

## Gamut / Gamma Transfer 3D LUT (3D Look-Up Table), Version 1.0

- LUT category

Viewing LUT

- LUT overview

A 3D LUT that converts from Cinema Gamut/DCI-P3+/BT.709 gamut and Canon Log gamma

- File format

.cube format (compliant with the 3D LUT format for Blackmagic Design DaVinci Resolve)

- Applicable models

EOS C500, EOS C500 PL

Note:

These LUTs can be applied to 3G-SDI (x2), Monitor out (x2) and RMF files as viewing LUTs.

- 3D LUT types

Input gamut	Input gamma		Output gamut	Output gamma	Grids
Cinema Gamut	Canon Log	→	BT. 709	BT. 709 (Gamma 2.2)	17, 33, 65
Cinema Gamut	Canon Log	→	BT. 709	Wide DR	17, 33, 65
Cinema Gamut	Canon Log	→	DCI-P3	DCI (Gamma2.6)	17, 33, 65

DCI-P3+	Canon Log	→	BT. 709	BT. 709 (Gamma 2.2)	17, 33, 65
DCI-P3+	Canon Log	→	BT. 709	Wide DR	17, 33, 65
DCI-P3+	Canon Log	→	DCI-P3	DCI (Gamma2.6)	17, 33, 65
BT. 709	Canon Log	→	BT. 709	Wide DR	17, 33, 65

- Explanation of the data format

Example: 17 Grid version

Lines beginning with the pound sign (#)

```
LUT_3D_SIZE 17
LUT_3D_INPUT_RANGE 0.0 1.0
```

```
0.000000 0.000000 0.000000
0.000026 0.000000 0.000000
0.079094 0.000000 0.001118
0.205855 0.000250 0.000000
:
:
```

Comments about the 3D LUT file

Table size (17 x 17 x 17)  
Data range (minimum: 0.0, maximum: 1.0)

Data (R G B, red fastest)