

Macaholics UNANIMOUS

The Official Newsletter of the Upper Keys Macintosh Users Group



February 2013 Volume 21 Issue 03

Nervvana and Photography

by Sue Beal

Our January meeting was so much fun! I don't even own an iPhone or a camera, and I was fascinated. (I'm looking forward to purchasing a new iPod Touch with the same camera as the iPhone, as soon as I get enough credit card reward points!)

I was in "Nervvana" as I saw Abby get prepared for her talk. She had two projectors. One attached directly to her iPhone and projected what was on her screen, and the other was attached to a laptop, in the traditional way we use a projector. It was just so cool to be able to see her tiny iPhone 4s screen projected, clear as day! We could follow her every move, and see what she saw. This made for a much better understanding of what she was doing - the best we have ever had on a hand-held device. (I've ordered one of those cables so UKMUG can do more of this sort of thing.)

Abby Bellard, whose primary business in the Keys is as a computer tutor (see her ad on page 6), has studied and taught photography for years. She says she is still learning! For us, Abby was the perfect presenter - someone able to take a simple beginner's approach to a complex topic, bringing to bear the experience of a real photographer, and all the technical knowledge that entails.



Abby Ward Bellard

Abby's presentation was in two major parts. First, she tackled the camera basics for using the iPhone camera. Then she talked about apps for the iPhone and other software available, related to photography.

iPhone Camera Basics

To get started, select the Camera app on your home screen. Starting with how to work the Autofocus, which allows you to point and shoot a photo without messing with a lot of settings. Tap on the focus square (white dotted box) and slide it around with your finger to define where the camera will take its light reading. Pick something medium grey for a good result. Hold your finger on the spot to get the exposure to lock. Now you can move the camera around to frame the shot, but the exposure stays locked.

continued on page two

OUR NEXT MEETING:



Sweetheart Tips & Tricks

for
OS X
Sweet tips for getting
around on your Mac!

presented by

Diane Marshall
John Hammerstrom
Karen Beal
Sue Beal

7-9PM

Thursday

Feb. 14

Key Largo Library Community Room,
MM 101.4 Oceanside Tradewinds Plaza

Beginner's Circle

Come at 6:30 for Help for Mac Beginners:
Bring your laptop and your questions; for
a half-hour prior to the main meeting we'll
have experienced folks available to help!

**Free and open
to the public!**



Abby took this photo to illustrate how the flash on the iPhone reaches all the way to the back of the room!



Abby took this panoramic shot on her iPhone, note that you can see what she sees, as she lines up the shot-- look at the projector screen!

Holding the Camera

Hold it with two hands, using your thumb to set the exposure. You can use the Volume button on the iPhone or on the headphones(!) to take the picture.

Options

Under the Options you'll see Grid and HDR. Grid gives you on-screen guides for framing your photo in the "rule of thirds," which is a photography term for good composition. It's better to place the subject a little off center, and the Grid helps with this.

HDR is for high definition (not high resolution — don't be confused!). With HDR on, you actually take 2 photos at about the same instant. One focuses on the highlights and one on the shadows. They are digitally combined and the result is a more vibrant photo.

The first time you turn HDR on it will ask if you want 2 separate pictures or if the 2 should be combined into one.

Abby Tip

Keep your iPhone dry! Don't whip it out to use in a downpour unless it's in a water resistant case! Protect it from dirt and dust too.

Speaking of Resolution

The iPhone 4s has a resolution of 8 megapixels, but be aware that there are two cameras - one facing front and one facing you (for Face Time). The one facing you is just 720 pixels. By comparison, the front facing camera is 2448 x 3264 pixels!

Lighting

The Fstop is what controls the aperture, or opening size, of the camera. At night,

Abby's Handouts

There were two handouts - one on Apps and one on Using the Camera. Both are crammed with tips! They're attached to the PDF version of this newsletter, and they're posted on the UKMUG website for download.

the aperture will be pretty large to let in as much light as possible, which will result in a grainy photo. The iPhone camera likes a medium light; that's where you get the best results. Very bright or very dark lighting is a challenge to get a good photo in!

Watch the light when you are shooting. Try to use soft lighting for portraits, as harsh shadows aren't good on faces. Watch reflections.

Zooming

Pinch your fingers in or out to zoom. The Zoom Tool slider bar will come up at the bottom of the screen, which is a much easier way to control the zoom. The iPhone camera does a pretty good job of zooming in close.

Flash

In the upper left of the screen you see the Flash indicator, it looks like a lightning bolt. You can set it to on, off, or automatic. Use it with caution, as a flash can create hot spots and hard shadows. But in a low

continued on page three

iPad versus iPhone

The cameras are not the same. The iPad cameras are not as high in resolution and are not as fully featured as the iPhone camera. Many of the settings and options you have on the iPhone are not present on the iPad, even on the most current model.



