

## 動画ディスプレイ DP-V1710 ファームウェア Version 1.1

### ファームウェアの変更内容

このファームウェア（Version 1.1）は、以下の機能追加と性能向上を盛り込んでいます。

1. "EOS C700 / EOS C700 GS PL"から出力された 4K RAW 映像の映像を確認することが可能になりました。
2. アナモフィックレンズを使って撮影した映像を、元のアスペクト比にデスクイーズして映像を確認することが可能になりました。
3. "EOS C700 / EOS C700 GS PL"の全出力信号から、カメラのメタデータ情報を取得し、画質設定値と連動させた切り替えや情報を表示することが可能になりました。
4. "EOS C300 Mark II"の従来の RAW 信号に加え、その他の出力信号のカメラメタ情報を取得し、画質設定値と連動させた切り替えや情報を表示することが可能になりました。
5. 「User LUT」に、ARRI 社製シネマカメラ用 LUT「ARRI LUT 2020 PQ 1K」、「ARRI LUT 2020 PQ 2K」を追加しました。
6. 次世代放送規格 ITU-R BT.2100 の ICtCp 色空間の映像を確認することが可能になりました。
7. 4K/2K 映像表示時、1 画面を左右に分割して、HDR/SDR(Standard Dynamic Range)比較など異なる画質を確認することが可能になりました。
8. 4K 映像を縮小して、左右 2 画面表示し、HDR/SDR 比較など異なる画質を確認することが可能になりました。
9. 2K 映像を左右 2 画面表示し、HDR/SDR 比較など異なる画質を確認する機能の使い勝手を向上しました。
10. 「フォルスカラー」に、HDR 映像方式「SMPTE ST 2084 (PQ)」と「Hybird Log-Gamma」の表示に対応しました。
11. 「カラーガマット」が ITU-R BT.2020 の設定で映像表示中に、ITU-R BT.709 で表現できない色を着色表示する機能を追加しました。
12. 「波形モニター」に、「Hybird Log-Gamma」と「ST 2084 (PQ) Full」「ST 2084 (PQ) Limited」のスケール表示を追加しました。
13. 「カラーレンジ」に、「SDI フル」（黒レベル：4、白レベル：1019、10-bit）を追加しました。
14. 「電源ランプ/本体ボタン LED 設定」を追加しました。
15. 「設定プロテクト」の「プロテクト対象」に、「ファンクション設定」を追加し、ファンクション設定動作を有効/無効にすることが可能になりました。
16. 入力解像度が 4096 x 2160 の映像を縮小して、全画面表示をすることが可能になりました。
17. インモニターディスプレイ表示を設定時に、任意の文字列を表示することが可能になりました。
18. 「ガンマ」が「SMPTE ST 2084 (PQ)」を設定時、「カラーレンジ」のオート動作を設定に応じて変更するよう修正しました。
19. SD-SDI 信号に対応しました。
20. 「チャンネル設定」の「音声端子」の設定項目に、「オート」を追加しました。
21. MultiView (Dual/Quad) 設定時に、画面キャプチャが可能になりました。
22. 「ファンクションボタン」の長押しで、登録画面へ遷移することが可能になりました。
23. 「チャンネルボタン」の長押しで、リストを表示することが可能になりました。

- 24.「ピクチャーモード」の「User1-3」、「CH（チャンネル）4-9」に、初期設定を追加しました。
- 25.「カラーガムット」に、「Preset Gamut 1 to 709」「Preset Gamut 1 to 2020」「Preset Gamut 1 to DCI」  
「Preset Gamut 2 to 709」「Preset Gamut 2 to 2020」「Preset Gamut 2 to DCI」を追加しました。
- 26.「ガンマ」に、「Preset Log 1」「Preset Log 2」を追加しました。
- 27.「ガンマ」の「Gamma LUT 1～8」を選択時、HDR レンジの調整が可能になりました。
- 28. その他、動作不備の修正及び動作性能の改善を行いました。

今回ご案内のファームウェア Version 1.1 は、Version 1.0 のファームウェアを搭載したディスプレイがアップデート対象となります。ディスプレイのファームウェアがすでに Version 1.1 の場合には、ファームウェアのアップデートを行う必要はありません。

#### ファームウェア変更のための準備

アップデートを行う前に、予め設定項目をエクスポートしておくことをお勧めします。エクスポートした設定内容はアップデート終了後にディスプレイにインポートして設定します。

ダウンロードしたファームウェアのフォルダーの中にファームウェア（ファイル名：update\_dpv1710.rom、ファイルサイズ：18,854,185bytes）と、ファームウェアアップデート手順書（PDF ファイル、5 言語：日本語／英語／フランス語／ドイツ語／簡体中国語）が入っています。ファームウェアの変更作業に入る前にファームウェアアップデート手順書を十分にご確認いただきますようお願いいたします。

ファームウェアの変更を行う場合には以下の機材が必要です。

- 1.ディスプレイ本体
- 2.パソコン
- 3.USB メモリー（FAT16 または FAT32）
- 4.ファームウェア（ダウンロードしたファイル）

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- linux kernel
- SquashFS
- avahi-autoipd
- Newlib(libc)
- busybox
- FUSE
- libxml
- Newlib(libm)
- glibc
- libfuse
- zlib
- JFFS2
- libupnp
- libpng

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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■ glibc, libfuse, avahi-autoipd

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That's all there is to it!

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■ Newlib(libc)

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■ Newlib(libm)

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