Varicam & EVA1 color grading in ACES
DaVinci Resolve tutorial

- **Easy** and **efficient workflow** to get real, accurate and rich colors from Varicam and EVA1 V-Log image.

- Works for Varicam LT, Varicam 35, Varicam Pure and EVA1 (same ''V-Log '' curve and same ''V-Gamut'' color space)
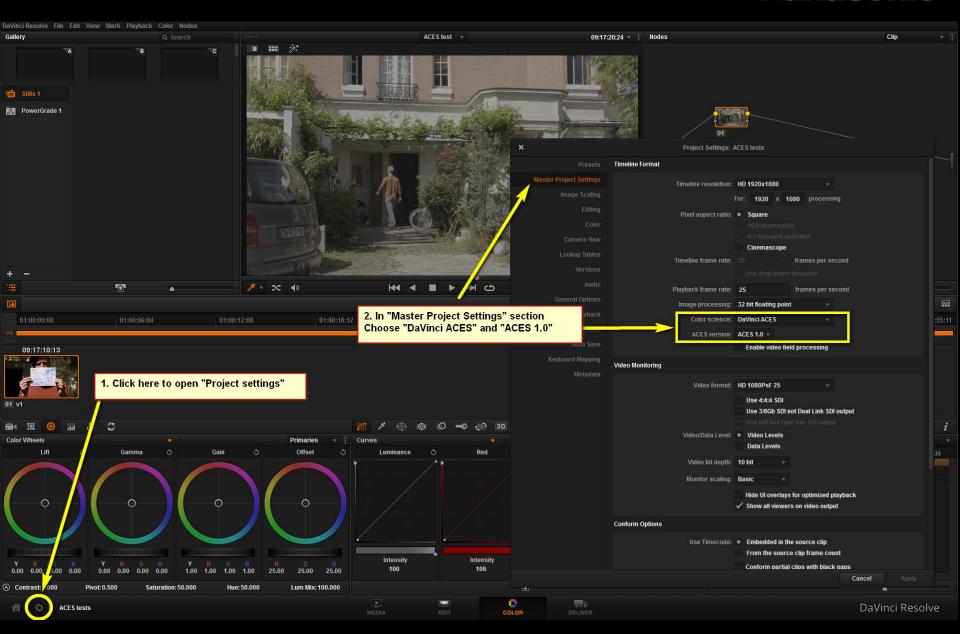

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Panasonic

DaVinci Resolve File Edit View Mark Playback Color Nodes

Gallery   Q Search   ACES test   09:17:20:24   Nodes   Clip

A   B   C

Stills 1

PowerGrade 1

01

Project Settings: ACES tests

Presets

Master Project Settings

Image Scaling

Editing

Color

Camera Raw

Lookup Tables

Versions

Audio

General Options

...yback

...

Auto Save

Keyboard Mapping

Metadata

Timeline Format

Timeline resolution: HD 1920x1080

For: 1920   x   1080   processing

Pixel aspect ratio: ● Square
    16:9 anamorphic
    4:3 standard definition
    ☐ Cinemascope

Timeline frame rate: 25   frames per second
    Use drop frame timecode

Playback frame rate: 25   frames per second

Image processing: 32 bit floating point

2. In "Master Project Settings" section Choose "DaVinci ACES" and "ACES 1.0"

Color science: DaVinci ACES

ACES version: ACES 1.0

☐ Enable video field processing

Video Monitoring

Video format: HD 1080PsF 25

☐ Use 4:4:4 SDI
☐ Use 3/6Gb SDI not Dual Link SDI output
☐ Use left and right eye SDI output

Video/Data Level: ● Video Levels
    ☐ Data Levels

Video bit depth: 10 bit

Monitor scaling: Basic

☐ Hide UI overlays for optimized playback
✓ Show all viewers on video output

Conform Options

Use Timecode: ● Embedded in the source clip
    ☐ From the source clip frame count
    Conform partial clips with black gaps

09:17:10:13

01 v1

1. Click here to open "Project settings"

01:00:00:00   01:00:06:04   01:00:12:08   01:00:18:12

Color Wheels   Primaries   **Curves**

Lift   Gamma   Gain   Offset   Luminance   Red

Y R B   Y R G B   Y R G B   R G B
0.00 0.00 0.00   0.00 0.00 0.00 0.00   1.00 1.00 1.00 1.00   25.00 25.00 25.00

Intensity 100   Intensity 100

Contrast: .000   Pivot: 0.500   Saturation: 50.000   Hue: 50.000   Lum Mix: 100.000

Cancel   Apply

ACES tests   MEDIA   EDIT   COLOR   DELIVER   DaVinci Resolve

Panasonic

DaVinci Resolve   File Edit View Mark Playback Color Nodes

Gallery   ACES test ▾   09:17:20:24 ▾   Nodes   Clip ▾

Q Search

Stills 1

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Project Settings: ACES tests   ✕

Presets   **Timeline Lookup Tables**

Master Project Settings   1D Input Lookup Table: No LUT selected ▾

Image Scaling   3D Input Lookup Table: No LUT selected ▾

Editing   1D Output Lookup Table: No LUT selected ▾

Color   3D Output Lookup Table: No LUT selected ▾

Camera Raw

3. In "Lookup Tables" section, choose   Lookup Tables   ACES IDT: **Panasonic V35** ▾
ACES IDT = Panasonic V35
ACES ODT = Rec. 709 (for grading on your monitor)   Versions   ACES ODT: **Rec. 709** ▾

Audio   1D Video Monitor Lookup Table: No LUT selected ▾

General Options   3D Video Monitor Lookup Table: No LUT selected ▾

Capture and Playback   1D Color Viewer Lookup Table: Use Video Monitor Selection ▾

Control Panel   3D Color Viewer Lookup Table: Use Video Monitor Selection ▾

Auto Save   1D Scopes Lookup Table: Use Video Monitor Selection ▾

Keyboard Mapping   3D Scopes Lookup Table: Use Video Monitor Selection ▾

Metadata

Update Lists

Open LUT Folder

Broadcast Safe

Broadcast safe IRE (mV) levels: -20 - 120 ▾

☐ Make Broadcast safe

Generate Soft Clip LUT

Generate: ⦿ 1D lookup table
☐ 3D lookup table

Generates LU   **4. Click "Apply"**   ▾

Maximum video level: 940   for maximum 10 bit video level

Upper Clipping softness: 0 %

Minimum video level: 64   for minimum 10 bit video level

Cancel   Apply

Color Wheels   Primaries ▾   Curves
Lift   Gamma   Gain   Offset   Luminance   Red

Y   R   G   B   Y   R   G   B   Y   R   G   B   R   G   B   Intensity Intensity   Intensity Intensity
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 1.00 1.00 1.00 25.00 25.00 25.00   100   100   100   100

Contrast: 1.000   Pivot: 0.500   Saturation: 50.000   Hue: 50.000   Lum Mix: 100.000

MEDIA   EDIT   COLOR   DELIVER   DaVinci Resolve
ACES tests