

DV and Standard Definition

Size and Format

the international
FILM SCHOOL
sydney

ελληνικά

FRAME ASPECT

4:3

16:9

RESOLUTION

720

4:3

576

16:9

RESOLUTION

720

4:3

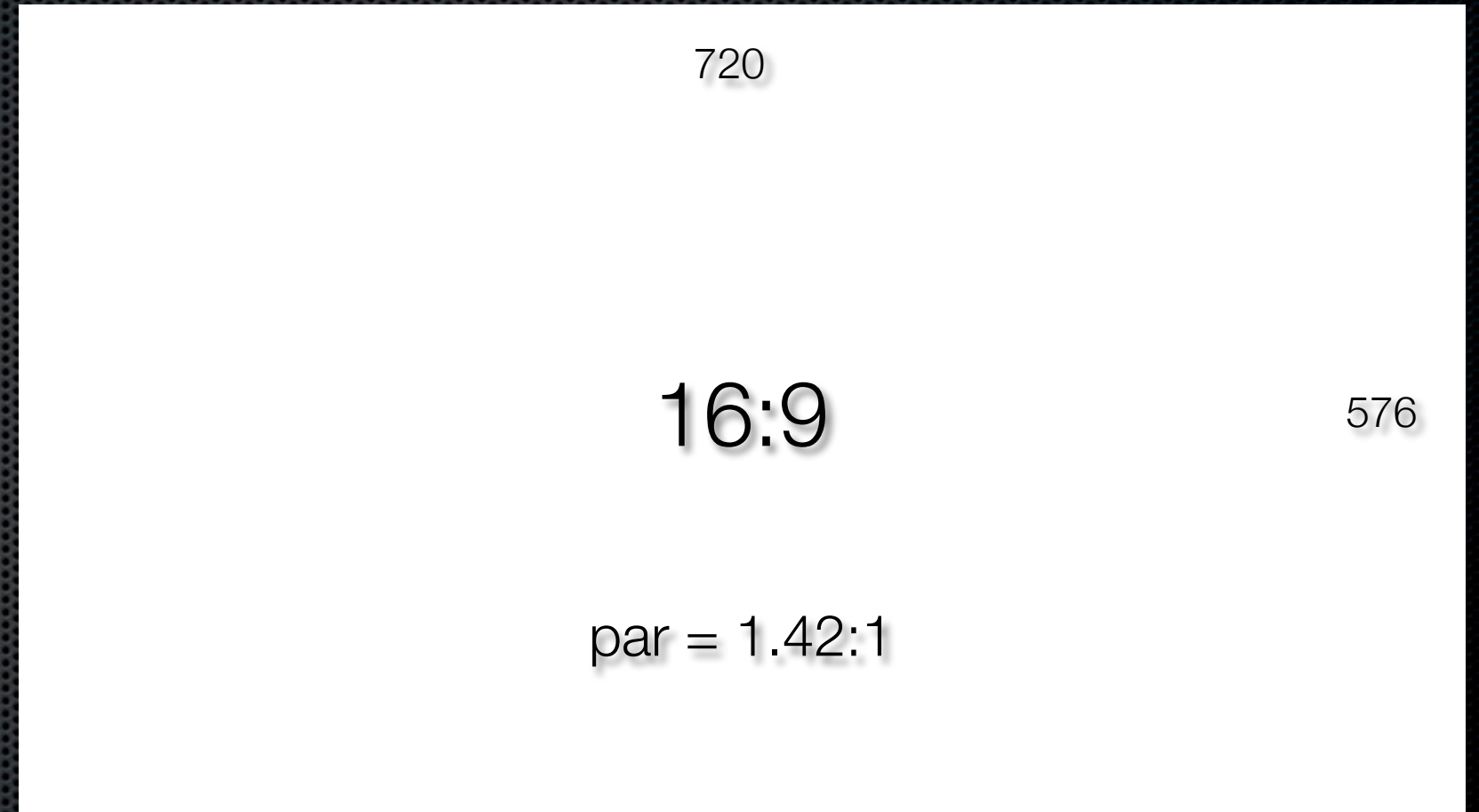
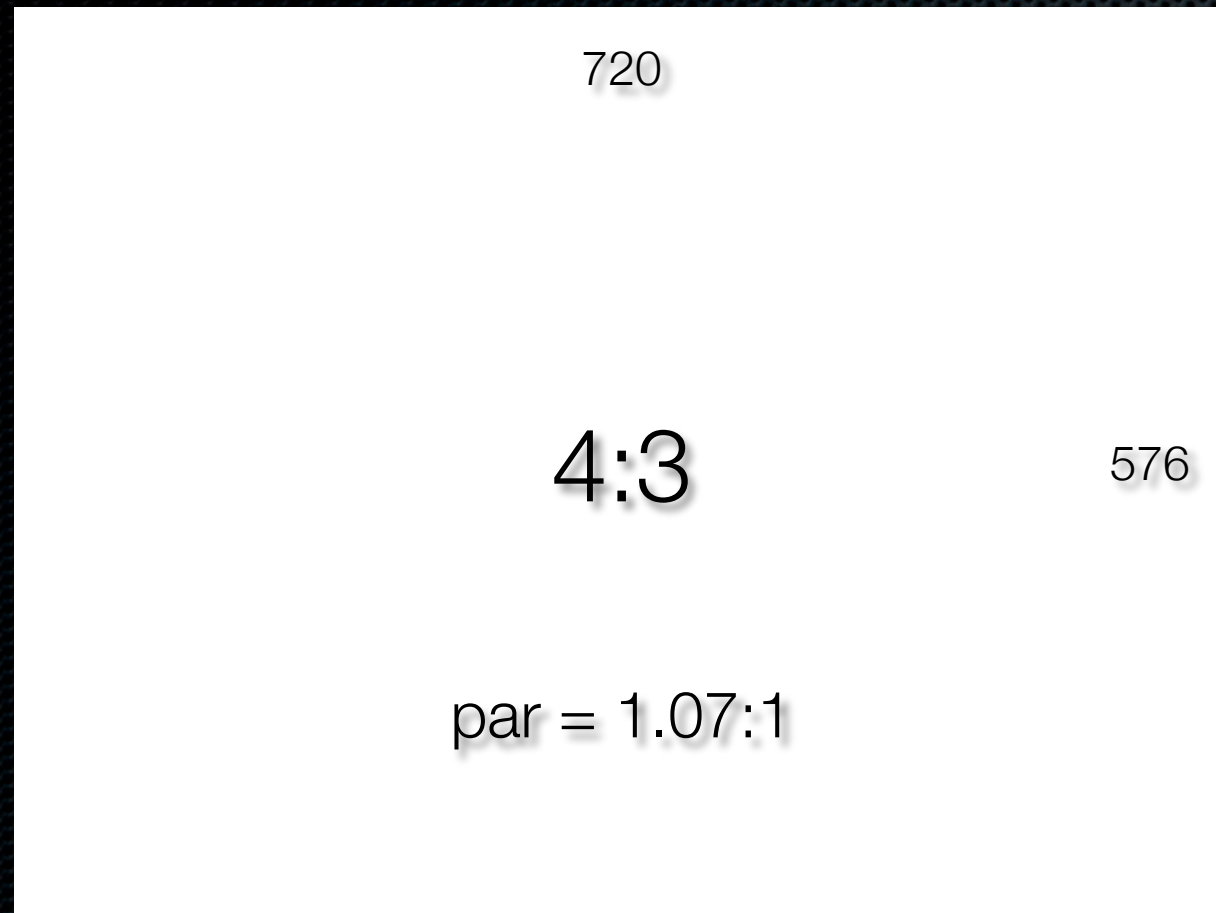
576

