

HOW TO USE THE VIDEO/MOVIE FEATURE OF YOUR DIGITAL CAMERA

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WHAT IS VIDEO ?

Video is nothing more than a continuous stream of single images or frames. Normal setting is 29 frames per second (fps).

WHY USE THE MOVIE FEATURE?

With video you have the ability to capture sounds, action and emotion to tell a story

When you are learning “how to” do something, a video lesson will help you remember it. (ex. Line Dance lessons)

Capture an acceptance speech or toast

Capture the “setting” – pan around the room, over the audience, etc.

Use video when you can't use flash
(concerts, etc.)

Capture “the moment” – people freeze when they see a camera. However, if you set the camera to movie mode and discreetly turn it on and off – you will capture that “fish that got away” or a memory from “the good old days” or a joke that you want to remember.

You can “extract” the audio, edit it just like the video track, and use it for slideshows, etc. (“You’ve Got Mail” example.)

(Tippy – Windows Sound Effects example)

Usually the “perfect shot” (an athlete in motion) or expression (your pet playing with a toy) that you may have missed with a still camera can be “extracted” from the video.

SPORTS MODE & CONTINUOUS SHOTS CAPTURE ACTION

If your camera isn't fast enough to capture that golf swing, take a video and "grab" or "extract" the still image (frame) that you want

WHAT CAN YOU DO WITH YOUR VIDEOS?

Create videos of special events and send to family and friends via email (Ex. Berry Creek Trail Walk – still pictures plus video of deer)

Insert in slideshow to make it more interesting

Upload video segments to your personal web site, YouTube, Vimeo, Facebook, etc.

Combine video clips from various sources into one new production (ie. – birthday, anniversary or retirement celebration)

Ex. Austin Music Scene – clips from various concerts and events

Add video segments to business presentations or training applications

TIPS FOR TAKING BETTER VIDEO

PRE PLANNING YOUR VIDEO

Story

When you are making a video you are telling a story. Make a list of the important shots you want to record during a special event. (Ie. Grandma holding the baby; cat playing with a ball of yarn.)

You may need to “setup the scene” – if you put a ball of yarn in front of your cat, you know it is going to play with it!

Which shots would be close-up? Wide angle?

Equipment – Keep a checklist and review it to make sure you have everything you need for each event.

Camera

Batteries - Ensure main batteries are charged and carry extras or a battery pack. - Bring a battery charger with you.

Memory Card – get the largest size you can. Have an extra one ready in your camera bag.

TriPod or Monopod

Lighting

Shoot in natural light whenever possible

A cloudy day is best because light is diffused

Early morning and late afternoon are best to avoid deep shadows (sweet light)

When indoors, shoot near a window but don't point directly at the window

Try to avoid fluorescent lighting

In low light conditions, use a camera light or light stand.

Reflectors produce more even lighting.

Camera Settings

Check your owners manual for the video settings of your camera. If you are given a choice of size, choose the largest video size, highest quality, NTSC.

Make sure date/time and time code settings in the display are shut off so they don't end up on your video.

Sound

If you have a digital SLR camera, get a microphone that can be attached to the hot shoe and plugged into the A/V slot of the camera for best quality.

Camera movement

Use a tripod to keep camera stable

Don't walk while you are recording video

**Don't zoom in/out while filming.
Take close-up shots, and wide angle shots and blend them when you edit the video**

Use more close-ups if you are planning playback to be on a PC

You may have to shut off auto focus settings if your camera is having trouble focusing on moving objects

**** Important: Record at least 5 seconds of video before and after the actual footage that you want so that you have room for editing and transitions.**

**GET FULL PICTURE –
THEN A CLOSEUP OF
ONE ELEMENT OF
THE SCENE**

Apple Video Editing Software

iMovie '06 HD – my preferred –
free download

iMovie '09 – free – included with
O/S (iLife)

Final Cut Express 4 - \$200

Final Cut Pro - \$600 (industry
standard)

FILE FORMATS

WINDOWS

AVI

MPEG

WMV

APPLE

DV

MOV

M4P

H264 – iphone, ipod

AN EXPLANATION OF HIGH DEFINITION

Regular TV resolution is 480i.

(480 vertical lines in a single image.)

High Definition (HD) is 720 p or 1080 p

The "p" and "i" refer to how the image is created on the screen.

The "p" stands for **progressive** and means that each individual image that appears on the is created from top to bottom, much like a painter fills in a wall one stroke at a time.

The "i", refers to **interlaced**, which means every other line is painted--typically odd lines first--and then the process starts over again to fill in all the even lines.

Once again, think of someone painting a room, but this time imagine they're painting stripes and not switching colors until they completed all the first color stripes from ceiling to floor.

