

動画ディスプレイ DP-V1710 ファームウェア Version 1.4

ファームウェアの変更内容

このファームウェア（Version 1.4）は、以下の機能追加と性能向上を盛り込んでいます。

1. ブーストモード時の全白輝度とピーク輝度を 600cd/m^2 ※^{1/2} から 1000cd/m^2 ※^{1/2} に向上しました。
2. ローカルディミング動作時の全白輝度とピーク輝度を 300cd/m^2 ※¹ から 600cd/m^2 ※^{1/2} に向上しました。
3. ブースト時及びローカルディミング動作時の黒輝度を 0.001cd/m^2 に向上しました。 ※^{1/3}
4. ファイル形式「.cube」の LUT ファイルを、ディスプレイ本体に直接インポートすることが可能になりました。
5. User LUT に、1D-LUT をインポートすることが可能になりました。また、User LUT(1D-LUT/3D-LUT)処理前後に、映像信号のレンジを変換することが可能になりました。
6. LUT 変換後の波形モニターの表示や比較表示時に HDR 映像と SDR 映像の波形モニターの同時表示が可能になりました。
7. シネマ EOS カメラ※⁴ から Canon Log の映像を SDI/HDMI で出力している際、出力映像のレンジ(フルレンジ/ナローレンジ)に応じて、ディスプレイのカラーレンジ(フル/リミテッド)を自動判定して表示することが可能になりました。
8. 「CDL/User LUT」に、RED Digital Cinema 社製カメラで撮影した映像を HDR(PQ)と SDR に変換する LUT2 種類を追加しました。
9. 「ピクセル値チェック」に、指定したピクセルの xy 色度値と色度図上の座標位置を表示する機能を追加しました ※⁵。
10. 「レンジチェック」に、従来の「オーバーレンジ」と設定した高輝度レンジ部分を着色表示する「ピークレンジ」を追加しました。
11. 「シグナルモニタリング」で検出したエラー履歴を、USB メモリなどの外部メモリにエクスポートすることが可能になりました。また、電源オフ/オンした場合でもエラー履歴を保持することが可能になりました。
12. 「セーフティーゾーンマーカー」のエリアサイズ(幅・高さ)とエリア表示位置(水平・垂直)の設定範囲を変更しました。また、エリアの形に「ボックス(マスク)」を追加しました。
13. 「エリアマーカー2」を追加しました。2 種類のエリアマーカーの設定が可能になりました。
14. 「グリッドマーカー」の「間隔」の設定に、「80%(UHD)~95%(UHD)」を追加しました。
15. 「オーディオレベルメーター」に、チャンネルの並び順と表示位置の変更設定を追加しました。
16. SD-SDI 信号の映像を表示する時、アスペクト比に応じて「16:9」と「4:3」を選択して表示することが可能になりました。また、Payload ID による自動判定で表示することも可能になりました。
17. 入力信号が SD-SDI と HD-SDI で切り替わった際、自動で判定して表示を切り替えることが可能になりました。
18. 「リモート(GPI)」の各 GPI のピンに登録できる機能に、「マーカー1/2/3」「モノクロ」「ブルーオンリー」「レッドオフ」「グリーンオフ」「ブルーオフ」を追加しました。
19. 「フレーム輝度モニター」の HDR/SDR 比率グラフの表示スケールの設定値に、「10%」「5%」を追加しました。
20. Wi-Fi または LAN 接続によるリモート操作時の View 画面のクリック/タッチ操作でピクセル値チェックの位置移動や、Control 画面での調整バーの設定値の直接入力など、Web ブラウザー画面の操作性が向上しました。
21. 本体ボタン名の点灯を常時行う設定を追加しました。
22. Hybrid Log-Gamma(HLG)のシステムガンマのオート時の動作を変更しました。
23. 電力セーブ機能を追加しました。
24. その他、操作性及び表示改善を行いました。

- ※1 輝度値は工場出荷時の標準値であり、保証値ではありません。
- ※2 有償ライセンスの購入が必要です。AC 電源駆動時のみです。
- ※3 全画面を黒で表示した時のみです。
- ※4 シネマ EOS カメラから Canon Log のレンジ選択が可能な機種
C500 Mark II / C300 Mark III(SDI/HDMI ともに対応)
C700/C700 GS/C700 FF (UserLUT 設定、かつ SDI のみ可能)
(2020 年 5 月末時点)
- ※5 カラーガムット「BT.2020」かつガンマ「1.0、2.2、2.35、2.4、2.6、PQ、HLG(HLG RGB 除く)」の場合のみ。

今回ご案内のファームウェア Version 1.4 は、Version 1.3.1 以前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 1.4 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。

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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 | • busybox | • glibc | • JFFS2 |
| • SquashFS | • FUSE | • libfuse | • libupnp |
| • avahi-autoipd | • libxml | • zlib | • libpng |
| • Newlib(libc) | • Newlib(libm) | • wireless_tools | • wpa_supplicant |
| • openssl | • libnl | • RealTek_WiFi_linux driver | |
| • dhcpd | • hostapd | • gzip | |

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from him.

■linux kernel, busybox, SquashFS, JFFS2, FUSE

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Version 2, June 1991

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■glibc, libfuse, avahi-autoipd

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■Newlib(libc)

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