

A thick black L-shaped frame is positioned on the left and bottom edges of the slide, framing the central text.

# HISTORY OF DIGITAL IMAGING

From the tin type to Photoshop

# Although clunky, the earliest instant camera was the Nordark

- Developed in 1899, the Nordark was a tin type camera that boasted “A Finished Picture in a Minute.”
- It was a wooden box that housed metal plates known as tin types.
- It held 26 2 ½ x 3 ½ inches plates
- The photographer could turn a knob to advance to the next plate.
- Once all plates had been shot, the photographer could develop the plates with the chemicals included in the camera kit.

# Nordark Camera



# The Instant Camera

- In 1948 Polaroid introduced the Land Camera Model 95 as the world's first instant camera.
- Named after its inventor, Edwin Land
- It used roll film and produced a 3 ¼ X 4 ¼ inch prints in only 60 seconds
- After exposure, the film was drawn through rollers to spread the developer evenly across the surface to process the print.



Land Camera 95, 1948

# Swinger Model 20 Land Camera

- This camera from Polaroid was made out of plastic instead of metal, making it more affordable and easier to carry
- It was geared towards the teenage market and was accompanied by television advertising
- With the pull of a tab after taking the photo, the wait was 60 second until the image was ready
- It cost \$19.95

# Swinger Model 20 Land Camera



<https://www.youtube.com/watch?v=h7k2uwJmwxo>

# Sony Mavica MVC-5000

- Developed in 1989, the Mavica was used to transmit still images to the Sony DIH (digital image handler) over telephone lines
- Shortly after the camera's introduction, it was used by CNN to avoid Chinese censors and deliver images of the Tiananmen Square student protests.

# Sony Mavica



# Image of Tiananmen Square using the Sony Mavica



# Sasson Digital Camera

- Invented by Kodak engineer, Steve Sasson in 1977
- Reported as "A handheld electronic still camera and its playback unit."
- .01 Megapixels black and white image
- Camera weighed 8 pounds!
- Took 23 seconds to record an image to be read from the tape to the stand alone unit for display on a tv screen.
- Eastman Kodak claimed the first digital camera patent in 1978

# Sasson Digital Camera



# Kodak Visitor Center Rochester, NY



# Kodak DCS (Digital Camera System)



NikonWeb.com

# Kodak DCS

- Eastman Kodak offered the first professional DSLR in 1991.
- It consisted of a Nikon F3 body fitted with a module containing a Kodak-designed charged coupling device (CCD) and a separate digital storage unit (DSU)
- The DCS was meant for journalists who needed rapid image dissemination for deadlines.
- 1 Megapixel
- Cost was \$20,000!

# Kodak Dc40

## Apple QuickTake 100

- Partnered with Apple who branded their version the Apple QuickTake 100
- Produced images 640 X 480 pixels with 1 megabyte of internal storage
- Color images!
- Retail price was just under \$1,000

# QuickTake 100



# Image Taken by the Apple QuickTake100



George Eastman House, Rochester, NY 2019

# Dycam Model 1

- Considered the world's first digital consumer camera.
- It connected to a PC or MAC and provided 32 black and white images at 320 X 240 resolution.
- Retail price was \$995-Remind you of the iPhone cost?

# Dycam Model 1



# Kodak EasyShare DX6490

- Digital zoom camera introduced in 2003
- Professional quality features with 4 megapixels
- First to unite a professional quality zoom lens with an f/2.8 to f/3.7 max. aperture
- Used an image processing sensor, low-light autofocus and an EasyShare system
- 2.2 inch LED screen
- Retail Price was \$499

# Kodak EasyShare DX6490



# Sony A7s III

- Full frame for improved performance in low-light
- More flexible with shallow of depth of field
- 4K video
- 16 bit raw
- 12 megapixels
- Retail Price \$3,499 for the body only

# Sony A7s III



# Canon EOS R5 Mirrorless

- 45 megapixels full frame sensor
- 8K30 Raw and 4K120 10-Bit internal video
- \$4,999 with a 24-105mm lens

# Canon EOS R5 Mirrorless



# First Still Life

## Louis Daguerre, 1837



# First Photograph

Nicephore Niepce, 1826 or 1827



# First Self Portrait Robert Cornelius, 1837



# First Photograph of the Earth from the Moon, 1966



# Oldest Color Photograph, 1855



# First Digital Photo, 1957



# First Photo on Instagram, 2010



