Salt Lake City – September 26, 2012 – Mozaex™, the premiere manufacturer of multi-room Blu-ray entertainment servers, announced today it has completed a contract through its Integrator, Smart Design International (SDI), to deliver its media servers into a U.S. sanctioned Department of Justice (DOJ) forensic lab project located in Medellin, Colombia. While best known for its award-winning residential entertainment media servers that support movies, music, and online media, the company also has a long history of developing professional video servers for commercial applications.

The Mozaex server was specified, installed, and is being serviced by Smart Design International, which is located in Miami with an office in Colombia. SDI is the prime contractor of this project and was selected for their unmatched capabilities to deliver a complete networked audio/video recording, storage, and indexing server solution.

The Mozaex 72 Terabyte RAID Server is being used for recording HD 1080p videos via HDMI, and playing Blu-rays and DVDs, that can be instantly viewed in multiple independent rooms via its Control4™ controlled, customizable Metadata Media Library.

After six months of testing, customization, and integration, the Mozaex system received final approval with a potential for at least 12 more systems in Colombia and the United States.

Mozaex Server Combines Networked Movie Server with Video Recording and Indexing Server

“Mozaex was selected for its breadth in both movie and video server products plus its knowledge and expertise in video and movie encoding that dates back to 1997 when the company’s founders released the first network video storage server called SuperVue,” said Mozaex CEO Douglas Kihm. “SuperVue continues to be used in many educational institutions, military facilities, and corporations”.

“The custom Mozaex system designed for the Department of Justice application uniquely combines multi-stream HD video and movie encoding, multi-room networking and storage, metadata editing, file indexing, and an elegant user interface technologies,” Kihm continued. “Many other applications are already being considered by medical facilities and other companies that are seeking a reliable and effective way to record, store, index, and playback HD videos in multiple rooms with up to 264 TBs of RAID 6 storage.”

(more)
The Mozaex Server Uniquely Records, Stores and Plays from Eight HDMI HD Video Sources

The Mozaex system installed includes four Mozaex servers with the combined ability to simultaneously record and store up to eight HDMI live video streams. Each Mozaex server incorporates two HDMI video recording inputs that can record video up to 1080p.

Each server can store locally up to 32TBs of RAID 6 or up to 40TBs of non-RAID media. The initial system was configured with 18TBs of RAID 5 storage per server. Networked Mozaex players provide playback media from any of the networked Mozaex servers.

The Mozaex system can support up to 25 simultaneous playback streams of movies and videos with up to 25 players over CAT 6 gigabit Ethernet. More than 25 independent playback zones can be supported with a higher speed network.

The Mozaex system is highly scalable in both storage and video recording inputs. The system can store up to 264TBs of RAID 6 media with the addition of the company’s Enterprise Server which supports multiple 60TB SAS storage sub systems. The number of HD video recording inputs may be increased by adding additional networked servers with or without storage. With its automatic emailed RAID alert notifications, centralized online remote system maintenance access and remote software updates the Mozaex system’s reliability and serviceability is unmatched.

The U.S. DOJ is Using the Mozaex Server to Record, Store and Index HD Videos

Under the direction and donation of the U.S. DOJ and U.S. Embassy, the Mozaex system is being utilized by the General State Attorney’s Office of Colombia, in the Medellin Colombia Forensic Lab for Human Identification. The Project Name is “Forensic Medical & Criminology Media Server System”.

The project includes the following equipment:

Four 18TB RAID Mozaex Servers with dual HDMI HD Video Capture
Eight FHD HDMI Professional Recording Cameras (Canon)
Eight Bluetooth Wireless Microphones (Canon)
Eight HDMI Splitters 2x1 1.3 (Gefen)
One 8x8 Crosspoint HDMI Matrix (Gefen)
Eight HDMI Fiber Optic Cables (Rainbow Fish)
One Epson Home Cinema Projector
One 92in Motorized Screen
One 73in 3D FHD Mitsubishi DLP
One A/V Amp (Yamaha)
One Pair of Invisible Speakers (Amina)
One Control4® HC-300 Controller
One IPad2
Seven Motorized Hunter Douglas Drapes
Project Scope

The project’s general scope includes the ability to record, index, and store for instant viewing in multiple rooms all videos of medical Lab operations and demonstrations.

The project’s scope also includes the indexing and metadata customization of each case including the related firearm that was used, the medical reports (such as trauma), and other related data.

The system needs to simultaneously support both live viewing and/or previously recorded viewing from multiple zones.

Project Press Image

Click here or on the following link for an image of the systems equipment rack:


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International Distribution

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About Mozaex
Mozaex is a leading manufacturer of Blu-ray® 3D Entertainment Servers and Blu-ray HD Headphones. Mozaex is a multi-room media server that loads, stores and instantly delivers, Blu-ray and DVD movies, CD music, photos and online media including iTunes®. BluWavs™ are the world’s first 7.1 discrete HD Audio headphones.

Combining elegant operation with uncompromised reliability, service and quality, Mozaex has become the solution of choice for homes and yachts around the world. Mozaex has shipped more non-jukebox Blu-ray servers than any other company. Since introducing the world’s first multimedia entertainment server in 2004 and the first Blu-ray 3D server in 2010 the company has shipped over 7,500 units worldwide. Mozaex is sold exclusively through a network of 750 dealers that are supported by 10 US rep firms and 19 international distributors in 27 countries.

About Smart Design International
Smart Design International is a company dedicated to custom design, home, commercial and industrial automation solutions. With Showrooms in Miami, FL as well as Bogota and Medellin, Colombia, Smart Design has a primary focus on the Industrial & Commercial markets. It has developed a product portfolio that includes Lutron Ecosystem, Mozaex, URC, Cinematech, DBox and much more. They are now working on our third Leed Certification Building (Green Building) in Medellin, Colombia.

Smart Design International
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Installation & Programming
Installation and Control 4 system programming was performed by Smart Design International and Schaller Tech Engineer Freddy Sampayo from Schallertech Programming.

About Control4
Control4 is a leading provider of automation systems for homes and businesses by offering personalized control of lighting, music, video, energy, and security through more than 2,200 custom integrators, retail outlets, and distributors in over 72 countries. By delivering insightfully simple control solutions that enhance the lives of individuals and families, Control4 is the automation platform of choice for consumers, major consumer electronics companies, hotels, and businesses around the world. For more information visit www.control4.com.

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