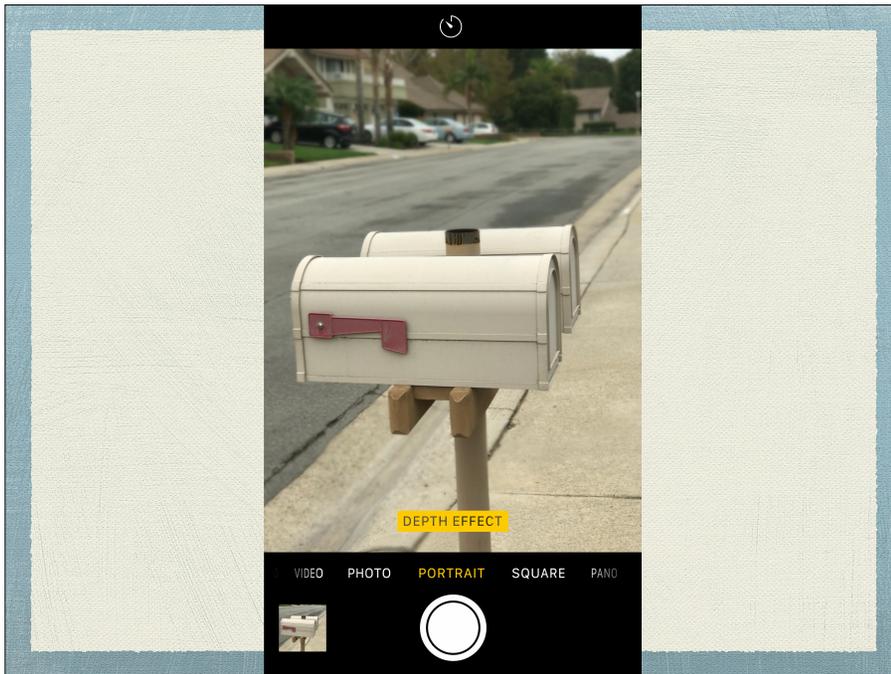
- ◆ When turned on:
  - ◆ 1.5 seconds before and 1.5 seconds after you press the shutter a video is taken
  - ◆ Kind of gimmicky but nice when done well
- ◆ Settings > Camera > Preserve Setting > Live Photos > on or off to preserve setting

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## Portrait Mode

- ◆ 2 or 3 lens phones plus the XR
- ◆ Simulates “depth of field”
- ◆ Blurs background and foreground
- ◆ Uses both lenses to sense depth via parallax

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## Night Mode iPhone 11s

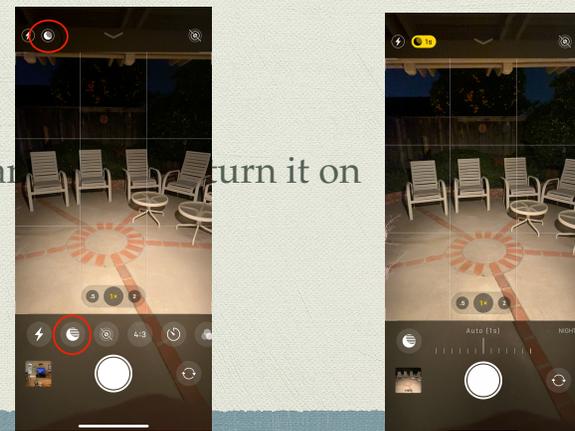
- ◆ Automatic when it is dark
- ◆ You know it is on when a moon icon is displayed



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## Night Mode iPhone 11s

- ◆ Can be turned on manually



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Night Mode



Night Mode off

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## Night Mode

- ◆ Works on iPhone 11, iPhone 11 Pro & iPhone 11 Pro Max and all 12 models
- ◆ Does not work with the Ultra Wide Angle lens as it does not have image stabilization (On iPhone 12 models it does)
- ◆ Exposures are from 1 to 30 seconds
  - ◆ longest exposure require a tripod

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## Deep Fusion

- ◆ Higher density photo
  - ◆ 24 MP photo
- ◆ Happens automatically but only if
  - ◆ Capture outside of Frame is turned off
  - ◆ Light level is above where Night Mode will turn on

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## Deep Fusion

- ◆ What it does
  - ◆ Shoots an underexposed photo
  - ◆ Shoots 3 regular exposure photos
  - ◆ Shoot an overexposed photo
  - ◆ combines all of the photos into 2 12MP photos
    - ◆ Blends the 2 photos into 1 24MP photo eliminating the noise (green & Maroon graininess)