IT'S DUES TIME

It's dues time again! \$25 per year is our requested and voluntary donation... to keep UKMUG running smoothly. We ask for dues in Jan-Feb-Mar.

Please send a check payable to UKMUG at 219 2nd St., Key Largo, FL 33037 or hand it to Sue or John Thomas at the next meeting. **Thank you** to the ones who already paid, and to those who live far away and still support the club. You're especially appreciated!

Harold Pinder once asked me, "What do I get for my dues?" I answered that paying dues gets you nothing you can't already get for free! Then he asked, "**What does the group get for my dues?**" What a great question!

With your dues, UKMUG:

- purchases and maintains equipment for our presentations
- pays the hosting fee for our website
- provides refreshments at the meetings
- donates to the Library for the room
- puts ads in the papers occasionally to draw in new people
- pays for duplicating the newsletter and flyers to advertise meetings
- purchases the occasional movie or software for demonstration or raffle
- purchases some of our holiday gifts

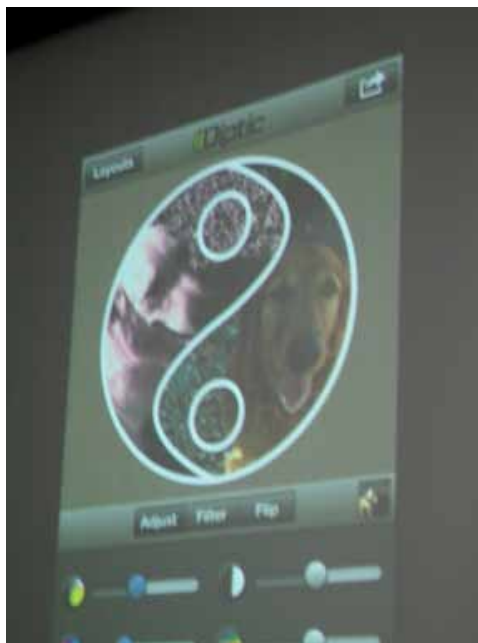
So I guess the short answer is, with your support, we can keep everything going and provide a better experience for all.



Folks came prepared to try the tips for themselves... with a host of iPhones and iPads!
Left: Anita & Jim Elsenser with Linda Swantek, and right: Doug & Vicki Pietig.



"When PCs dream"
sent in by Susie Ley.



Looking at the iPhone screen on the big screen - Abby shows some of the special after effects available from the apps she demo'd.

iPhone Camera & Photography Apps

continued from page two

light or backlit photo it can make all the difference in capturing the image.

Taking the picture

Ike Beal brought up a question about what happens when you are clicking the button to take the photo. Does it take the photo when you press down, or when you let up? Abby said it's when you let up, which helps with steadying the camera for the shot — this does not work, however, if you use the Volume control to snap the shot.

Panoramic Photos

Under options, the Panoramic setting stitches images together as you slowly pan the camera. There's an indicator on the screen to help you keep it straight and it will tell you if you are panning too fast or too slow. See the photo on page one for Abby in action taking the shot.... with all of us in the room!

Movie Capability

The iPhone camera can shoot movies at 720p and a good frame rate. It's tough to edit video on an iPhone. On the desktop or iPad you can use iMovie, which is great!

iMovie can also use your still photos and put them together in interesting ways to make cool movies.

Camera Apps

Moving on to part two... Abby showed a number of apps you can get for you iPhone. She picked free or very inexpensive ones to show. The top 3 were Camera Plus, Camera

Option and Camera Awesome.

All the apps do the same basics, enhancing the experience of taking the photos. Then each adds something a little different.

She likes Camera Awesome's focus and exposure controls, and it has some great filters built in. It's really good for shooting close up, as you can pull the exposure icon around on the screen to optimize the light.

Camera Awesome also has a set-and-lock white balance and filters - giving you an improvement in control over most digital camera's default settings.

Camera Plus offers a stabilizer, which helps with camera shake. It also has a timer, and a burst mode.

When looking for camera apps, make sure the one you choose can take full advantage of the resolution of your iPhone. Some can't.

Some camera apps also allow editing of the photo once it's taken. Crop, rotate, change exposure, apply filters, change sharpness, temperature, brightness, contrast... it's all available.

Snapseed (free)

Abby likes Snapseed (comes as an app for iPhone, or as a download for PC or Mac desktop use. You can use it to take

continued on page four

DERMANDAR

Video Dave recommends this free app for stitching photos together in a panoramic: <http://www.dermandar.com/>

Can You Help?



Videography Request

John Cain prompts me to ask if anyone has the capability to record our meetings on video - then post the presentations on the web for those out of town or unable to attend. I think it's a great idea! Does anyone have that capability... who is available and willing to do this for us? Call or email Sue. 451-4601 or ukmug@bellsouth.net. **MU**



QuickBooks Help Needed

Is there anyone in the UKMUG group that could work with me on Quick Books for MAC? The local experts I have found do not use MAC. There is a difference. I am willing to pay for their services.

