



# TECH CLASSES

## Preserve your Pictures, Home Movies and Slides

Instructor: Chris

Digital Media Specialist

Arlington Heights Memorial  
**LIBRARY** ▶



Preserve your Pictures,  
Home Movies and Slides

# Digitize

dig·i·tize

convert (pictures, text, or sound) into a digital form that can be processed by a computer.

*"the museum has used a grant to digitize its manuscript collection"*

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# Photos and Slides

What materials will you need?

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# 1. Your Originals

**Flash Drive**



**External Hard Drive**



**CD or DVD**



## 2. Digital Storage



HP Envy 7855 All-in-one \$230



Epson Perfection V600 \$230

### 3. Equipment & Software



Logan Light Pad \$60



Epson FastFoto \$600

### 3. Equipment & Software



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# Photos and Slides

What do you need to know?

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# File Types

## JPEG



- great for creating smaller file sizes for uploading on the internet, or for use with e-mail

File size about 0.7 - 15 MB

## PNG



- is a good choice for storing line drawings, text, and iconic graphics at a small file size
- Can have transparency.

File size about 0.7 - 15 MB

## TIFF



- great for archiving images when all detail must be preserved and file size is not a consideration

File size about 4 - 85 MB

# Image Quality

PPI = Pixels Per Inch

*sometimes called DPI (Dots Per Inch)*

**300 PPI** – best for photos

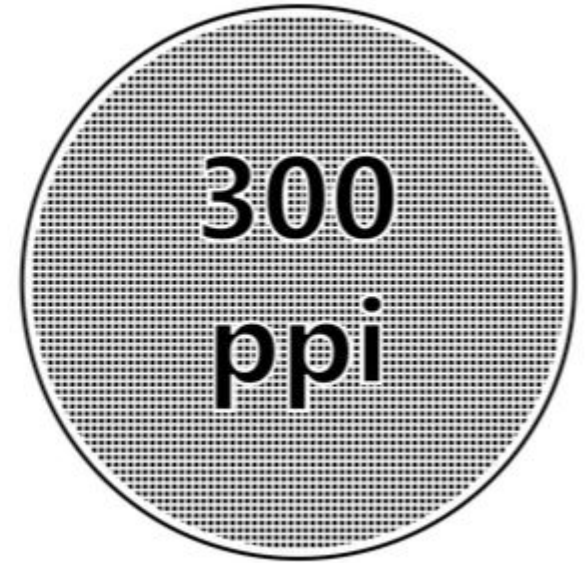
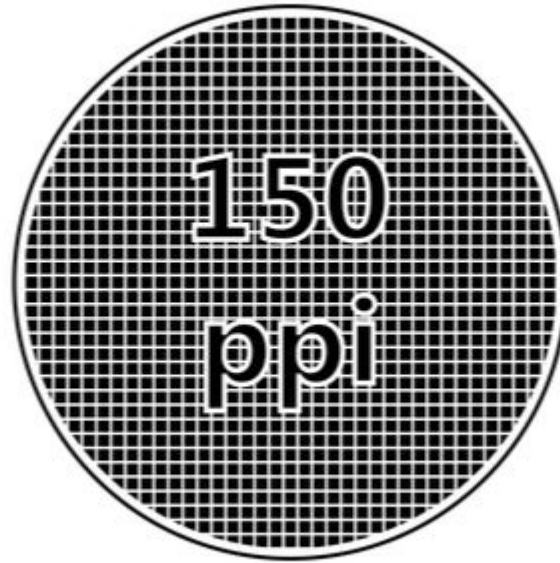
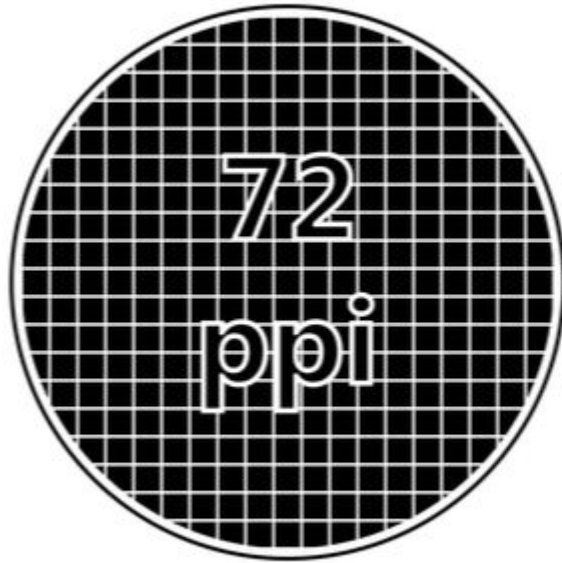
**600 PPI** – best for enlarging photos

