\Orchestrating a brighter world NEC

Display wall calibration kit for video wall applications

KT-LFD-CC

Achieve consistent color performance across every inch of your digital video walls. NEC's Display Wall Calibrator Kit (KT-LFD-CC) enhances the visual impact of digital content—whether in lobbies, on set in studios or in hospitals. Designed specifically for video walls, it measures each display's color and brightness and calibrates them all to identical optimum settings. This capability helps create the look of a seamless, mega-sized display and provides assurance of overall image consistency if one or more of the displays is replaced.

Works With:

X651UHD	X554UNS	V652
X841UHD	X554UNV	V801
X981UHD	X474HB	P403
X464UN-2	V323-2	P463
X464UNS	V423	P553
X464UNV-2	V463	P703
X554UN-2	V552	

System Requirements	
Windows	Microsoft Windows 2000, Windows XP (Home and Professional editions), Windows XP x64, Windows Vista 32-bit and x64, Windows 7 32-bit and x64 versions
Mac OS	Mac OS X version 10.5 or higher
Hardware	Supported model of NEC displays Supported color sensor At least one available USB port for color sensor Standard TCP/IP LAN interface (optional if using RS-232 or a wireless LAN) One or more RS-232 Ports (optional if using LAN) USB to RS-232 adapter (optional if using LAN)
Supported Color Sensors	NEC MDSVSENSOR iOne Display V2 NEC iOne Display V2 WG NEC SpectraSensor Pro NEC MDSVSENSOR3 X-Rite/GretagMacbeth iOne Pro and iOne Monitor X-Rite/GretagMacbeth iOne Display V1 and V2 X-Rite DTP94 / MonacoOPTIX-XR Datacolor Spyder 2/3/4/5 X-Rite ColorMunki X-Rite Hubble X-Rite iOne Display Pro

Highlights

- Automatic calibration - The software communicates with the displays directly using either RS-232 or a LAN (Ethernet) connection to automatically adjust their settings
- Internal Test Patterns - These patterns simplify display calibration by allowing calibration to be performed automatically without manually selecting different test patterns during the process or connecting a PC to the video input of the displays
- 10-bit internal lookup tables (LUTs) - Each supported display features three internal LUTs that allow very precise adjustments to be made to the tone response curve without reducing the number of displayable colors or introducing color banding artifacts
- Gamma Correction - In addition to adjusting the intensity (luminance) and white point of the displays, the software also calibrates the grayscale using the internal LUTs. This results in highly accurate color not only at 100% white but at all steps along the grayscale. A variety of different tone response curves also can be applied—from small gamma values to complex custom curves.
- Flexible Connections - Displays can be connected to the host PC using RS-232, LAN or combinations of both, or wirelessly by using a wireless-equipped host PC and LAN
- Projects - All display configurations, measurements and calibration data can be saved as a project file for later reference or re-calibration
- Multiple Calibration Sets - Varying calibration projects can be uploaded to each group of displays, allowing for quick and easy switching between calibration settings without the need to re-calibrate each display
- Informative - A summary window shows the results of the calibration and measurement data, allowing for detailed logging and reporting of the calibration procedure
- Colorimeter function - The software allows direct measurements to be taken by the color sensor and the results displayed in a variety of different formats
- Scalable - Single displays up to 100 displays arranged together

Product specifications subject to change.