720

16:9

576

PIXEL ASPECT RATIO



Anamorphic Stretch = Pixel Aspect Ratio

ANAMORPHIC STRETCH & SQUARE PIXELS



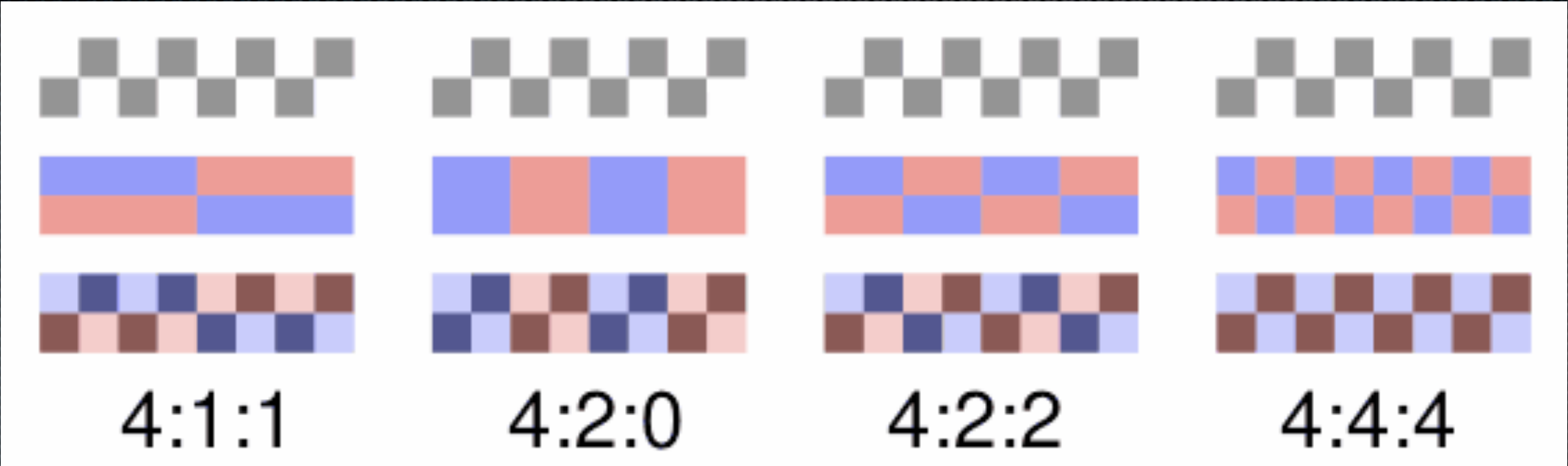
720X576 par 1.07:1 = 768x576 sq pixels



720X576 par 1.42:1 = 1024x576 sq pixels

Anamorphic Stretch = Pixel Aspect Ratio

COLOUR SUB-SAMPLING



THE DV FORMAT

CODEC Compressor/Decompressor

DV = 5:1 Compression

25 fps (frames per second)

25mbps (mega bits per second)

250mb/minute (1gb/4minutes)

Interlaced Image (50i)

4:2:0 colour sampling

Tape-based recording

*.mov or *.avi when captured to computer

CODECS & FILE FORMATS

CODECS (compression & quality)

FILE FORMATS (Wrapper / Skin)

CODECS & FILE FORMATS

the two are Not the same....

CODECS (compression & quality)

DV

Mpeg2

Mpeg1

H.264

DivX

WMV

FILE FORMATS (Wrapper / Skin)

* *.MOV* (*quicktime*)

* *.AVI*

* *.MP4*

* *.MPG*

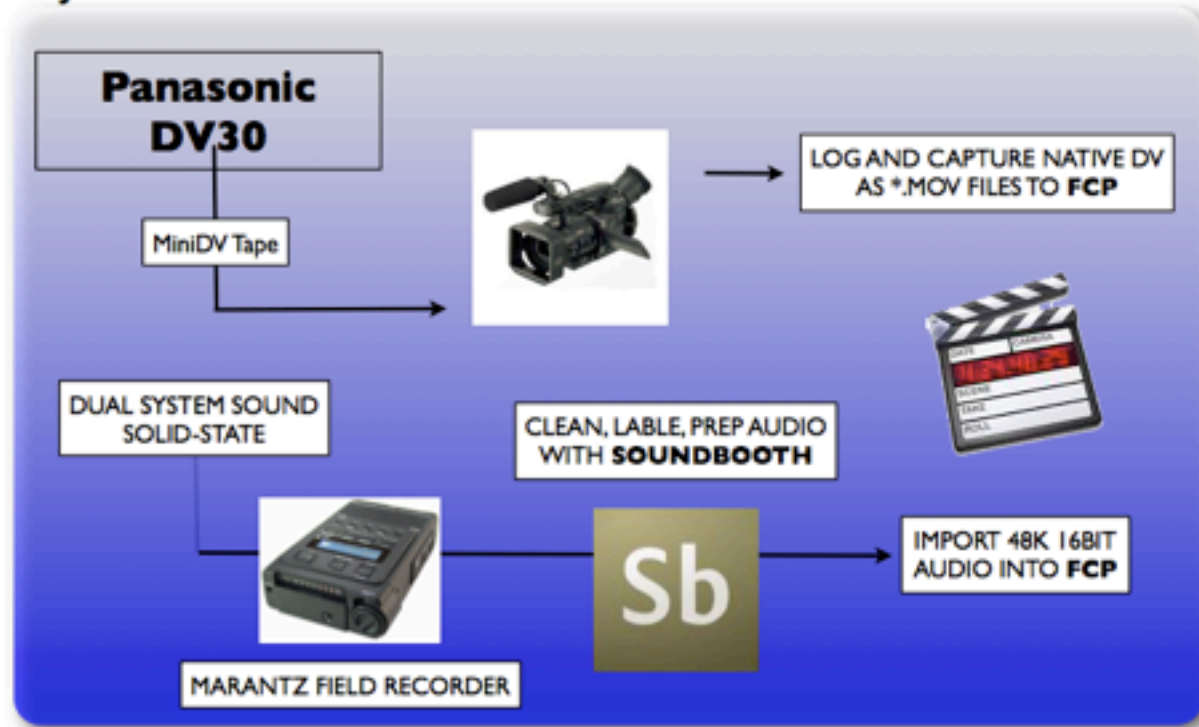
* *.M2T*

* *.MPEG*

IFSS DV Widescreen on-line post-production workflow - Final Cut Pro



INJECT AND PREP



EDITORIAL



FINISHING



LOCKED PICTURE

SOUND



MASTERING AND DELIVERY

