

**S122: HDV and  
Final Cut Pro 5**  
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# S122: HDV and Final Cut Pro 5

- What is HDV?
- HDV Cameras and Decks
- Native vs. Non Native HDV Editing
- The new Final Cut Studio
- Final Cut Studio HDV Demo
- HDV Delivery Options

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A film strip background with a central white rectangle containing the text 'HDV'. The film strip has sprocket holes and frame numbers (21, 22, 23, 24) and labels like 'movie theme', 'D20A', 'D21A', 'D22A', 'D23A'.

# HDV

**What is HDV?**

# What is HDV?

## HD Resolutions

Format	Codec Resolution	Display Resolution
HDCAM SR	1920 X 1080	1920 X 1080
HDCAM	1440 X 1080	1920 X 1080
DVCPRO HD 1080i	1280 X 1080	1920 X 1080
DVCPRO HD 720p	960 X 720	1280 X 720
HDV 1080i	1440 X 1080	1920 X 1080
HDV 720p	1280 X 720	1280 X 720

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# What is HDV?

## HDV Formats

Format	Interlaced or Progressive	Frame Rates
HDV 1080i	Interlaced	60i, 50i
HDV 720p & JVC ProHD	Progressive	24p, 25p, 30p

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# What is HDV?

Long GOP Compression

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# What is HDV?

## Color Space

Format	Color Space
HDCAM SR	4:4:4
HDCAM	4:3:1
DVCPRO HD 1080i	4:2:2
DVCPRO HD 720p	4:2:2
HDV 1080i	4:2:0
HDV 720p	4:2:0
DV	4:1:1

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# HDV Cameras and Decks

## SONY PROFESSIONAL (1080i)



**HVR-Z1U**

**\$5,946**



**HVR-M10U**

**\$3,950**

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# HDV Cameras and Decks

SONY CONSUMER (1080i)



HDR-FX1

\$5,946

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# HDV Cameras and Decks

## SONY CONSUMER (1080i)



**HDR-HC1**

**\$1,999**



**HVR-A1U**

**\$3,500**

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# HDV Cameras and Decks

## JVC PROFESSIONAL (720p)



**JY-HD10U**

**\$3,995**



**CU-VH1**

**\$1,995**

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# HDV Cameras and Decks

## JVC PROFESSIONAL (720p)



**GY-HD100U**

**\$6,295**



**BR-HD50U**

**\$3,359**

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# HDV Cameras and Decks

JVC CONSUMER (720p)



GR-HD1

\$3,499

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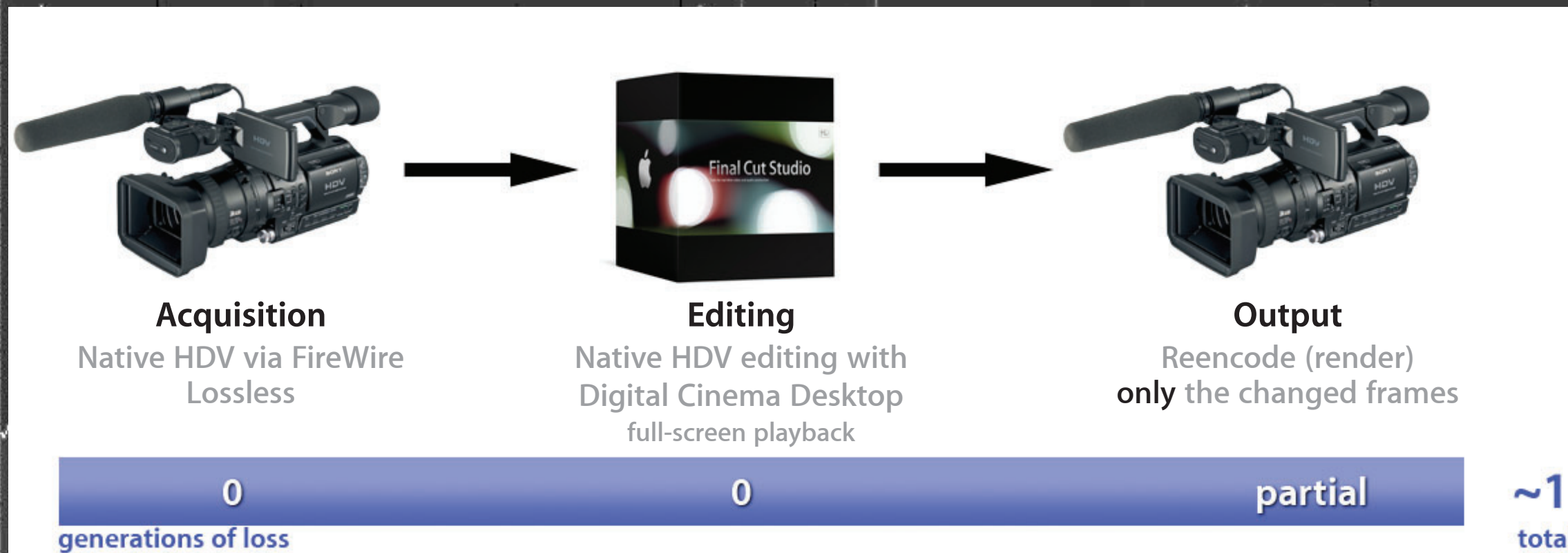
# Native vs. Non-Native HDV Editing

WHAT IS NATIVE EDITING?