Juanita Knudsen <knudsen48@gmail.com> **MU**



Carpool Request

Anyone coming past Executive Bay Club to come to UKMUG? Ken Morley would love to hitch a ride, he can't drive that far at night any more.

Email Ken at kmorley480@sbcglobal.net or call 852-7843 if you can help! **MU**



Ike Beal and Cheryl Lamb.

continued from page three

the photo, or import one.

There are filters across the bottom for changing the photo to black and white, or sepia. You can affect the brightness, contrast, or grain. The aspect ratio can be changed. Vignette (blur the edges) tilt, shift focus and more.

There's lots more available in this app that I could not get written fast enough in my notes!

CameraBag 2 (free)

Crop photo and add cool borders, or use filters for different looks. You can save the result back to your photo library. Here's what they say about it on their website: "Its key innovation is a stunningly straightforward approach to layering, rearranging, and endlessly tweaking all of these effects in real time. The 100+ fully-adjustable filters and 25+ professional controls CameraBag 2 ships with are only the beginning, forming the palette from which you can find, and create, your own styles.

PhotoCat (free)

The highlight of PhotoCat is its comprehensiveness and ease of use. It is equipped with a real-time FX camera with a dozen filters to capture every moment. After taking a photo, use its powerful editing tools: blur, crop, rotate, mirror, sharpen and many more to create professional looking photos. There are also tons of one-click effects such as "studio" effects that at the same time can enhance portrait looks by removing blemishes and smoothing skin automatically.



Tom McClain (with Sue). Tom, a snowbird, flew in early just to make the meeting!



Joleen Barrett, Kathy Miller & Video Dave at Beginners Circle

Abby likes the collage feature and special effects camera.

Colorsplash

Color Splash lets you quickly and easily give photos a dramatic look by converting them to black and white, while keeping your chosen details in color. This effect draws the viewers' attention to the colored areas, creating striking images.

Thanks to its intuitive and responsive user interface, Color Splash is super easy and fun to use. You simply use your finger as a brush to remove or bring back the original color from regions of your image.



iPhone Tip

Double-click the home button on your photo to bring up a bar filled with all your open apps. Close the ones you aren't using for better battery life.

**PASSWORDS ARE
LIKE UNDERWEAR**



- **Change yours often.**
- **Don't share them with friends.**
- **The longer, the better.**
- **Be mysterious.**
- **Don't leave yours lying around.**



Members and visitors check out the swag left over from the holiday party.

Diptic

Diptic lets you create photo collages to produce a photographic series. Start with one of 165 layouts and then select your photos. Position your photos and customize the dimensions. You can apply a filter, add text, tweak brightness, contrast, hue and saturation, and adjust border color, texture, width and curvature.

Once your Diptic is ready, you can save it or share it with your friends via email or by posting directly to Facebook, Flickr, Twitter, Tumblr or Posterous. Or, export your Diptic to any app that supports jpegs.

Hipstamatic

This one is Abby's favorite. It uses the iPhone's camera to allow the user to shoot square photographs, to which it applies a number of software filters to make the images look as though they were taken with an antique film camera. The user can choose among a number of effects which are presented as simulated lenses, films and flashes. Several of these are included with the application, while others may be acquired through an in-app purchase.

Hipstamatic is part of a retro trend in photography, which has seen a rise popularity.

Apps on the computer

Abby talked about apps you can download and run on a desktop, or use on the internet. We're out of space, so check these out on your own: Snapseed, Pixlr, PicMonkey, Photoshop Express and Juxtaposer.

Backups and Storage

Abby talked about the importance saving your images and backing up. Some of the software she mentioned: PhotoStream, DropBox, and Carbonite.

She also cautioned about Instagram taking ownership of your photos. Google these topics for more info!

Thanks Abby, for a GREAT evening! **MU**

Carbonite Users Beware!

Carbonite is an backup service you pay for that backs up your computer's storage automatically to the cloud.

Mary Anne Roper just reported it was the cause of a huge slowdown in her system performance by running in the background excessively, all the time. Her screen starting flashing one day last week and she called in Jack Buccellatto of All Keys ComputerGuy to diagnose it... the problem was very obviously Carbonite!

If you're having slowdown or video problems, and if you use Carbonite, disable it and see if it helps!!

Mary Anne posted this on Facebook: "Whatever you do, if you use a Mac, do NOT, I repeat, do NOT try to use Carbonite.com back up! After months of glitches, I finally had to pay a tech (Jack) to come in and diagnose, only to find it all stemmed from Carbonite. I called, and Carbonite's only solution for Mac users was to 'only back up certain files.' Why would I only want to back up "certain" files. No refund for me and certainly NO HELP. YUCK!"


Mary Anne went on to say she Googled the problem and found over 2000 complaints about the issue. She wishes she had done that before paying for a 2-year contract. Be warned!! 

