Magenta Research Helps Learning Leap to the Next Level

New Milford, CT, February 24, 2010 --(PR.com)-- Magenta Research, a US based manufacturer of high quality video extension solutions recently announced an installation at Indiana University/Simulated Learning Center Indianapolis, IN. Magenta was chosen to provide a solution that would allow remote transmission of high definition video and audio.

The Clarian Health Simulation Center is a 30,000 sq. ft. high-fidelity complex jointly operated by Clarian Health and Indiana University schools of nursing and medicine. The simulated environment was created to provide advanced clinical training for IU nursing and IU medical and health students, Clarian health care personnel and staff physicians and residents. This simulation environment provides a true-to-life learning experience.

The facility featured: a simulated surgical suite, emergency room, transport room/ including ambulance, OBGYN area, 1,000 sq ft. open classroom for skills training, and a twelve seat computer lab. All these areas were connected via video feeds such that students in the classroom could observe those in the simulation rooms.

“The biggest challenge in this project was how to design and install a medical grade imaging system over a copper infrastructure with round trip distances up to of 700 feet. In this case, due to the number of sources and destinations in the 63 rooms, it was cost-prohibitive to use a typical system where a fiber optic switch is used or signals are encoded and then sent over a LAN. Instead Magenta’s RGBHV over CAT-5 solution was chosen. Magenta’s Mondo Matrix scalable switcher, configured for 96 inputs and 80 outputs, and working in conjunction with the Morph-IT EQ cards, allowed us to balance the signals to a standard length and balance the signals coming from MultiView Transmitters and Receivers. This allowed medical quality images (high-resolution images of up to 1900 x 1200) to be sent to points throughout the 28,000 square foot facility. Overall, the project was a remarkable success due to the products and support from the Magenta Research team,” said Allan Childs, Marketing and Communications Specialist with Audio Video Systems. “We tested the solution with 1920x1080 resolution excel spreadsheets and HD video content. Video performance exceeded the project requirements; the Mondo Matrix and the MultiView extension product passed the tests with flying colors. Magenta’s products were able to create a solution with ease; well within the 2,000ft capability,” said Brian Macauto, Sales Engineer with Magenta Research.

About Magenta Research
Magenta Research is an industry-recognized leader in matrix switchers and video extension equipment. The company utilizes proprietary technologies to enable WUXGA/1080p video distribution at 2,000 feet (610m). Magenta transmitters, receivers, matrix switches, and fiber extension systems have been installed in a large variety of A/V applications, especially digital signage for casino, airport, fast food, museum, retail, theatre, courtroom, and corporate applications.

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