



MultiTouch delivers Europe's biggest interactive wall for research purposes

12-screen MultiTaction turnkey solution for Technische Universität Dresden

MultiTouch Ltd, the world leader in interactive display systems, has announced the introduction of the largest interactive display wall for research purposes in Europe at Technische Universität Dresden (TU Dresden). At approximately 5 meters wide and 2.5 meters high, the turnkey 12x 55" [MultiTaction iWall](#) recognises finger touches, complete hands, infrared pens and objects. TU Dresden's goal is to conduct ambitious research in human-computer interaction.

"We expect large interactive displays to be omnipresent in the future," explains Professor Raimund Dachzelt, head of the Interactive Media Lab at TU Dresden. "The MultiTaction iWall provides us a 25 megapixel display supporting the widest range of input methods and unlimited touch points. The MultiTaction technology is the only one worldwide to support this variety of interaction modalities at this size. That's why we want to be the first lab with this equipment to do groundbreaking research in this area.

"In our research, we will use the rich input of multiple users at the large wall," adds Professor Dachzelt. "At the same time, we aim to transform the whole room in front of the display into one large interactive space by using various interaction modalities. Among them touch, pen, tangible objects, gaze, hand gestures and handheld devices."

TU Dresden and its Computer Science department have already started to use the wall for a range of research and student projects, studies and other purposes.

"Besides conducting basic research in human-computer interaction, we work on interactive visualisations," continues Professor Dachzelt. "TU Dresden applies this research. This means, we try to find perception-oriented techniques that can effectively handle big data on a big display wall for several users to fields such as cell or systems biology, computerisation of traditional industries such as manufacturing press and publishing sector, media management and other areas. The Interactive Media Lab aims to demonstrate this technology to small and medium-sized companies with need for interactive big data visualisation."

With over 37000 students, the Technische Universität Dresden is not only the largest university in Saxony but also one of the 10 largest in Germany. As one of the top universities in the country, it was assigned the status of an "excellence university" in 2012. TU Dresden is a multi-discipline university with 14 departments organized in five schools including Medicine.

"MultiTaction technology was originally based on research made at the Aalto University / Helsinki Institute for Information Technology HIIT. As a result of this, we have always paid attention to researchers' needs. MultiTaction displays are already used by a big number of universities around the world both for research and PR for

science,” says Hannu Anttila, VP Business Development of MultiTouch.

MultiTouch is demonstrating a fully realised MultiTaction® iWall at ISE 2014 (Hall 11, stand N50), 4-6 February, and Digital Signage Expo 2014 (booth 1130), February 12-13.

MultiTouch Ltd is a leading developer of interactive display systems, based on proprietary software and hardware designs. The company is headquartered in Helsinki, Finland, with U.S. offices in Silicon Valley, California, New York City and an office in Singapore. The company’s systems are currently in use in more than 50 countries around the globe.

For more info:

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About MultiTaction

Aimed at installations in retail, education, real estate, exhibitions and corporate use, MultiTaction® Cell multi-touch displays boast the world’s most advanced interaction features and an ultra-fast 200 fps tracking, enabling the most engaging interactive user experiences to be deployed. Based on MultiTouch’s proprietary Computer Vision Through Screen technology, MultiTaction® Cells are designed for multiple concurrent input methods, including fingers, hands, pens and Enriched Reality™: interaction with real-life objects, and can be stacked to create very large interactive surfaces in a variety of shapes to be interacted with by unlimited number of concurrent users. Full

networking capabilities allow for cloud applications and social media integration as well as remote management and monitoring.

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