

Version de micrologiciel 1.3.1 pour Moniteur vidéo DP-V2410Détails des changements apportés au micrologiciel

Ce micrologiciel (version 1.3.1) comprend les fonctions supplémentaires et les améliorations de performance suivantes.

1. Une fonction a été ajoutée pour permuter automatiquement les réglages de qualité d'image selon la résolution vidéo (4K/2K) et les métadonnées (bit de colorimétrie de l'identification de la charge utile vidéo, type de caméra de cinéma (CINEMA EOS SYSTEM/ARRI/Panasonic) et HDMI). Cela permet un fonctionnement plus pratique et efficace dans les environnements utilisant à la fois HDR et SDR.
2. Une fonction a été ajoutée pour afficher les valeurs de luminosité^{*1} ou les valeurs RVB de la vidéo reçue de l'emplacement de pixels spécifié. Cela permet de vérifier la luminosité du sujet plus en détail.
3. Une fonction a été ajoutée pour afficher les valeurs de luminosité maximale et moyenne^{*1} ou les valeurs de gradation maximale et moyenne ainsi que la transition dans ces valeurs pour l'ensemble de l'image vidéo reçue (trame). Cela permet de vérifier visuellement les changements de luminosité pendant la production vidéo.
4. Une fonction d'affichage comparé a été ajoutée pour permettre l'affichage comparé HDR/SDR et la comparaison ON/OFF pour CDL/User LUT. Cela permet de montrer l'affichage comparé de la qualité d'image gauche-droite d'une simple pression sur un bouton.
5. Une fonction a été ajoutée pour colorier les zones qui correspondent à la plage spécifiée ou plus. Cela permet de vérifier visuellement le degré de luminosité pendant la prise de vue HDR.
6. Une fonction a été ajoutée à « False Color » pour permettre de modifier arbitrairement les positions limites de la plage de coloration de luminosité.
7. Une fonction a été ajoutée à « 2020 Outside of Gamut View » qui colorie les zones en dehors de la gamme de couleurs native du panneau.
8. Les images au motif de test PLUGE et Color Bar pour les signaux HDR ont été ajoutées à « Test Pattern ».
9. Une fonction a été ajoutée pour commander à distance l'affichage au moyen d'un navigateur Web^{*2}. Cela permet d'utiliser un ordinateur, une tablette ou un autre appareil pour vérifier et manipuler la vidéo affichée et les réglages.
10. « 2020 PQ to 2020 SDR », « 2020 PQ to 709 SDR » et « 2020 HLG to 709 HLG » ont été ajoutés à « CDL/User LUT ». Cela permet d'afficher les signaux PQ convertis aux caractéristiques SDR et l'affichage avec la gamme de couleurs de signaux PQ/HLG convertie à BT.709.
11. Les LUT pour les caméras de cinéma ARRI « ARRI (Rec2100-PQ-1K-100) » et « ARRI (Rec2100-HLG-1K-200) » et le LUT pour les caméras de cinéma Panasonic « VARICAM (V-Log to V-709) » ont été ajoutés à « User LUT ».
12. Les affichages d'échelle « Preset Log 1 », « Preset Log 2 », « ARRI (Rec2100-PQ-1K-100) » et « ARRI (Rec2100-HLG-1K-200) » ont été ajoutés à « Wave Form Monitor ».
13. Une fonction a été ajoutée à « Wave Form Monitor » qui colorie les zones en dehors des plages définies par « Color Range » et « HDR Range ». Cela permet de vérifier facilement les zones en dehors de ces plages.
14. Un moniteur de forme d'onde peut désormais être affiché à la fois sur les images de gauche et de droite pendant l'affichage Multivues (double).

15. La gamme du système peut désormais être ajustée entre 1.000 et 1.500 lorsque « Gamma/EOTF » est réglé sur « Hybrid Log-Gamma ».
16. L'opération de réglage automatique dans « Color Range » a été changée en « Full » lorsque « Gamma /EOTF » est réglé sur « Preset Log 1 » ou « Preset Log 2 ».
17. « D65-Custom » a été ajouté à « Color Temperature » pour permettre un réglage précis de la température de couleur D65.
18. L'opération lorsque « Color Range » est réglé sur « Limited » a été améliorée de sorte que les zones trop blanches ou pas assez noires puissent être affichées.
19. L'affichage anamorphique peut désormais être zoomé tel quel.
20. « Gray » sur le réglage de couleur d'affichage des lignes et « Half » sur le réglage de la luminosité ont été ajoutés dans les réglages « Aspect Marker/Safety Zone Marker 1/Safety Zone Marker 2/Area Marker/Center Marker/Grid Marker ». Cela permet un affichage sombre pendant l'affichage HDR.
21. Un réglage de taille d'affichage a été ajouté à « Center Marker/Audio Level Meter ».
22. Le réglage de l'emplacement de l'affichage horizontal, le réglage de la luminosité et les réglages ON/OFF de l'affichage VITC/LTC ont été ajoutés à « Time Code ».
23. Un réglage de format de sauvegarde a été ajouté de sorte que la capture du format JPEG est désormais possible en plus du format bitmap précédent.
24. D'autres améliorations de la performance de l'interface utilisateur et du fonctionnement ont également été apportées.

*1 : Uniquement lorsque « Gamma /EOTF » est réglé sur « SMPTE ST 2084 (PQ)/Hybrid Log-Gamma ». (Non pris en charge lorsque « Gamma /EOTF » est réglé sur « Hybrid Log-Gamma RGB ».)

*2 : Un adaptateur Wi-Fi est nécessaire lors de l'utilisation du Wi-Fi.

Vérifiez la version de micrologiciel sur votre écran. S'il s'agit de la version 1.2 ou antérieure, vous devrez procéder à la mise à niveau vers la version 1.3.1. Aucune action n'est nécessaire si le micrologiciel de l'écran est à la version 1.3.1.

Préparatifs pour mettre à jour le micrologiciel

Il est recommandé d'exporter les réglages actuels avant d'essayer de mettre à jour le micrologiciel. Une fois que le micrologiciel a été mis à jour, les réglages peuvent être réimportés sur l'écran.

Le dossier téléchargé contient le nouveau micrologiciel. (Nom de fichier : « update_dpv2410.rom », taille de fichier : 24,371,278 octets) Il contient également la documentation pour la procédure de mise à jour du micrologiciel (fichier PDF multilingue dans les langues suivantes : japonais, anglais, français, allemand et chinois (caractères simplifiés)). Avant de commencer la mise à jour du micrologiciel, veuillez lire la documentation s'y rapportant.

Les éléments suivants sont nécessaires pour mettre à jour le micrologiciel :

1. Écran
2. Ordinateur personnel
3. Clé USB (FAT16 ou FAT32)
4. Micrologiciel (Le fichier téléchargé)

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■linux kernel, busybox, SquashFS, JFFS2, FUSE

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■glibc, libfuse, avahi-autoipd

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■Newlib(libc)

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■openssl

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