**2400 PPI** – best for slides and film

Higher PPI = larger file size & longer scan time



# Quality Comparison





# Quality Comparison

**300 PPI**

401 kB



**600 PPI**

1.1 MB

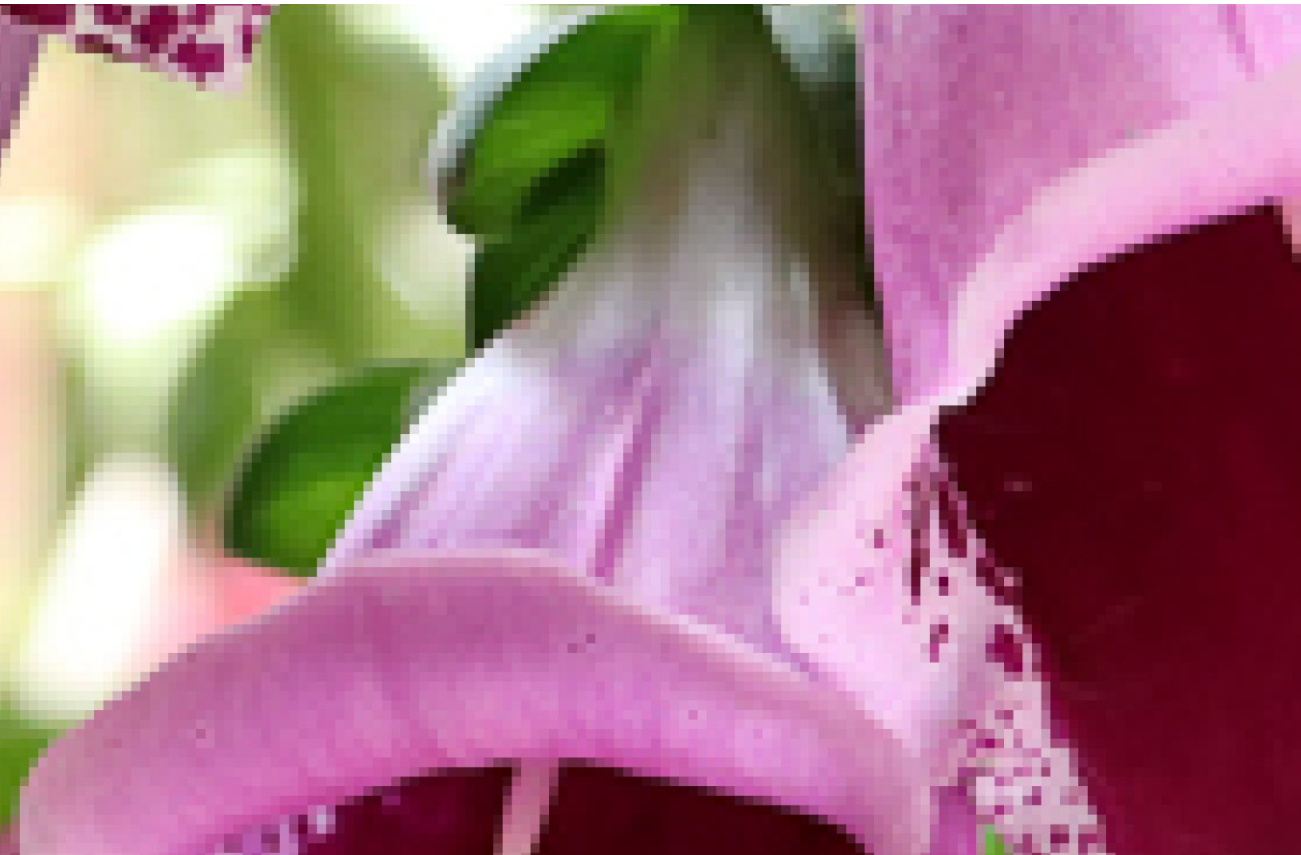




# Quality Comparison

**300 PPI**

401 kB



**600 PPI**

1.1 MB



# Quality Comparison

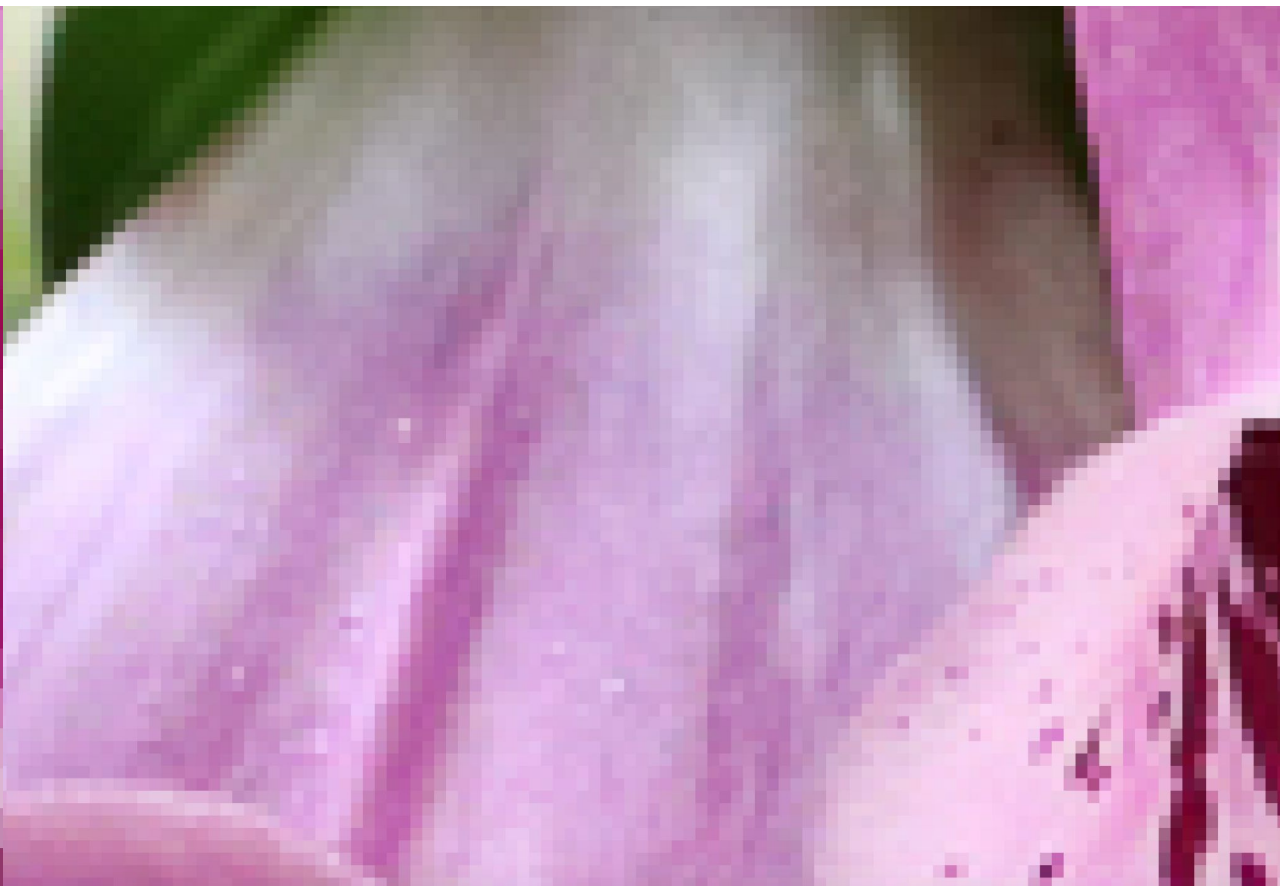
**300 PPI**

401 kB



**600 PPI**

1.1 MB



## Flash Drive



## External Hard Drive



## CD or DVD



Which is best?



## Flash Drive

- Up to 1TB (1000GB)
- Very Portable

## External Hard Drive

- Up to 16TB (16,000 GB (depending on the model)
- Slightly less portable

## CD or DVD

- Up to 4.7 GB