Photo Booth


Special thanks to Erica Makar for the heads up on this fun program!

Photo Booth comes with your Mac. It provides special effects and backdrops when taking photos with your iSight camera. The backdrops provide an effect similar to a green screen. When a backdrop is selected, a message appears telling the user to step away from the camera. Once the background is analyzed, the user steps back in front of the camera and is shown in front of the chosen backdrop.

Photo Booth has two sets of image effects that can be applied when taking a picture. The first set may be described to contain photographic filters similar to those in Adobe Photoshop:

Standard effects: Sepia, Black & White, Glow, Comic, Colored Pencil, Thermal Camera, X-Ray, Pop Art, Bulge, Dent, Twirl, Squeeze, Mirror, Light Tunnel, Fish Eye, and Stretch.

The Added Effects in OS X 10.7 are: Space Alien, Nose Twirl, Chipmunk, Lovestruck, Dizzy, Blockhead, Bug Out and Frog.

Many more can be downloaded off of the web, as well as from apple.com. So get out there and play! Amuse the grandkids and grandma too... there's no excuse for boring photos ever again! 



Macintosh Systems Solutions Key West Courses: February 2013

Saturday, February 9, 10-11 am iPhoto '11 Essentials

Free : No registration required

Find out why iPhoto makes it easier than ever to organize, enhance, and share your entire digital photo collection. We'll show you new ways to make your photos look their best with professional-quality image adjustment tools and create impressive prints, photo books, and calendars.

Saturday, February 16, 10-11 am Introduction to iPad

Free : **REGISTRATION REQUIRED,**
LIMITED SEATING AVAILABLE

Discover and explore iPad -- from settings, organizing, and multitasking to surfing the web, checking email, watching movies, listening to music, reading books, and more. See how easy it is to shoot HD video and take playful photos in PhotoBooth. Learn about a few of the thousands of apps from the App Store in virtually any category.

Saturday, February 23, 10-11 am iWork: Pages, Numbers & Keynote

Free : No registration required

iWork is the easiest way to create great looking documents, spreadsheets and presentations on your Mac. Keynote's cinematic animations, transitions, and effects will keep your audience captivated. Pages makes writing and page layout easy. Numbers gives you simple ways to make sense of your data. And with iCloud built right in, the documents you create are kept up to date across all your devices. iWork also lets you open, save and share Microsoft Office documents, making it easy to work with anyone on a Mac or PC.

For more information, stop by the store or call us at 305-293-1888. Macintosh Systems Solutions. 1001 Truman Avenue @ Grinnell Street, Key West, FL. Apple Authorized Sales, Service, and Training. Right here in the Keys. Cool.

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Re-enabling the Sidebar in iTunes 11



Submitted by Karen Beal; Article By Jesse Hollington
Social Media & Software Editor, iLoungeGoogle+

iTunes 11 introduces a significantly new user interface design, with the long-standing left sidebar essentially replaced by a set of drop-down menus. If you're more comfortable with the classic sidebar, however, the good news is that you can very easily turn it back on simply by going to the View menu and choosing the Show Sidebar option. This returns you to a somewhat more traditional iTunes interface, along with the added bonus that the colorful pre-iTunes 10 icons have returned. Note that the UI in this mode is actually a hybrid of the standard iTunes sidebar with the newer iTunes 11 layouts in the main panel, so you won't get everything back from the classic interface, but it should definitely be a big help for experienced users having difficulty finding their way around the new version. Note that the status bar can also be toggled back on from the View menu if you're wondering what's happened to the totals previously found at the bottom of each screen. **MI**



I was having a lot of trouble getting used to the new iTunes interface until Karen sent me this tip! —Sue

FREE CAMERA APPS JUST FOR FUN from Karen Beal

Camera360 Ultimate – 360° effects

Shake your life – creates collage; puts your photos into spaces randomly

Sketch Cam – some interesting filters for effects

Pic Collage – kids will love it... sticker and collage fun

Mega Photo – 100 effects, most more amusing than photogenic

SpinCam – 360 spin on your photos and can export to FB, email, etc.

Abby's Computer Tutors

MAKING TECHNOLOGY SIMPLE

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clean up harddrive, organize and transfer files
- Scanner, Printer, External Harddrive, Wireless
make great scans and prints, file management
- iPhone, iPod, iPad, Android
sync to computer, download apps
- iPhoto, iMovie
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- iTunes, Pandora
organize, upload and download music files
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Tax Time Heads Up: Can you run Turbo Tax this year?

submitted by Karen Beal,
who learned the hard way!

Check to see if you can run TurboTax before buying it! You might need a new computer to run TurboTax this year.

The requirements are not very clear.

Your Mac needs two things or TurboTax will not run. This applies to ALL versions of TurboTax for Mac.



It does not matter if you get the CD or if you buy the download. The Home & Business version or the regular version. It is still the exact same TWO requirements.