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## Time Lapse

- ◆ fully automatic - no settings

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## Slo-Motion

- ◆ Setting for frame rate in
  - ◆ Settings → Camera
    - ◆ 1080p at 120 fps (240 fps on iPhone 11 Pro)
    - ◆ 720p at 240 fps

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32-2

## Video Mode

- ◆ Shutter button is RED
- ◆ Settings
  - ◆ Settings → Camera
    - ◆ 720p HD at 30 fps
    - ◆ 1080p HD at 30 fps
    - ◆ 1080p HD at 60 fps
    - ◆ 4K at 30 fps
      - ◆ iPhone 11 Pro
        - ◆ 4k is at 24, 30 & 60 fps

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## Video Mode

- Works the same as Photo with:
  - Auto Focus
  - Manual Focus and Exposure adjustments
  - Zoom

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## Video Mode

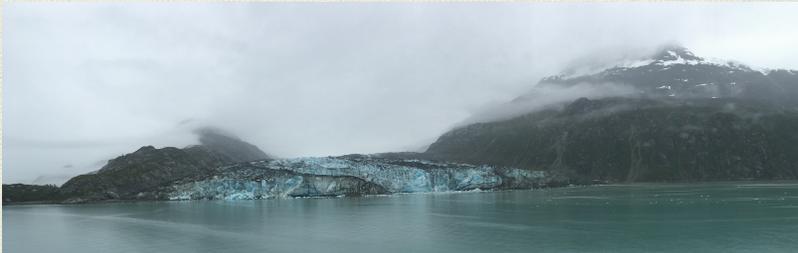
- Be careful with
  - Camera motion
    - Optical stabilization with newest phones
  - Auto focus can be abrupt
  - Zoom slowly and carefully
  - Use a tripod or prop it up if you can

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## Panorama

- ◆ Only works in Portrait Orientation
- ◆ Chose the direction by tapping the ➡
- ◆ Press the shutter and turn the phone continuously.
- ◆ Keep the arrow as close to the line as you can
- ◆ Will go 240° but will be pretty narrow, try ½ that

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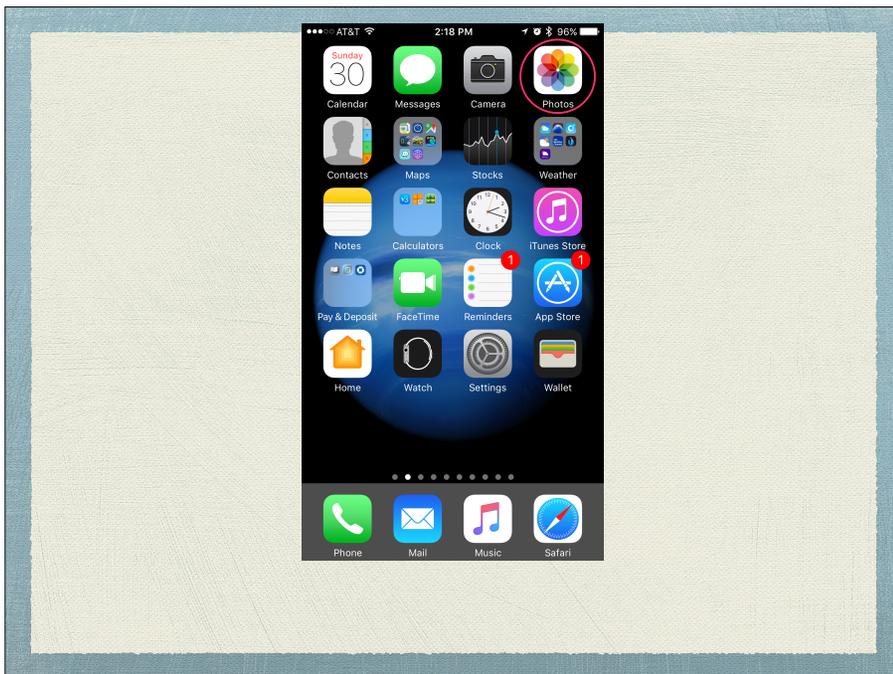


