Accessing the camera

From locked screen (iOS 9) you can quickly access your camera from the lock screen.

1. Tap on the Camera app icon (you will not need to enter your passcode) in the lower left corner.

Or for iOS 10

1. Swipe up from the locked screen.
2. Tap on Camera app in the lower right corner

From an unlocked phone:

1. Tap on the Camera icon to open the Camera app or
2. Use 3D touch by pressing hard on the camera icon (slightly harder than you press to make your icons to jiggle).

You will be given the options to:

- Take selfie
- Record video
- Record slo-mo (video)
- Take photo

Navigation Screen: Terminology

Camera modes: There are three photography modes for your photos: standard Photo, Square, and Pano(rama). Photo shoots a picture that is a 4:3 ratio; Square is 1:1; and Pano can shoot up to 240 degrees around (360 being full circle).

Filters: Mono, Tonal, Noir, Fade, None, Chrome, Process, Transfer, Instant: Tapping the Filter icon with the three circles in the lower right brings up “Live filters”. These are eight filters and if you choose one, you'll see a live view of how that will affect the image. Note: When a filter is turned on, the Filter icon is in color. To get back to the grid of filter choices, just tap the Filter icon again.

Flash: Auto, On, Off: In the top left corner is the flash icon. Use this for low light, indoors, or for backlit subjects.
HDR: Auto, On, Off: stands for High Dynamic Range. In this mode, the camera takes three exposures to record as much detail as possible in both the highlights and the shadows and blends them into a single image. It's a good option for high contrast scenes, such as landscapes where the brightness of the sky might overtake an object in the foreground.

Live Photo On/Off: captures a few seconds of video when you are taking a photo. It’s a bit like a GIF, but will simultaneously capture audio. It creates a .mov file capturing 1.5 seconds before and after your photo.

This feature is on by default, but as it records images for one and a half seconds before and after the main shot, it will use up additional storage on your device. You'll only see the Live Photos button if you have an iPhone 6S or 6S Plus. When you take a picture with Live Photos turned on, you will see a yellow "Live" banner appear on the screen for the time when the Live Photos effect is being recorded. The button is yellow when on and white when off.

Timer: the camera shoots a burst of ten shots over either three or ten seconds, so you can pick your favorite.

Burst mode: allows you to take a quick succession of ten photos in a second. This allows you to avoid blur with a moving subject and capture a perfect action shot.

Front Facing Camera: also known as “selfie” mode.

Last Photo: the last photo taken can be accessed from the lower left hand corner as a thumbnail on the camera screen.

Use of the camera features

There are three different camera formats: Photo, Square, and Pano.

Photo, Square, Pano

There are two ways to move between modes:
1. Change modes by tapping on the appropriate icon, or
1. Swipe right or left anywhere on the screen.
2. When you are ready to snap a photo tap the white **Shutter button**.

**Taking a Photo in Pano Mode:**

1. **Swipe** to **Pano** on the camera screen.
2. An arrow indicating the direction to move the camera will appear. To change the direction you wish to pan, simply touch the arrow.
3. **Tap** the **Shutter button** to begin.
4. Use a slow and even motion as you **pan**.
5. If you move too quickly, a message will alert you.
6. **Tap Shutter button** to stop.

**Note:** The longer the photo, the shorter your photo will appear in height.

**Fun thing to try:** move or walk parallel to the scene you are trying to capture. Move camera up and down as you **pan** to create interesting distortions of the scene.

**Filters**

You can use a filter before or after taking a photo.

**Before you take your photo:**

1. Touch on the **Filter icon**. Notice that the circles change from grey to colors when the feature is opened.
2. Tap on the preview of the filter you wish to use.
3. Snap the photo.

**After you have taken the photo:**

1. Click on the **Last Photo thumbnail**.
2. Touch on the 3 circles.
3. Choose filter.
4. Save.
Controlling Exposure & Focus

Adjusting Exposure before Taking a Shot

The ability to adjust and control the exposure of your shot gives you more creative control over the image leading to better photos.

By tapping on the area of your shot you wish to focus on, you are directing your camera to evaluate the reflective luminance of that area. Your camera will adjust the exposure automatically. If you tap on other areas of the scene, your image will lighten or darken depending on the darkness of the area you tap on.

The area you choose is defined by the yellow square that appears. On the side of this square is a small yellow sun with a vertical line next to it. That line is actually a slider which allows you to control the exposure manually. Slide up to lighten and down to darken.

This exposure adjustment control will work on videos too. The only place it will not work is in Pano mode.

AE/AF Lock

If you want to lock both the focus and the exposure, hold on an area for a few seconds, and you'll see that a yellow AE/AF Lock Label appears. When this is turned on, both the focus and the exposure are set for that area and will not change.

