

Sony[®]
Professional Display Technology

TRIMASTER EL

The next generation of professional display technology is here. Sony's new OLED displays are designed to redefine professional master monitoring technology. The new reference-grade BVM-E Series incorporate groundbreaking processing and imaging capabilities designed to give digital production professionals a true replacement for CRT (cathode ray tube) in critical evaluation monitors.



The new monitors deliver full HD resolution OLED panels with 10-bit drivers and use a newly developed Sony Professional Display Engine. The monitors range from general performance models to models used in very critical content analysis. The TRIMASTER EL™ lineup is refined with its new EL (electro-luminescence) displays, expanding the capabilities of Sony's TRIMASTER® technology. This maximizes the full performance capabilities of professional flat-panel displays to deliver higher levels of color accuracy and color reproduction, precision imaging and consistent picture quality.

In an effort to ensure the highest level of accuracy and clarity for their display monitors, Sony uses Konica Minolta Sensing Americas for the most effective solution. Using Konica Minolta's CS-200 Chroma Meter, CS-2000 Spectroradiometer, and CA-310 Color Analyzer, Sony was able to simplify the alignment of their professional monitors. The CS-200 and CA-310 were used to align Sony's BVM, PVM, and LMD series of monitors while the CS-2000 was used for engineering. More specifically, the CA-310 was used for monitor alignment in Sony's QA areas while the CS-200 was used for field calibrations and installations. Konica Minolta's instruments measure the color and luminance values that are adjusted for monitor calibration, such as white point, color gamut, dynamic range, EOTF and uniformity.

The CS-200 is a highly accurate, sensor based instrument used for measuring luminance and chromaticity of displays with levels from 0.01 cd/m² to 20,000,000 cd/m². The CA-310 offers speed and high accuracy when measuring the LED-backlit LCD monitors in production and QA/QC areas. Konica Minolta's CS-2000 is the reference in accuracy and has the ability to measure contrast ratios of over 1,000,000:1, making it an ideal instrument for measuring extremely low luminances.

Sony's monitors have their own software that communicates to either the CA-310 or CS-200. Using the measurements from the probe, they are able to calibrate the monitors. The simplicity and accuracy of Konica Minolta's instruments has helped streamline their alignment process and eliminate the margin for error. Sony can then manufacture and sell these monitors with confidence in their brand.



Konica Minolta CA-310



Konica Minolta CS-200



Konica Minolta CS-2000