

動画ディスプレイ DP-V2421 ファームウェア Version 1.4.2

ファームウェアの変更内容

このファームウェア（Version 1.4.2）は、以下の修正を盛り込んでいます。

1. TSL UMD protocol を用いた画面上のタリー表示機能が使用できない場合がある現象を修正しました。

尚、Version 1.4.2 は Version 1.4 と同じ機能および性能向上を含んでいます。Version 1.4 で追加された機能と性能向上の内容は以下の通りです。

1. 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。
2. 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。
3. シネマ EOS カメラ^{※1}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。
4. 「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。
5. 「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^{※2}。
6. 「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。
7. 「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。
8. 「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。
9. 「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。
10. 「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。
11. 「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。
12. 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。
13. 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。
14. 「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。
15. 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。
16. 本体ボタン名の点灯を常時行う設定を追加しました。
17. 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。
18. 電力セーブ機能を追加しました。
19. その他、操作性及び表示改善を行いました。

※1 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)

※2 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。

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

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from him.

■linux kernel, busybox, SquashFS, JFFS2, FUSE

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■glibc, libfuse, avahi-autoipd

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■Newlib(libc)

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