1) Must have OS X 10.6.8 Snow Leopard or higher. AND

2) Must have an intel Core2 Duo or better. An Intel Core Duo will not work!!! It has got to be the Intel Core 2 Duo or better.

You can find out both of these by pulling your Apple menu to "About this Mac" and it will show you both. **MI**

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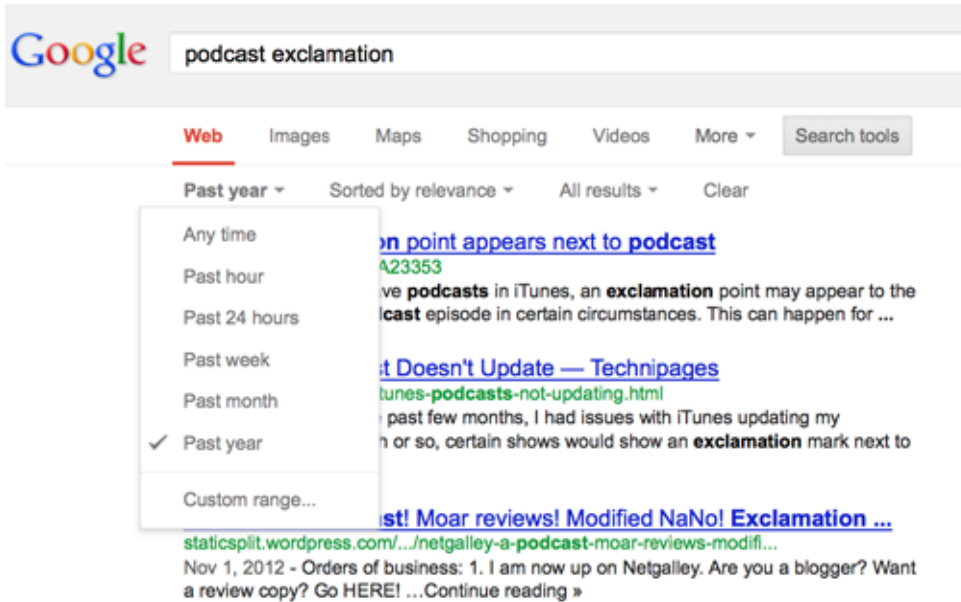
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Google Search Tip

by Doug Noble with Gold Coast MUG



When looking for answers to tech/OS problems, old answers are not helpful answers. To narrow your search on Google, try this: Google search the phrase or question, such as "podcasts have exclamation mark."

You will find quite a few possibilities as to why they won't download for you. In Google click on Search Tools, a menu will show up at the top of the results list. Choose 'Any Time' and change it to narrow your results. **MU**



Run Pee App

by Mariah Dean

<http://runpee.com/app/>

This app tells you the best time in a particular movie... when to run and pee so you don't miss anything key to the plot.

From their website: The RunPee app is here to help you enjoy your movie-going experience by telling you the best times to Run and Pee without missing anything important.

We see each wide release movie as it comes out on opening day. We watch for 3-5 minute spans in the movie where nothing really exciting, or funny, or important happens. (Obviously this can be next to impossible for really good movies but we do our best.)

We start looking for peetimes about 30 minutes into the movie and we stop when there's only 20-30 minutes left in the movie. Each peetime has a synopsis of what happens. So if you do need to run and pee then you'll be able to come back to the theater knowing exactly what happened while you were taking care of business.

We also give you a lot more:

- Notes from the person who took the peetimes to let you know which one we would suggest using and which ones to use only in case of emergency.
- If you should stay after the end credits for any extra scenes.
- A synopsis of the first 3 minutes of a movie just in case you are running late.
- A grade and short review for each movie.
- Screens that show information about your selected movie from RottenTomatoes.com and IMDb.com
- Quick links to the soundtrack, if any.
- and more... **MU**



Thank you, Graham Thomas,
for the great cartoons!

FREE CLASSES IN KEY WEST!

Macintosh™ Systems Solutions has a free class almost every Saturday morning at the store in Key West! Visit them at 1001 Truman Avenue at the corner of Grinnell. They offer a wide range of classes for new and experienced Mac users. Stop by for all your Apple sales, service, and training needs, or call 293-1888.



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UKMUG dates for 2013

Jan 10	July 11
Feb 14	Aug 8
Mar 14	Sep 12
Apr 11	Oct 10
May 9	Nov 14
June 13	Dec 12

Did you see that picture
of you, taken at the last
meeting?

<http://ukmug.pbworks.com/>



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Come at
6:30 for the
Beginners Circle:

Bring your laptop
and your questions
at 6:30, and for a half-hour
prior to the main meeting
we'll have experienced
folks available to help,
one on one, or in
small groups.

Macaholics UNANIMOUS

is the official newsletter of the

Upper Keys Mac Users Group

A nonprofit organization devoted to the use (and
sometimes abuse) of the Macintosh computer.
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Using the Camera

There are two ways to take a photo with the Camera app. Both of them will fire the shutter and save a picture to your Camera Roll library.