DIGITAL CAMERAS AVAILABLE
WITH HIGH DEFINITION
FEATURE:

FLIP MINO HD – 1080p

NIKON P100 – HD 1080p
movies

**Fujifilm Finepix HS10 -
\$469
– HD 1080p**

CANON EOS 7D -- “HOUSE” EPISODE FILMED ON THIS CAM- ERA

**“Honorarium” Documentary
Filmed with Canon EOS 7D**

Director = Steve Mims – UT Radio-
Television-Film Dept

shot 50% of his 12 minute documentary on
a Canon EOS 7D

the other 50% shot on a Sony Ex-1 profes-
sional camcorder

Reid Nelson – actor / cowriter / producer

Alex Sole – 95 yrs old – first acting job

MAKE A BACKUP COPY OF YOUR VIDEOS

ALWAYS HAVE 2 COPIES
OF YOUR TREASURED
PHOTOS & VIDEOS

IN ADDITION TO YOUR COMPUTER'S
HARD DRIVE – YOU SHOULD HAVE A
COPY OF YOUR FILES STORED IN A
SEPARATE LOCATION

EXTERNAL HARD DRIVE – 250 GB UP TO
1 TB

THUMB DRIVE – 2 GB to 8 GB or more

DVD-R – holds 4 GB

CD-R – holds 700 MB

MOVE VIDEO FILES TO A SEPARATE FOLDER

Video files will have a symbol of a movie camera on the thumbnail

Double click to play the video clip

If it is not good – DELETE IT – because these files take up a lot of storage space!

1 photo = 1 to 3 MB

2 minute video = 150 MB

Move the video files you want to keep to a separate folder

** YOU CAN'T EMAIL VIDEO CLIPS UNLESS YOU HAVE WORKED WITH THEM IN **WINDOWS MOVIE MAKER** OR **iMOVIE** FOR MAC

GET IN THE HABIT

TAKE GOOD VIDEO (USE MONOPOD, RECORD
5 SECS BEFORE AND AFTER)
ORGANIZE FOLDERS ON YOUR COMPUTER
(VIDEO CLIPS – UNEDITED)
TRANSFER VIDEO FROM CAMERA TO COM-
PUTER
WATCH VIDEOS
DELETE THE BAD ONES
RENAME THE GOOD ONES
CREATE MOVIE – ADD BLACK FRAME, ADD TI-
TLE
TRIM THE VIDEO CLIPS, ADD TRANSITIONS
EXTRACT AUDIO, ETC.
SAVE AS FULL QUALITY MOVIE (VIDEOS – FIN-
ISHED) FOR DVD
SAVE AS WEB SIZE – (YOUTUBE, IPHONE, ETC.)
SHARE – ATTACH TO EMAIL, BURN TO DVD,
UPLOAD TO YOUTUBE
BACKUP FILES TO EXTERNAL HARD DRIVE

VIDEO EDITING SOFTWARE - WINDOWS

Windows Movie Maker – FREE

Picasa for Windows – FREE

Link to Picasa SIG meeting notes from
Barbara Resnick:

<http://www.sctxca.org/suncity/clubs-groups/sites/computer/sigs/picasa/meeting-notes/100325screenvideocaptures.htm>

ProShow Gold 4.1 - \$70

Photodex Corp. (Austin company)

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

Ray Wright teaches classes on it and
leads a ProShow Gold SIG

Pinnacle Studio 14 - \$50 - \$100

<http://www.pinnaclesys.com>

APPLE EDITING PROGRAMS

iMovie and iDVD '09 – FREE

iMovie '06 – I prefer – FREE DOWNLOAD

<http://support.apple.com/downloads/#iMovie%2006>

Picasa for Mac

Final Cut Express 4.0

Final Cut Pro

Fotomagico (similar to ProShow Gold)

VIDEO TERMS

Clip = a piece of media of any type such as audio, video, images, animation or artwork

Scene = an edited portion of a video containing one or more clips and transitions

Transition = an effect used in between scenes such as cut, fade, dissolve or swipe.

Storyboard = area where video clips (represented by thumbnails) are assembled and rearranged

Timeline view = “detail” view for editing video and music

Panels = large boxes in the storyline that hold the video clips.

YOUTUBE OR VIMEO VIDEO SHARING WEBSITES

You must login and be a member of these websites in order to upload your videos or save ones you've seen as favorites.

Videos can be up to 1 GB in size and 10 minutes long for YouTube

Slideshows created with music from your CD or iTunes music collection will usually be rejected by YouTube due to copyright/licensing issues. (OK to share with family on DVDs but not for uploading to the web)

VIDEO SHARING WEBSITES

www.vimeo.com

www.youtube.com

VIDEO RESOURCES & INFO

Gregg Burger – Precision Camera & Video
– Austin www.precision-camera.com/

Chris Hurd - www.dvinfo.net

Barbara Resnick – Picasa Sig Meeting
Notes -
<http://www.sctxca.org/suncity/clubs-groups/sites/computer/sigs/picasa/meeting-notes/100325screenvideocaptures.htm>

ProShow Gold – Ray Wright - classes and
SIG.
www.photodex.com (website – online tutorials)