- Store at most 8 hours\*
- Less compatible

# Which is best?

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# Home Movies

What materials will you need?

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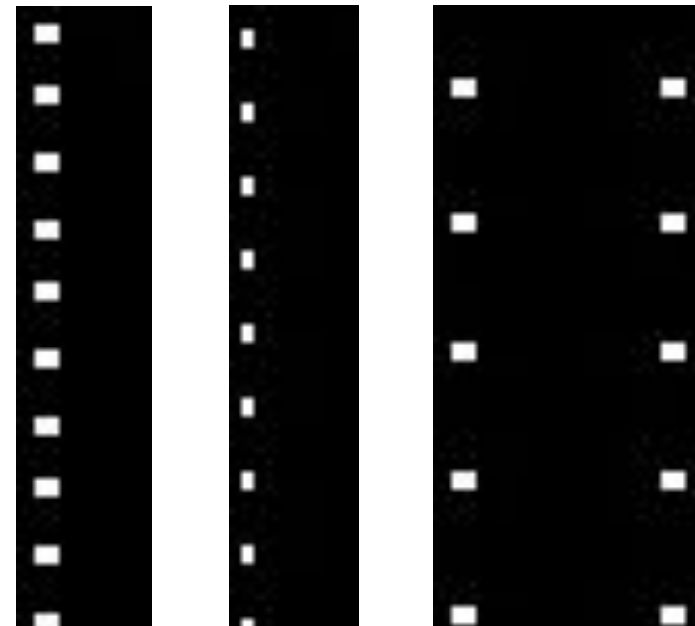
## VHS & VHS-C



## Video8, Hi8, MiniDV



## 8mm, Super8, 16mm



# 1. Your Originals

**Flash Drive**



**External Hard Drive**



**CD or DVD**



## 2. Digital Storage



Elgato Video Capture \$90



Player or Recorder



Audio and Video Cables

# 3. Equipment & Software

# File Types

## MP4

- Both produce video of equal quality and size
- MOVs work better with Apple devices
- MP4s are more universally compatible



## MOV



# Video Quality

## Resolution

**360p** – approximate VHS quality

**480p** – max DVD quality

**720p/1080p** – High Definition

Higher Resolution = larger file size







360p



720p



## Flash Drive



## External Hard Drive



## CD or DVD



Which is best?

## Flash Drive

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## External Hard Drive

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## CD or DVD

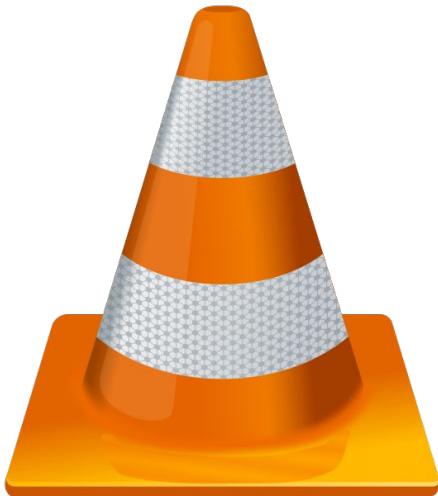
- Up to 4.7 GB
- Store at most 8 hours\*
- Less compatible

# Which is best?

# Apps for Videos

## VLC

- A video media player that can play a variety of video file types.