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## Alternative apps

- ◆ Video
  - ◆ Filmic Pro
  - ◆ DoubleTake
- ◆ Photo
  - ◆ Halide

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# Photos

- ◆ Photos - iOS 12 and before
  - ◆ Years
  - ◆ Collections
  - ◆ Moments
- ◆ Photos iOS 13
  - ◆ Years
  - ◆ Months
  - ◆ Days
  - ◆ All Photos

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# Photos

- ◆ For You
  - ◆ Sharing Suggestions
  - ◆ Memories
  - ◆ Featured Photos
  - ◆ Recently Shared
  - ◆ Shared Album Activity

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# Albums

- ◆ My Albums
- ◆ Shared Albums
- ◆ People & Places
- ◆ Media Types
  - ◆ Videos
  - ◆ Selfies
  - ◆ Live Photos
  - ◆ Portrait
  - ◆ Long Exposure
  - ◆ Panoramas
  - ◆ Slo-Mo
  - ◆ Bursts
  - ◆ Screenshots

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# Albums

- ◆ Other Albums
  - ◆ Imports
  - ◆ Hidden
  - ◆ Recently Deleted

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# The Hard Part

How do we get the pictures to other devices?

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# Two Apple Methods

- ◆ My Photo Stream
- ◆ iCloud Photo Library

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# My Photo Stream

- ◆ Original Method
- ◆ FREE
- ◆ All devices must have My Photo Stream selected in Settings → iCloud → Photos (or Settings → Photos & Camera)
- ◆ All devices must have the same Apple ID set for their iCloud account

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## My Photo Stream

- ◆ A photo taken on an iPhone or iPad is saved in the album Camera Roll
- ◆ It is also visible on that devices My Photo Stream album
- ◆ A copy of the photo is sent to Apple
- ◆ Apple sends the photo to every device that is set to the same iCloud account

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## My Photo Stream

- ◆ How long does it stay there?
  - ◆ The device that took the picture keeps it in the Camera Roll “forever” and the My Photo Stream albums show the last 1000 pictures
  - ◆ Other iPhones and iPad keep the last 1000 pictures in the My Photo Stream album. It will not go into the Camera Roll unless you copy it there. You can copy them to any album you wish.
  - ◆ Apple keeps photos for 30 days allowing you receive it into your “other devices”
  - ◆ Macs & PCs keep the photos “forever”

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## iCloud Photo Library

- ◆ You must pay for stored files
  - ◆ 5GB free
  - ◆ 50GB for \$0.99/ mo
  - ◆ 200GB for \$2.99/ mo
  - ◆ 2TB for \$9.99/ mo

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## iCloud Photo Library

- ◆ Your entire library is stored on line on Apple’s servers
- ◆ Any devices that has iCloud Photo Library set in Settings → iCloud Account → iCloud → Photos (or Settings → Photos ) can access pictures and send new ones up to the library.
- ◆ You can access any picture from [icloud.com](https://www.icloud.com) when you sign in with your Apple ID

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# iCloud Photo Library

- ◆ The iCloud Photo Library contains the full size photo
- ◆ Each devices can have either full size photos or smaller ones suitable for viewing
- ◆ If you select optimizing storage on any device when you choose to work with it a full size file will be downloaded to the device
  - ◆ This is a significant savings on storage on your iPhone and iPad
    - ◆ For 11,300 photos, my iCloud photo storage is over 80 GB but 1.5GB on my iPhone and 2.5GB on my iPad.

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# Alternative Photo Storage

- ◆ Google Photos - Free - if...
  - ◆ 16 MP or less
  - ◆ 1080p

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# Alternative Photo Storage

## Prime Photos from Amazon

[View More by This Developer](#)

By AMZN Mobile LLC

Open iTunes to buy and download apps.



### Description

Prime Photos from Amazon lets you back up, organize, and share all of the photos and videos from your phone, computer, and other devices. You can access all your photos on nearly any device and share them with family and friends. Prime members have access to unlimited photo storage, can collect photos with up to five family members or friends, search for photos by keyword, and more.

#### AUTO-SAVE AND BACK UP YOUR PHOTOS

Auto-save photos and videos from your phone to back them up automatically. This free photo storage app keeps your photos and videos safe, even if your phone is lost or damaged. Once your photos are stored in Prime Photos, you can delete them from your device to make room on your phone.

#### FREE PHOTO STORAGE FOR AMAZON PRIME MEMBERS

Amazon Prime members receive free unlimited photo storage as part of their Prime membership.

[View in iTunes](#)

This app is designed for both iPhone and iPad

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