How to lock the focus and exposure

1. Tap the screen to choose the part of the image you want to focus on and expose.
2. Tap and hold on your focal point until you see an AE/AF Lock banner appear at the top of the screen.
3. Tap the shutter button when you're ready to take your photo.
4. To turn off, tap anywhere on the screen.

Using the AE/AF slider to manually adjust exposure

1. Tap anywhere on the live preview in order to bring up the focus point.
2. Tap and hold on the exposure button that appears next to it (it looks like the Sun). You'll now see a slider that allows you to adjust the exposure.
3. Drag your finger up or down in order to bring the exposure bias up down, lightening or darkening your photo.

Photo adjustments in Pano

1. Tap to set focus and basic exposure in panorama mode. There is no exposure slider so you can't make exposure adjustments other than tapping somewhere else in the scene.
HDR
The HDR feature takes a quick succession of three photos with different exposures and combines the photos for the best possible results. It is best suited for use in photos with high contrast areas.

1. Tap HDR to enable.

Timer Mode and Burst Mode

Timer and Burst modes take a series of photos allowing you to capture that perfect pose or give you enough time to join in a group photo.

To use Timer mode:

1. Set the timer to 3 or 10 seconds.
2. Press the shutter button.
3. A 10 second countdown will begin and a series of 5 - 10 shots will be taken automatically.
4. To view the photos in the burst, tap on the image thumbnail at the bottom left of the navigator.
5. Choose Select underneath the photo.
6. Scroll through the photos to view.
7. Click on the circle in the lower right of the photo to choose your favorite.
8. Click on Done.
9. Select Keep Everything or Keep Only # Favorites to save the photo(s).
To use Burst Mode without the Timer

1. Simply press and hold the shutter button -- great for action shots!
2. To view the photos in the burst, tap on the image thumbnail at the bottom left of the navigator.
3. Choose Select underneath the photo.
4. Scroll through the photos to view.
5. Click on the circle in the lower right of the photo to choose your favorite.
6. Click on Done.
7. Select Keep Everything or Keep Only # Favorites to save the photo(s).

Flash

HDR does an excellent job of lighting an underlit scene. If your shooting conditions are very dark, use the flash feature on your camera. You can also use the flash to illuminate an object on a very bright background.

There are three settings for the Flash: Auto, On, and Off. To change the setting:

1. Tap on the lightning bolt on the upper right of your camera navigator.
2. Tap on the desired setting.

Access and Editing of photos in the Photo App

To Quickly Access Photos with 3D Touch

2. Choose from the menu how you would like to access your photos or initiate a search.

Peek

Peek allows you to do a quick preview of a photo from a group of thumbnails.

To open Peek from the Photos App:

1. Press down on a thumbnail.
2. When the other thumbnails blur, you will see a preview of your photo.
3. To open the image completely, press a little harder.
4. If you do not wish to open the photo, release your touch.

Photo Details

To View Photo Details from the Photos App:

1. Tap on a photo to open it.
2. The location and timestamp will appear above the image.

Maps

This feature is available if you have allowed Location services for your Camera app.

To allow iPhone to add locations to your Photos:

1. Tap on Settings.
2. Tap Privacy.
3. Tap Location Services.
4. Allow Location Services by tapping on the green slider.
5. Tap Camera.
6. Choose Never, your locations will not be saved.
7. Or choose While Using the App to allow your locations to be saved.

Photo Editing Tools

Auto Enhance

From the Photos App:

1. Tap on the photo to open it.
2. Choose the edit tool (it looks like an equalizer slider) from the bottom of the screen to open the Editor.
3. Tap on the Auto-Enhance button. It’s the magic wand in the upper right corner.
4. You can toggle between **Auto-Enhance** by tapping on it again to see the before and after versions.
5. Tap **Done** to save the enhancements.

**Red Eye adjustment**

1. Tap on the **red eye icon** on the top left of the screen
2. Tap on the **edit tool**
3. Tap on the eye(s) which need to be adjusted
4. Tap **Done** to save changes.

**Crop/ Tilt**

Selectively crop out the unimportant parts of the photo. By cropping in the post process, you will retain the detailed information remaining in the pixels so your photo will retain its sharpness.

The **Crop/Tilt** adjustment also allows you to correct problems with horizontal or vertical alignment in your photo.

To access the tools from the **Photos App**:

1. Tap on a photo to open it.
2. Tap on the **edit tool**.
3. Tap on the **Crop/Tilt** tool.
4. Reposition the crop frame to include the area you want to focus on, or use the **Dial** to adjust the tilt.
5. Tap **Done**.

If you ever want to go back to the original photo, just tap on **Reset** underneath the dial to remove any edits you made.
How to Adjust Lighting, Color or Change to Black & White (B&W) with Smart Adjustments In Photos

From the Photos App:

Tap on the photo to open it.

