

视频监视器 DP-V1710 固件版本 1.2.1

固件变更的详细说明

本固件（版本 1.2.1）包含下列新增功能和性能改进。

1. 4K 视频信号现在可以降低至 2K 分辨率以用于 4 画面或 2 画面显示。此外，增加了将 8K 视频降低至 4K 分辨率显示视频的功能，以实现更高效的视频检查。
2. 新增根据视频分辨率 (4K/2K)和元数据 (视频负载 ID 的色度比特、电影摄像机类型(CINEMA EOS SYSTEM/ARRI/Panasonic)和 HDMI)自动切换画质设置的功能。这可以在同时使用 HDR 和 SDR 的环境中实现更实用和高效的操作。
3. 显示器的最高亮度¹*2 现在可以提高到 600 cd/m²。
4. 新增可显示输入视频指定像素位置亮度值³或 RGB 值的功能。这可以更详细地查看被摄体亮度。
5. 新增可显示峰值和平均亮度值³或峰值和平均灰度值以及可显示整个输入视频图像(帧)中这些值的变化功能。这可以在视频制作期间直观地检查亮度变化。
6. 新增比较显示功能，可以进行 HDR/SDR 比较显示和 CDL/用户 LUT 开/关比较。可以通过一个按钮来进行左右画质比较显示。
7. 新增对指定范围或更多的区域进行着色的功能。这可以在 HDR 拍摄期间直观地检查亮度等级。
8. “伪色彩”中增加可以任意调整亮度着色范围的边界位置的功能。
9. “2020 色域外显示”中增加对超出面板原始色域之外的区域进行着色的功能。
10. “测试图案”中增加 HDR 信号用 PLUGE 和 Color Bar 测试图案图像。
11. 新增通过网络浏览器远程控制显示器的功能⁴。可以使用 PC、平板电脑或其他设备来检查和操作显示的视频和设置。
12. “CDL/User LUT”中增加“2020 PQ to 2020 SDR”、“2020 PQ to 709 SDR”和“2020 HLG to 709 HLG”。可以显示转换为 SDR 特性的 PQ 信号和显示转换为 BT.709 的 PQ/HLG 信号色域。
13. “User LUT”中增加 ARRI 电影摄影机 LUT “ARRI (Rec2100-PQ-1K-100)”和“ARRI (Rec2100-HLG-1K-200)”和 Panasonic 电影摄影机 LUT “VARICAM (V-Log to V-709)”。
14. “波形监视器”中增加“Preset Log 1”、“Preset Log 2”、“ARRI (Rec2100-PQ-1K-100)”和“ARRI (Rec2100-HLG-1K-200)”的刻度显示。
15. “波形监视器”中增加对超出“色彩范围”和“HDR 范围”设定范围之外的区域进行着色的功能。可以轻松检查这些范围之外的区域。
16. 现在可以在 MultiView(双画面)显示时在左侧和右侧图像中显示波形监视器。
17. “波形监视器”中增加亮度调节功能²。
18. 当“伽马/EOTF”设定为“Hybrid Log-Gamma”时，现在可以在 1.000 和 1.500 之间调节系统伽马。
19. 当“伽马/EOTF”设定为“Preset Log 1”或“Preset Log 2”时，“色彩范围”中的自动设置操作已变更为“完全”。
20. “色温”中增加“D65 Custom”，以实现 D65 色温的精细调整。
21. 当“色彩范围”设定为“有限”时的操作已被强化，可以显示过白和过黑的区域。
22. 变形显示现在可以按原样缩放。
23. 在“长宽标记/安全区标记 1/安全区标记 2/区域标记/中心标记/网格标记”设置中为线显示色彩设置增加了“灰色”，为亮度设置增加了“一半”。可在显示 HDR 时进行显示暗色。
24. “中心标记/音频电平指示器”中增加显示大小设置。

- 25. “时间码”中增加水平显示位置调整、亮度调整和 VITC / LTC 显示开/关设置。
- 26. 新增保存格式设置，除了之前的位图格式之外，现在可以捕获 JPEG 格式。
- 27. 新增“背光闪光减少”设置，这可以减少在显示具有亮度差异的图像时似乎使用了闪光灯的现象。
- 28. 还强化了其他用户界面和操作性能。

*1: 亮度值为标准出厂值，而不是保证值。

*2: 需要购买付费升级许可证。

*3: 仅限“伽马/EOTF”设定为“SMPTE ST 2084 (PQ)/Hybrid Log-Gamma”时。(当“Gamma /EOTF”设定为“Hybrid Log-Gamma RGB”时不支持。)

*4: 使用 Wi-Fi 时需要 Wi-Fi 适配器。

请检查您的监视器固件版本。如果监视器运行版本为 1.1 或更早的版本，则应该更新为版本 1.2.1。如果监视器的固件为版本 1.2.1，则不需要更新。

更新固件的准备工作

尝试更新固件之前，建议导出当前的设置。更新固件后，可以将设置导回监视器。

下载的文件夹中包含新的固件。(文件名：“update_dpv1710.rom”，文件大小：21,927,579 字节)文件夹中还包含固件更新步骤文件(含以下语言的多语言 PDF 文件：日语、英语、法语、德语和中文(简体字))。更新固件之前，请阅读固件更新步骤文件。

执行固件更新需要以下项目：

- 1. 监视器单元
- 2. 个人电脑
- 3. USB 存储器 (FAT16 或 FAT32)
- 4. 固件 (下载的文件)

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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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