1. Tap the **Camera button** on the live view screen
2. Click the **volume up** hardware button on the side of your iPhone

Bonus tip: If your iPhone headset has a volume up button, you can use it to take pictures remotely!

Pinch to Zoom

The iPhone has a mediocre digital zoom but if you absolutely have to zoom in, it can be very slightly better than nothing.

- Touch your thumb and forefinger to the screen and **pinch them together** to zoom in.
- **Spread them apart** to zoom back out.

Once you've activated the zoom feature, a slider will appear giving you linear control, if you prefer it.

Macro

The iPhone will automatically adjust for macro photos. Just bring the camera close to the object you want to shoot and take the picture

Changing auto-focus and auto-exposure

The iPhone camera has automatic focus, exposure, and facial recognition. It will always try to take the best possible photo it can, but it may not always know which area of the photo you want to target. Changing the target is simple: Tap the screen: any area you tap will be surrounded by a white square and your iPhone will automatically refocus and re-balance the exposure for that area.

Sometimes the auto-focus and auto-exposure on the iPhone is more blessing than curse. For example, when there's a lot of movement, or when the center of the photo you want to take is exceptionally bright or dark. When that happens, you can lock both the auto-focus and auto-white balance so that, when you move the camera around, they no longer change. **Locking auto-focus/auto-exposure**

Place your camera on the area that has the focus and exposure you want to lock onto to:

- **Tap the square** to make sure the focus and white balance are set.
- **Hold the square** with your finger until it turns blue and pulsates.

The words **AE/AF Lock** will appear at the bottom the screen to confirm you've done it correctly. Move the camera and take your photos without worrying about the auto-focus or auto-exposure balance any more.

To remove the AE/AF Lock, just tap the screen outside the square.

Setting the flash

Your iPhone has an LED Flash that can be set to off, auto, and on. It's not a great flash and as with any point-and-shoot camera, light is your friend -- especially in low light. If you're in a really dark place, however, and really want or need a picture, it's easy to turn the flash on.

- Tap the *Flash button* at the top left of the live view screen.
- Tap the *On button* to turn the flash on, or the ***Auto button** to put it into automatic mode.

Taking HDR photos

HDR stands for High Dynamic Range and involves taking a series of pictures, one right after the other, both slightly overexposed and slightly underexposed, and combining them together to reveal more light and shadow information than a standard single-exposure photo would allow. So basically, you can see detail in the bright sky and in the shadow under the tree, rather than having one blown out or the other lost to black.

- Tap the **Options button** at the top center of the live view screen.
- Slide the HDR toggle to *On*.

The bottom of the screen will show HDR so you'll know it's enabled.

Note: The multiple exposures take a short amount of time to combine, so after you take an HDR photo you'll see a message on your iPhone say "Saving HDR". If you need to take a lot of photos quickly, you'll want to make sure HDR is set to Off.

Displaying the grid

The grid is useful to help you align your photographs and achieve better compositions. For example, by using the "rule of thirds".

- Tap the **Options button** at the top center of the live view screen.
- Slide the Grid toggle to *On*.

Two sets of vertical lines crossed by two sets of horizontal lines will divide your screen, and you'll be ready to compose your shot.


- This will help you to use the "rule of thirds" to better compose your photos.

What is the rule of thirds?

The rule of thirds is simply a guideline that states that a photo is compositionally more interesting if the important elements of the image lie on one of the grid lines or their intersections.

Camera Roll and Photo Stream

Once you've taken a photo, it gets stored in your Camera Roll, and optionally your Photo Stream.

Photo Stream is part of iCloud and keeps the most recent photos from your Camera Roll, up to 1000 of them and for up to 1 month, in a special album that's stored up to Apple's servers  and pushed down to your other devices. It can also stream photos to an Apple TV

Camera Specs:

iphone 4

5 Megapixel Sensor

f 2.8 aperture

4S

Front Camera:

- 8 Megapixel Sensor
- f2.4 aperture

A lower f-stop or aperture means that you can take better pictures in lower light, with less digital noise. Noise is the graininess that you see in your low-light pictures and video.

- The lens is a 6mm lens, which is the equivalent of a 35mm focal length lens on a 35mm camera. Kind of a good all-around focal length - not too wide, not too short.

Temporal Noise Reduction - **The iPhone 4S tops out at a maximum sensitivity of ISO 800**

Digital 'Noise' is the 'graininess' plagues so many low-light cell phone camera pictures. Digital Noise is a huge reason for the difference in quality between a DSLR and a point-and-shoot camera. It is among the many reasons that you don't see wedding photographers shooting weddings with cell phones or point-and-shoot cameras.

Note that the front facing and the back facing choices have different shooting capabilities. The front facing is really for face time, not for high-resolution images.

