DM220 and DM160 OLED Quick Start Guide

Flanders Scientific Inc.

Here are some tips to get you up and running quickly with your DM220 and DM160 OLED Monitor.

Color Matching Function (CMF)

Your monitor can switch between a standard CIE 1931 CMF based calibration and a Judd Modified CMF based calibration. You have the flexibility to use your monitor in either CMF mode and you can quickly and easily change from one to the other from the Color Management Menu by setting the Color Matching selection accordingly. While the majority of calibration systems, standards, and equipment traditionally use the CIE 1931 CMF it has become very common practice to use the Judd Modified CMF with OLED monitors to obtain better perceptual matching to other display technologies.

Color Management Selections

All DM220 and DM160 are run through an individual AutoCal process at the factory that saves a volumetric assessment of the panel's native response that is then used to generate and save calibration LUTs on demand for any Color Gamut, Gamma, and Color Temperature combination you select from the Monitor's Color Management Menu. The first time you make a new unique selection the monitor will take approximately 10 seconds to generate and store the new LUT. Once that LUT is created and stored to memory you will be able to switch to that selection again in the future without having to wait 10 seconds as the LUT will not need to be regenerated until a new AutoCal process is run.

Monitor Outputs vs. Standard Outputs

The monitor comes equipped with a dedicated clean loop through for each SDI input. In addition to these standard loop through connections the DM220 and DM160 also features two outputs labeled MON Out. These are processed outputs that will follow the actively selected input and mirror any applied Look/DIT LUTs in real-time. These outputs will also follow any image flip selections made on the monitor. If monitoring Display Port or DVI the MON outputs will cross convert from the active DP/DVI signal to SDI provided that the incoming DP/DVI signal is a standard SDI supported video resolution and framerate (e.g. 1920x1080p30).

For more information on monitor operation please see the full user manual or feel free to contact FSI directly at Support@FlandersScientific.com, via our website live chat feature, or by phone at +1.678.835.4934.

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