



Microdisplay Colorimetry and Intensity Comparison With the New 20/20 FPD™ From CRAIC Technologies

May 1, 2010 -- CRAIC Technologies, the leading manufacturer of UV-visible-NIR microscopes and microspectrometers, is pleased to announce the 20/20 FPD™ microspectrophotometer. The 20/20 FPD™ is designed for colorimetry and light intensity comparison of microdisplays of all types. Able to measure the spectra on the micron scale, the 20/20 FPD™ can even map the color and intensity variations within a single pixel. This provides the manufacturer with an unparalleled capability to optimize and improve their microdisplay manufacturing process. The 20/20 FPD™ is a flexible design with many capabilities and, as such, represents a major step forward in both the development and quality control of microdisplay production.

"Many of our customers want to measure ever smaller features on flat panel displays. With our experience of spectroscopy and imaging on the micron scale, developing the 20/20 FPD™ was a logical step for CRAIC Technologies" says Dr. Paul Martin, President. "The 20/20 FPD™ allows for colorimetry, spectroscopy and imaging of small scale pixels that are common with high resolution microdisplays. It can also be configured to measure thin film thickness as well as source intensity. It can even image in the UV, visible and NIR regions."

The complete 20/20 FPD™ solution combines advanced microscopy and spectroscopy with sophisticated software to enable the user to measure spectra, colorimetry, light intensity and film thickness by either transmission or reflectance on the micron scale. As the smallest pixels are now on the order of 10 microns across, the 20/20 FPD™ now provides the ability to not only measure the color and intensity of the entire display but also to compare pixel to pixel and even within a pixel. Designed for the production environment, it can incorporate automated measurement capabilities, touch screen controls, easily modified processing recipes and sophisticated data analysis tools. The ability to directly image and analyze components for contaminants with ultraviolet and near IR microscopy can also be added to this instrument.

For more information about 20/20 FPD™ microspectrophotometer and its applications, visit www.microspectra.com.

About CRAIC Technologies: CRAIC Technologies, Inc. is a global technology leader focused microimaging and microspectroscopy in the ultraviolet, visible and near-infrared regions. CRAIC Technologies creates innovative solutions, with the very best in customer support, by listening to our customers and implementing solutions that integrate operational excellence and technology expertise. CRAIC Technologies provides solutions for customers in forensic sciences, health sciences, semiconductor, geology, nanotechnology and materials science markets whose applications demand accuracy, precision, speed and the best in customer support.

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