## Handbrake

- Open source Video Transcoder





# [www.WalgreensDVDTransfer.com](http://www.WalgreensDVDTransfer.com)



## Videotapes

**Accepted media formats:** Betamax, VHS/SVHS, VHS-C, 8mm, Hi8, Digital8, MiniDV, Micro/Mini

**DVD:** \$24.99 per videotape + \$9.99 per DVD

**Blu-ray:** \$24.99 per videotape + \$19.99 per Blu-ray

[Find a store](#)

[Get started](#)



## Movie Films

**Accepted media formats:** 8mm, Super 8, 16mm

**DVD:** \$19.99 per 50' of film + \$9.99 per DVD

**Blu-ray:** \$19.99 per 50' of film + \$19.99 per Blu-ray

[Find a store](#)

[Get started](#)

## Photos

**Accepted media formats:** Photo prints, slides, negatives

**DVD:** \$0.59 per photo + \$9.99 per DVD

**Blu-ray:** \$0.59 per photo + \$19.99 per Blu-ray

**USB:** \$0.59 per photo + \$19.99 per USB

\*Minimum of 30 photos per order



[www.LegacyBox.com](http://www.LegacyBox.com)



## STARTER

Up to 3 Tapes or 3 Films  
or 3 sets of 25 Pictures

OR MIX & MATCH \*

\$59.98



## FAMILY

Up to 10 Tapes or 10 Films  
or 10 sets of 25 Pictures

OR MIX & MATCH \*

\$279.98



## CLOSET

Up to 20 Tapes or 20 Films  
or 20 sets of 25 Pictures

OR MIX & MATCH \*

\$559.98

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# THE STUDIO

## Flatbed Scanner

- Scan photos, slides, and film
- About 30 seconds per photo
- Call 847.392.0100 and ask to reserve **Studio A** or **Studio B**



## Batch Slide Scanner

- Scan 35mm slides
- About 2 seconds per slide
- Call 847.392.0100 and ask to reserve the **Batch Slide Scanner**





# THE STUDIO

## \*ScanSnap Scanner\*

- Scans books, multiple business cards, photos, newspaper clippings or other documents in one scan.
- Automatically cropping and rotating the scanned images
- Call 847.392.0100 and ask to reserve **Studio A**



# THE STUDIO

## **\*VHS Conversion Kit\***

- VHS, VHS-C, Video8, MiniDV\*
- Real Time
- Call 847.392.0100 and ask to reserve the **VHS Conversion Kit**



\*Must be an Arlington Heights Resident\*

## **\*Reel-to-Reel Film Kit\***

- 8mm, Super8, 16mm\*
- Real time
- Call 847.392.0100 and ask to use the **Reel-to-Reel Film Conversion Kit**



\*Must be an Arlington Heights Resident\*

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# LIBRARY OF THINGS

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## \*VHS to Digital Converter

- VHS
- Real Time
- Call 847.392.0100 and ask to place a hold the **VHS Digital Convertor**



\*Must be an Arlington Heights Resident\*





## \*Digital Film Scanner

- Scans 35mm, 126, 110, Super 8 and 8mm negatives.
- Call 847.392.0100 and ask to place a hold on the **Digital Film Scanner**



\*Must be an Arlington Heights Resident\*



## \*Document & Photo Scanner

- Scans double-sided, color and black and white documents.
- 20-page capacity auto document feeder.
- Call 847.392.0100 and ask to place a hold on the **Document & Photo Scanner**



\*Must be an Arlington Heights Resident\*

## Upcoming Classes:

- *Design It: Mother's Day Cards and Bookmarks* May 5th
- *Genealogical Gold in the DAR Digital Resources* May 7th

Thank you!

If you need additional help feel free to  
stop by the tech desk or set up a 1:1 at  
<https://www.ahml.info/virtualhelp>