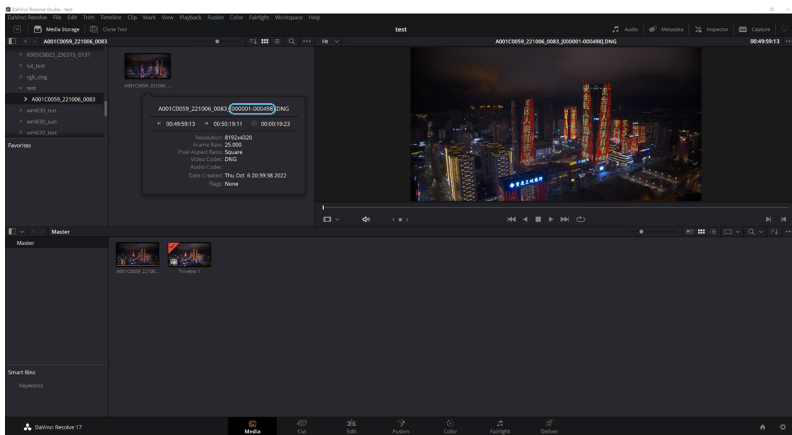# Recommended Workflow for Editing CinemaDNG Files

Using CinemaDNG format can record raw sensor data and save all collected information. During shooting, the D-Log grading preview is available via HD image transmission. When shooting is completed, the CinemaDNG data can be decoded and processed using video editing software, such as DaVinci Resolve. As a result, the file is compatible with footage in other formats or shot by other devices, and can be applied as an industry-standard DI workflow later on.
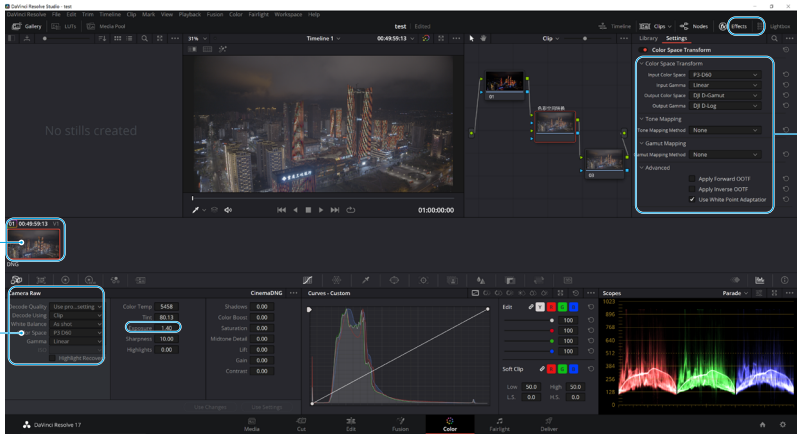
Import

Import CinemaDNG files to the editing software. Open the software and click Media at the bottom. Then click Media Storage on the upper left corner and set to the directory where the original CinemaDNG file is located. The CinemaDNG files in sequential numbers are automatically identified and combined to one file. Add the file to the medial pool and timeline.

Adapt

1. Click Color on the bottom and choose among CinemaDNG video clips.
2. Select Camera Raw. Select Clip in Decode Using. Select P3 D60 in Color Space. Select Linear in Gamma. Select 1.4 in Exposure.
3. Click Effects on the upper right corner. Select Color Space Transform, click and hold, and then drag it out to create a node. Select P3 D60 in Input Color Space. Select Linear in Input Gamma. Select DJI D-Gamut in Output Color Space. Select DJI D-Log in Output Gamma. Select None in Tone Mapping Method. Keep the default values for the rest of the settings.

   It is recommended to keep editing under D-Log color space for video clip with wider dynamic range and color gamut. The user can also use curves and color wheels to adjust the color tone.
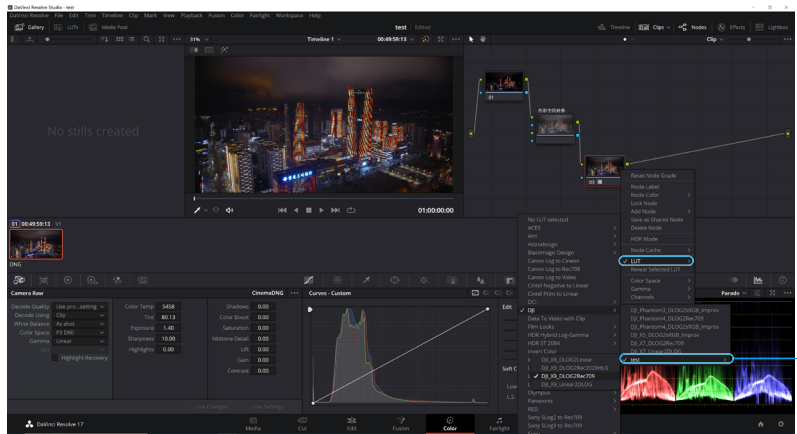
4. If the tonal range of most scenes are largely midtones, the user can change the settings and work under Rec.709 color space. Add a new node after color space of the current node is transformed. Select DJI_X9_DLOG2Rec709 in LUT and file will be transformed to Rec.709 color space.

   Experienced colorists can also select Arri Alexa LogC to Rec709 or others based on their preferences.

☼ • However, using LUT may cause a color value overflow and loss of highlight details. Therefore, depending on different files, the user should use the feature appropriately.
   • It is recommended to transform color space in the editing software, as it will not reduce color accuracy.