Back Facing Image Size

The screenshot shows the 'Image Size' dialog box for the back-facing camera. It has two main sections: 'Pixel Dimensions' and 'Document Size'. The 'Pixel Dimensions' section shows Width: 2448 and Height: 3264, both in Pixels. The 'Document Size' section shows Width: 34, Height: 45.333, and Resolution: 72, all in Inches. There are checkboxes for 'Scale Styles', 'Constrain Proportions', and 'Resample Image', all of which are checked. The 'Resample Image' dropdown is set to 'Bicubic Automatic'. There are buttons for 'OK', 'Cancel', and 'Auto...'.

Section	Property	Value	Unit
Pixel Dimensions	Width	2448	Pixels
	Height	3264	Pixels
Document Size	Width	34	Inches
	Height	45.333	Inches
	Resolution	72	Pixels/Inch

Front Facing Image size

The screenshot shows the 'Image Size' dialog box for the front-facing camera. It has two main sections: 'Pixel Dimensions' and 'Document Size'. The 'Pixel Dimensions' section shows Width: 480 and Height: 640, both in Pixels. The 'Document Size' section shows Width: 6.667, Height: 8.889, and Resolution: 72, all in Inches. There are checkboxes for 'Scale Styles', 'Constrain Proportions', and 'Resample Image', all of which are checked. The 'Resample Image' dropdown is set to 'Bicubic Automatic'. There are buttons for 'OK', 'Cancel', and 'Auto...'.

Section	Property	Value	Unit
Pixel Dimensions	Width	480	Pixels
	Height	640	Pixels
Document Size	Width	6.667	Inches
	Height	8.889	Inches
	Resolution	72	Pixels/Inch

The iPhone 5 has a better front 1.2 megapixel, 720p "FaceTime HD" camera. A new dynamic 'low-light mode' evaluates nearby pixels to give photographers up to two f-stops great performance in low light.

iPhone 5 can now shoot up to a sensitivity of ISO 3200 while still ending up with less noise.

ipad 4

5 Megapixel Sensor

f2.4 equivalent aperture

No Panorama or HDR modes within the camera app.

Shooting Tips

Use Two Hands for Stability

Whether I'm shooting in portrait or landscape mode, I like to hold the iPhone with my left hand and release the shutter with my right thumb. I recently learned that the camera shutter isn't released until you take your thumb *off* the shutter button on the touch screen. Try gently releasing the button and see for yourself if that doesn't work for you. For me, it's made all the difference, especially when shooting indoors in low and mixed lighting conditions.

Avoid Using the Digital Zoom Box

I really don't like to use the digital zoom feature, which activates when you tap the screen to focus, bringing a blue square onto the display that also adjusts the exposure and white balance. Sometimes I'll use it for capturing text or a reference shot, but for fine photography on the iPhone I tend to shoot with the lens at its widest angle of view. This helps me think more about composition and keeps the camera steady. The greater the zoom, the more likely that camera shake will cause your photos to lack sharpness. Also, avoid using the camera to shoot high-speed action, sports, and wildlife. Let's face it, camera phones were never designed to compete with higher-end DSLR cameras. Use it for what it's good for—capturing the details of your life. And don't be afraid to get in close.

Keep Compositions Simple

When shooting with your iPhone, always look for easily readable patterns. Everything in the image should contribute to the mood and emotion you want to convey. Pattern repetition creates a rhythm that the eyes like to follow. Remember that photos sent to other phones will be viewed small—another reason to keep the image simple and clean.

Remember That Light Is Key

Light with camera phones is important – the lower the light the more grainy it becomes –

Even when shooting with your iPhone, the quality of light can determine the success of a photo. When shooting portraits, avoid sunny and direct light on faces, which can create harsh shadows (and a lot of squinting). Shooting in bad storms can always give interesting results, but my favorite light is bright overcast, open shadow, or even a bit of fog. For technical reasons, the small sensor in the iPhone will handle this light best

Look Out for Good Reflections

Reflections are one of my favorite visual themes. You see them everywhere you go, in water puddles, windows, mirrors, and shiny objects.

Look for People or Objects to Create Sense of Scale

It's always good to try to include a person or object in your scene to give a sense of scale.

Keep Your iPhone Dry

I've already lost one iPhone to a downpour, so I would advise always keeping it protected from water and dust.

Look for New and Exciting Angles

I always stress the importance of shooting from unique angles and perspectives. This is no less important when you're shooting with an iPhone. Get high, get low, and always try to find a fresh angle.

When Shooting Portraits, Look for Soft Light

We all want to shoot portraits of those we care about, and the iPhone is a great tool for this. Because of its size, it's not as intimidating as a large camera or lens, which often causes subjects to freeze.

Keep in mind that, for portraits, light from a window will provide a soft and pleasing look. Rembrandt lighting—using the light streaming in from a window as the main source—creates a natural look and a more comfortable subject.