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# Native vs. Non-Native HDV Editing

## NATIVE



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# Native vs. Non-Native HDV Editing

## NON-NATIVE



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# The new Final Cut Pro 5

## What's New in Final Cut Pro 5



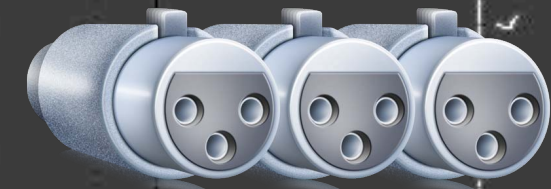
Native HDV



Multicam



Dynamic RT Extreme



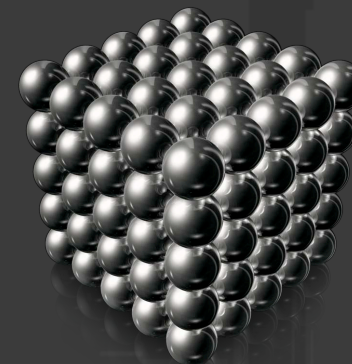
Multichannel Audio



P2 Support



Native IMX



Enhanced Xsan Support



Fit and Finish

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# The new Final Cut Pro 5

## Digital Cinema Desktop



Cost-effective monitoring solution

Video playback on an  
Apple Cinema Display

1:1, RAW, or full screen

SD and HD preview playback

Primary or secondary display  
on desktop computers

Internal PowerBook display or  
play through DVI

JKL playback control

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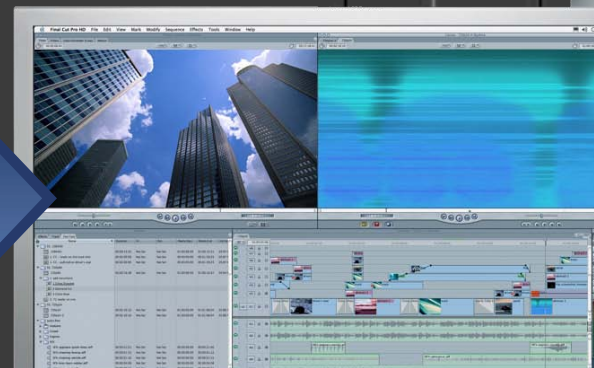
# The new Final Cut Pro 5

## Native Editing

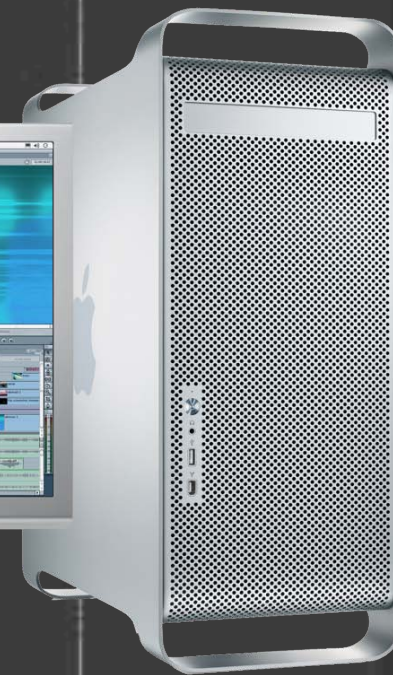
Camera-native  
(DV, HDV, DVCPRO HD)



Shoot



Edit



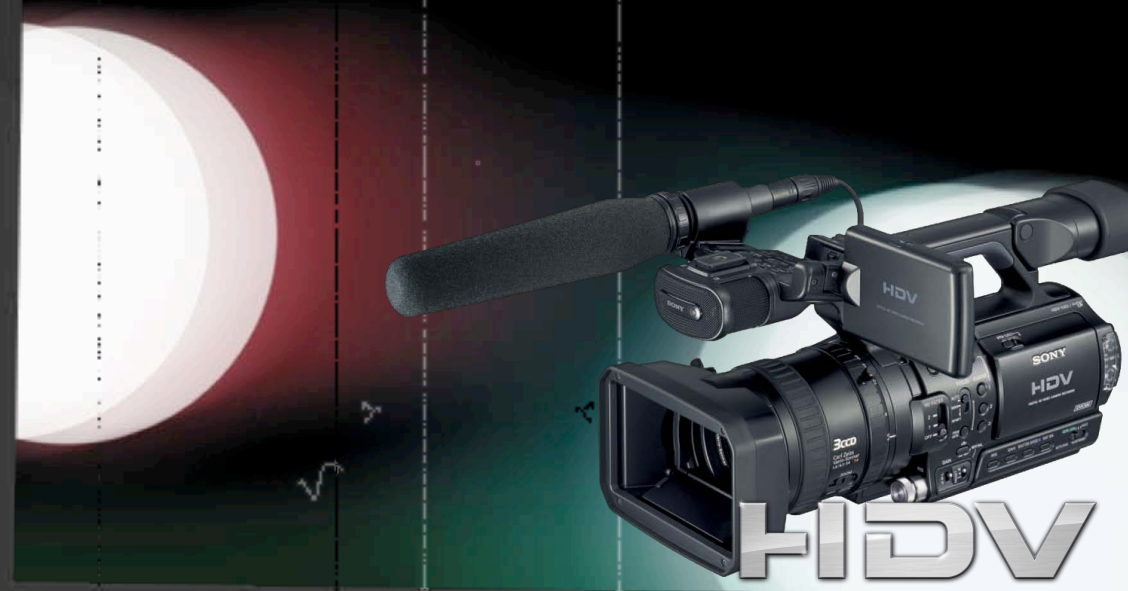
Camera-native  
(DV, HDV, DVCPRO HD)



Output

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Final Cut Studio



# Final Cut Pro 5 HDV Demo

S122: HDV and FCP HD 5.0

# HDV Delivery Options

- DVD (Standard Def)
- HD-DVD (Compressor > H.264 or HD MPEG2)
- HDV (Camera or Deck)
- D-VHS
- Web
- Other HD formats (HDCAM, DVCPRO HD, etc.)

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