

MultiTaction Cell 55, Multi-user LCD Multitouch Display

Written by Bob Snyder
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MultiTouch Ltd. introduces what it calls “the world’s largest integrated multi-user LCD multitouch display, the **MultiTaction Cell 55.**”

The product, a 55” display, is the first to emerge from the company’s new software and hardware platform for large-scale multitouch LCD displays, **MultiTaction**. Initial customers for the MultiTaction Cell 55 include Intel Corp., Momentum (American digital agency) and One Communication (Norwegian interactive design firm).

MultiTaction builds on MultiTouch’s patented optical imaging technology Computer Vision Through Screen for multitouch displays, and provides “the world’s most advanced set of touch, gesture and object recognition capabilities”.

The MultiTaction Cell 55 is a full HD display that is four inches deep on the sides and eight inches deep in the middle, can accommodate unlimited number of touch points and an unlimited number of concurrent users with full hand recognition.

With a response of 200+ frames per second, MultiTaction units are designed for interaction with real-life objects, whether drinking glasses, 2D barcodes, or game pieces, for example, and can be stacked to any size or shape using tens of units. The product’s frameless thin bezel design enables MultiTaction to be embedded in custom-designed furniture. The smooth edge-to-edge front glass on the display unit is a first for any multitouch display.

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MultiTaction's most significant advancement is that its optical multitouch sensor technology is integrated with the backlight and infrared emitters into integrated circuit (IC) boards, creating a modular camera system that can scale up to more than 100" high-resolution displays with the same slim design.

Among other features, the MultiTaction platform eliminates the single-most troublesome characteristic of optical touch displays: sensitivity to external lighting, such as sunlight, spotlights, and other external light sources. MultiTaction incorporates a new hybrid tracking technology that combines shadows with infrared reflections for smooth performance in any environment.

Watch [MultiTaction Cell 55 Launch Video](#)