Also, don't settle for one shot. Instead, get close with the camera, talk with your subject as you compose, and get the expression just right

Look for Abstract Shots and Humor

Some of my favorites photographs are of the quirky street art encountered when exploring new locations. Look for offbeat perspectives that can include humor, shadows, and reflections.

PHOTO APPS with Abby Bellard

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When choosing my photo apps the things that I check for are:

Image resolution

File Management

***All of the apps on this list shoot in large file format.**

Case in point is Instagram- a great app, but you can only share via facebook, or the instagram web site.

Some of these apps are free but most come with extras that can be purchased.

Simple Editing

Snapseed – Free mobile and has desktop interface

CameraBag 2 - Free

When I started shooting photos with my iPhone, this was the first app I liked using because it re-created the different types of film emulsions that I shot with during the days of film. I used to shoot with a variety of Kodachrome film emulsions, beginning with Kodachrome II and following with 25, 64, and finally 200. I found the setting on the app to be a very close proxy to the look I used to get with film. Other settings I like to use include Instant, which mimics a Polaroid SX-70, and 1974, which reminds me again of Kodachrome II. This iPhone app is ideal for going after subtle and subdued colors. The built-in presets have done all the work for you.

Photocat – Free

From snap to share, Photocat is an all-in-one app for editing, collage making and everything else needed to make your photos more stunning. Life just got easier with no more switching in-between apps

ColorSplash - \$1.99

ColorSplash has been around for a while, but it's still one of the most popular apps available today. The app converts any image that's imported from your library to black and white giving you control over which details retain their color. Create your next masterpiece in landscape or portrait mode with four different brushes (transparent, opaque, hard or soft edged) and immediately share upon completion to Facebook, Twitter or Flickr. Video tutorials are embedded within the app if you get stuck along the way.

Diptic - 99¢

Putting together photos on the iPad and iPhone isn't actually that easy, Diptic fixes this by doing it for you.

Hipstamatic - \$1.99

This app imitates old school toy cameras, complete with the low-tech plastic lenses, external flash attachments and film choice, each providing their own set of medium-format photos that results in blurred subjects, weird color effects and interesting vignettes. Inspired by the Kodak Instamatic camera, this application puts computerized filters over your regular iPhone camera to make your photos look like the aged and beautifully flawed medium-format photos.

TiltShift Generator - Free but full version - 99¢

With a DSLR You can achieve this effect using a tilt-shift lens—or a Lensbaby on a camera—but this app makes it simple to create the same effect using your iPhone. I like the elegance and design of the controls. You can adjust the amount of blur, contrast, brightness, and vignetting to your liking.

Intermediate Editing

Photoshop Express – Free

This app provides simple and advanced video editing features to help users make adjustments, crop photos, etc. by just swiping and dragging your finger across the screen. If you decide to buy the extra Adobe Camera Pack, you get additional features, like the ability to eliminate the digital noise that occurs in low light situations.

Filterstorm - \$3.99

This app has a complete set of powerful, essential image editing tools that rival desktop image editors, including layers and blending.

iPhoto - \$4.99

Great for Browsing, edit, and sharing your photos from your iPad, iPhone or iPod touch, good for very simple edits.

Shooting

Camera+ - \$0.99

What I like about this app is that it will split up the focus and exposure points. The focus point will make the camera adjust the image to your center point, slightly blurring out the rest of the image. As you drag the exposure box around, the lighting on your image will change (the extremes are too dark or too washed out). I use this feature quite frequently to get the right amount of light balance on my photos.

Camera Awesome - Free

While you get access to all of the main shooting and editing features of Camera Awesome with the initial free download, you only get nine free filters without paying for extras.

Syncing Photos from all devices

Photosync - \$1.99

Tired of hardwiring your iPad to another device to sync up all your photos? Then PhotoSync might be the perfect tool for you. It allows users to share photos between all your devices, including computers, iPods, iPhones, and iPads, or upload them to the net for sharing on Dropbox, Flickr, or an FTP-server. With over 180 5-star reviews in the app store, PhotoSync is RAW + JPEG friendly and even allows any computer on your Wi-Fi network to look at photos via a web browser. Lastly, if you're Wi-Fi is down, no problem; it runs on Bluetooth as well! Definitely a must have iPad app.

Online Photo Editing

Photoshop Express www.photoshop.com

PicMonkey www.picmonkey.com

Pixlr www.pixlr.com

Snapseed www.snapseed.com/

Apps for File Storage –

I tend to stay away from iphoto on my computer so I use this app to store all my photos from my phone.

<http://www.carbonite.com/> - \$59 year

This works as well:

www.dropbox.com - 2 GB **free** - earn up to 16 GB of additional space by referring your friends to Dropbox.

3

Some great sites

<http://tinycollective.com/>

<http://www.iphoneography.com/>

<http://www.artofiphoneography.com/>

<http://lifeinlofi.com/>