

## 视频监控器 DP-V2411 固件版本 1.1.1

### 固件变更的详细说明

本固件（版本 1.1.1）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. 新增可显示输入视频指定像素位置亮度值\*1 或 RGB 值的功能。这可以更详细地查看被摄体亮度。
4. 新增可显示峰值和平均亮度值\*1 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。
5. 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。
6. 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。
7. “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。
8. “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。
9. “测试图案”中增加 HDR 信号用 PLUGE 和 Color Bar 测试图案图像。
10. 新增通过网络浏览器远程控制显示器的功能\*2。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。
11. “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。
12. “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)”。
13. “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。
14. “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。这可以轻松检查这些范围之外的区域。
15. 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。
16. “波形监视器”中增加亮度调节功能。
17. 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。
18. 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”。
19. “色温”中增加“D65 Custom”，以实现 D65 色温的精细调整。
20. 变形显示现在可以按原样缩放。
21. 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。
22. “中心标记/音频电平指示器”中增加显示大小设置。
23. “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。
24. 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。

25. 还强化了其他用户界面和操作性能。

\*1: 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。)

\*2: 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 1.0 或更早的版本，则应该更新为版本 1.1.1。如果监视器的固件为版本 1.1.1，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\_dpv2411.rom”，文件大小：22,337,306 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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■Newlib(libc)

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