

Version de micrologiciel 1.3.1 pour Moniteur vidéo DP-V2421Détails des changements apportés au micrologiciel

Ce micrologiciel (Version 1.3.1) intègre le correctif suivant :

1. Corrige un phénomène dans la version 1.3 du micrologiciel dans lequel l'unité principale de l'affichage de référence peut redémarrer lorsque la touche de fonction F3 est utilisée.

Vérifiez la version de micrologiciel sur votre écran. S'il s'agit de la version 1.3 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.

De plus, veuillez noter que la version 1.3.1 du micrologiciel intègre des améliorations de performance ainsi que des fonctions équivalentes à celles de la version 1.3 du micrologiciel. Les détails concernant les améliorations de performance et les fonctions de la version 1.3 du micrologiciel sont les suivants.

1. L'affichage de 2 ou 4 images^{*1} des signaux vidéo 4K 12G/6G-SDI et des signaux vidéo 2K 3G/HD-SDI peut désormais être exécuté avec un seul écran.
2. Le compteur de niveau audio de plusieurs périphériques peut désormais être affiché simultanément^{*2} en mode d'affichage de 2 ou 4 images.
3. « Wave Form Monitor » et « Vector Scope » peuvent désormais être affichés simultanément dans les limites de l'écran.
4. La position d'affichage vidéo peut désormais être ajustée au moyen de « Top », « Middle » et « Center » en mode d'affichage de 2 ou 4 images.
5. Les moniteurs de forme d'onde des vidéos HDR et SDR peuvent désormais être affichés simultanément et les moniteurs de forme d'onde après conversion LUT peuvent désormais être affichés en mode « Compare View ».
6. Ajout des réglages de qualité d'image vidéo SDR (réglage du contraste, température de couleur, réglage du gain) dans le mode d'affichage de comparaison HDR/SDR.
7. L'affichage de la comparaison pour quatre LUT d'utilisateurs différents au moyen de « CDL/UserLUT » est désormais possible en mode d'affichage QuadView.
8. Les réglages de qualité d'image de l'écran peuvent désormais être automatiquement permutés par Caractéristiques de transfert (PQ/HLG/SDR), Profondeur de bits et ICtCp de l'identification de la charge utile.
9. La qualité d'image et les réglages des canaux de plusieurs écrans connectés via un LAN peuvent désormais être permutés ensemble.
10. Les réglages peuvent désormais être exportés et importés entre plusieurs modèles différents et via LAN.
11. L'affichage d'avertissement est désormais possible pour les erreurs de signal d'entrée comme aucun signal ou signal non pris en charge et pour un ordre incorrect de connexion de signaux Entrelacement 2 échantillons.
12. L'affichage d'avertissement est désormais possible pour les erreurs CRC des signaux SDI.
13. Lors de l'entrée vidéo 8K (signal Entrelacement 2 échantillons) avec quatre câbles 12G-SDI, il est désormais possible de permuter séquentiellement et d'afficher la vidéo de chaque borne d'entrée à intervalles réguliers, ainsi que d'afficher un avertissement lorsque le signal vidéo d'un périphérique non affiché est incorrect.
14. Ajout d'un réglage qui change l'ordre de tri des périphériques entre ON et OFF en fonction de

l'identification de la charge utile lors de la réception d'un signal Entrelacement 2 échantillons/3G-SDI Dual Link.

15. Ajout de l'affichage « Luminance Graph » qui utilise les gradations pour exprimer la distribution de la luminosité au sein de la luminosité maximale et de l'affichage « HDR/SDR Ratio Graph » qui exprime le ratio de luminosité des zones HDR et SDR à « Frame Luminance Monitor ».
16. Les valeurs de luminosité maximale et moyenne et les time codes obtenus par « Frame Luminance Monitor » peuvent désormais être émis sur une clé USB.
17. L'histogramme du signal de luminosité de la vidéo reçue peut désormais être affiché. En outre, le ratio HDR/SDR et la luminosité maximale et moyenne peuvent être affichés, la zone du signal HDR peut être coloriée avec la même couleur que celle utilisée pour de fausses couleurs, et les zones qui sont dans la plage HDR ou au-delà peuvent être coloriées avec une couleur d'avertissement.
18. L'affichage « False Color » et l'opérabilité ont été améliorés, notamment grâce à l'ajout des réglages de limite de luminosité des zones HDR et SDR et à l'activation du code couleur des zones SDR avec deux couleurs différentes.
19. Ajout d'une fonction qui règle automatiquement le gamma du système de signal HLG en fonction de la valeur du contraste.
20. Ajout des réglages de la taille d'affichage « Large », « Middle » et « Small » au « Wave Form Monitor ».
21. Ajout des réglages de la taille d'affichage « Large », « Middle » et « Small » et du réglage cible « 75+100% » au « Vector Scope ». En outre, ajout d'une fonction qui change l'image cible à la position BT.2020 pendant la réception du signal YCbCr BT.2020.
22. Ajout d'une fonction qui affiche une liste de fonctions lorsque la molette est enfoncée ou déplacée (haut/bas/gauche/droite ou tournée) alors que l'affichage à l'écran est masqué. En outre, une fonction peut être sélectionnée dans la liste des fonctions, et l'écran de réglage détaillé pour cette fonction peut être affiché ou la fonction peut être exécutée en appuyant sur la molette ou en la déplaçant (à droite).
23. Ajout d'une fonction qui ajuste la luminosité de l'affichage à l'écran.
24. Ajout d'une fonction qui permet de régler la luminosité dans « Audio Level Meter ».
25. Ajout des réglages d'affichage comme l'affichage du mode d'image dans « Banner ».
26. Ajout d'une fonction de « Half » dans « Separator ».
27. Ajout d'une fonction qui exécute l'affichage de 2 images pour l'image entière et l'image agrandie lors du zoom.
28. Ajout d'une fonction qui crée un fichier de comparaison HDR/SDR dans « Screen Capture ».
29. Ajout d'une fonction qui établit une connexion Wi-Fi par la méthode du point d'accès.
30. Ajout de fonctions qui effectuent des opérations telles que l'importation de LUT et la configuration d'importation/exportation via Internet au cours de contrôle à distance via une connexion Wi-Fi ou LAN.
31. Ajout du réglage « x1.8 » à « Anamorphic ».
32. Certains TSL ver5.0 Unicode (Japonais/Chinois, etc.) peuvent désormais être affichés dans « In Monitor Display ».
33. Certains réglages par défaut ont été modifiés, tels que les valeurs par défaut du bouton de fonction et le mode User4 « DCI PQ D65 », etc.
34. D'autres améliorations des performances ont été apportées.

*1 : Certaines restrictions d'affichage s'appliquent en fonction de la résolution de la vidéo reçue, de la

cadence des images et de la méthode de transmission, etc.

*2 : 2 ou 4 canaux peuvent être affichés pour chaque périphérique en mode d'affichage de 2 images, et 2 canaux peuvent être affichés pour chaque périphérique en mode d'affichage de 4 images.

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_dpv2421.rom », taille de fichier : 25,191,963 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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Version 2, June 1991

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■Newlib(libc)

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