

Vikuiti™ Display Enhancement Newsletter – July 2009

3M Previews New 3D Film at SID Display Week

3M previewed a new 3D film in its booth at SID Display Week in June. The three dimensional film delivers clear, true autostereoscopic viewing at a glance, without the need for special glasses

It provides a simple 3D solution for mobile phones, gaming devices and other handheld devices, and easily integrates into the backlight module of the LCD display.

Only one LCD panel is required, operating at 120Hz refresh rate. Backlight module assembly is nearly identical to existing systems, allowing simple integration at the assembly stage. The usual optical film stack is replaced with a reflective film, custom light guide and 3D film. Through directional backlight technology, left and right images are focused sequentially into the viewer's eyes, allowing full resolution of the display panel.

Four Monitors Powered with TV Energy Savings

At SID Display Week in June, 3M showed how the power savings of a Vikuiti film-optimized TV could be used to run four energy efficient desktop monitors. 3M's booth featured a side-by-side demonstration illustrating how LCD TVs with Vikuiti™ film use 30 percent less power and provide the same or better visual performance with four fewer bulbs. The display also demonstrated how the 60-watt energy savings could power four energy efficient desktop monitors.

A 40-inch full high definition LCD TV as received from the manufacturer used 175 watts, while an identical LCD TV optimized with Vikuiti films, used 115 watts. A TV optimized with Vikuiti films may also have lower component costs, because it requires fewer CCFLs and inverters, as well as a smaller power supply.



3M Launches 10-Finger Touch Capability

The 3M Multi-touch Developer Kit was introduced to the touch industry at SID Display Week, redefining what “multi-touch” really can be.

Where 2- to 4-finger touch capabilities and simple pinch-and-expand gestures once defined sophisticated multi-touch interactivity, 3M’s multi-touch technology designed with fast and accurate 10-finger touch now sets the new “true multi-touch” standard.

Software developers using this new interactive tool may create previously unattainable interaction with their applications that might include enhanced operating system desktops, 4 or more players gaming, or may finally touch-enable everyday 10-finger activities like QWERTY keyboard typing or piano playing.

Visit <http://www.3M.com/multitouch> for more information on the 3M Multi-touch Developer Kit.

Your free screen-saver adventure is just a click away

Watch as your screen is transformed into a colorful tropical aquarium. Experience the sensation of soaring through the clouds. See nature unleash its power in the form of an alpine blizzard and a summer thunderstorm. Be amazed as bright oranges rain down from your screen and pile up deliciously. Or look up through

the snow-covered pines and watch as the clouds break to reveal a beautiful starry night.



If you have any questions or comments regarding this information, simply [contact us](#).