1. Choose the equalizer slider from the bottom of the screen to open the Editor.
2. Tap on the Smart Adjustments button in the bottom navigation. It looks like a volume dial.
3. Tap on Light, Color or B&W.
4. On the preview thumbnails, swipe left and right to move the slider to make changes to your photo.
5. Lift up your finger when the photo looks as you would like it to.
6. Tap Done to save your changes.

Fine Tuning Smart Adjustments

From the Photos App:

1. Tap on the photo to open it.
2. Choose the equalizer slider from the bottom of the navigator to open the Editor.
3. Tap on the Smart Adjustments button in the bottom navigation.
4. Choose the adjustment you would like to make by tapping on Light, Color or B&W.
5. Tap on the bulleted list icon.
6. Tap on the adjustment you would like to change.
7. Use the slider to manipulate the effect.
8. Tap Done to save changes.

How to revert back to the original image in Photos

From the Photos App:

1. Tap on the photo to open it.
2. Choose the equalizer slider from the bottom of the navigator to open the Editor
3. Tap on the Smart Adjustments button in the bottom navigation.
4. Tap on Revert in the bottom right hand corner.
5. Tap Revert to Original in the popup menu.

Deleting a Photo

From the Photos App:

1. Select the photo by tapping on it.
2. Tap the trash can icon.
3. Confirm the deletion from the pop up window by tapping delete.

Markup

Markup allows you to embellish a photo by drawing on it, magnifying an area of your photo or typing on top of your photo.

From the Photos App:

1. Tap on the Photo.
2. Tap on the equalizer slider.
3. Tap on the circle around three dots.
4. Tap on Markup.
5. Tap on a color to select.
6. Draw on the photo with your finger or,
7. Magnify an area by tapping on it, use slider to enlarge or,
8. Add text to your photo.
9. Tap Done to save.
Organization & Management of Photo Storage

Default Albums

When you take a photo with your iPhone camera, the image gets stored in the Photos app. Within the Photos app there are a number of default albums into which your photos get automatically organized. In addition to these, you can also create your own albums to further organize your photos.

You can see your iPhone photo albums by tapping Albums at the bottom right of the Photos app.

The default album in which all photos, videos, screenshots and Live Photos get stored is called All Photos.

Note: If you are not using iCloud to sync your photos between your Apple devices, your default album is called Camera Roll.

There are other default albums which are actually a subset of the All Photos album. The other default albums you may see are People, Selfies, Videos, Slo-mo, and Favorites. If you have location services on for your camera, you will see a Places Album which displays your photos on a map of the world. You will also have a Deleted Album of recently deleted photos. These images are permanently deleted after 29 days.

It is important to note that even though a photo may appear in multiple albums, your phone is not actually storing multiple copies of the image so you are not using more storage space.

Camera settings: Behind the Scenes

Settings Options

iCloud Photo Library:

- On: automatically upload and store your library in the cloud to access from all of your devices.
- Off: store photos on device only.

Last updated message: last time a photo was taken or a setting changed.

- Optimize Photo storage: full resolution in iCloud, but if your phone is low in storage space, full resolution photos and videos are automatically replaced with optimized versions or,
- Download and keep originals: uses more storage space on your device.

Upload to my Photo Stream:
- On: auto uploads new photos and sends them to your iCloud devices when connected to Wi-Fi.
- Off: photos not saved to iCloud. If you turn this off Photo Stream Photos are deleted from your phone.

Upload Burst Photos:
- On: all burst photos uploaded to your photo stream.
- Off: only favorite burst photos will be uploaded to your photo stream (saves storage space).

iCloud Photo Sharing:
- On: create albums to share with others or subscribe to others shared albums.
- Off: if you turn this from off to on, your shared albums will be deleted.

PHOTOS TAB
Summarize Photos:
- Choose compact summarized views for Collections and Years (on) or choose off to show thumbnails.

MEMORIES
Show Holiday Events:
- You can choose to see the holiday events for your country.

CAMERA
- Grid on/off

Video settings
- Choose pixel/frames per second. Default is 1080p HD at 30 fps.
- Record Slo-mo default 720p HD at 240 fps.

HDR
Keep Normal Photo on/off
- Choose on to save the normally exposed photo in addition to the HDR version.

Photo stream makes recent photo available for 30 days.

iCloud
- On: stores them indefinitely in iCloud.
Additional Resources

Lynda.com offers over 100,000 courses at all skill levels covering everything from computer programming languages to design software. Courses are taught by experienced and knowledgeable industry professionals through videos. Students have access to class files and transcripts of the lesson so they can follow along. Access Lynda.com with your library card number by visiting www.vapld.info → Research → Lynda.com.

iPhone books are available for checkout under the following call numbers: 006.668/iPhoto and 779.092.

Book an individual help session for 45 minutes with a librarian by calling (847) 634-3650.

Link to article on taking better photos with your iPhone:


ADD Live Photo!