



For Europe's Pro AV integrators in a Networked World

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#### Display and Mounts

##### Re-Sizing LCD Dispute Resolved

Tannas settles its dispute with BAE Systems regarding technology for resizing LCDs. Re-sizing trims a larger display to make a smaller one of any defined size and yet retain the operating characteristics of the original display

BAE will now license its patents related to re-sizing of LCD glass to TED, and TED is authorized to sublicense these patents (include patents in Austria, Germany, Spain, the UK, and the US, with additional patents pending in Canada, Israel, and Taiwan).

TED's primary business plan is to serve the marketplace through licensees. Presently, TED has two licensees (both in California): Symbolic Displays, Inc. (SDI) and SGB Enterprises. TED will continue to perform R&D and to produce and sell re-sized LCD glass from its facility in Orange, California.

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Go [BAE Systems](#)

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## Orsus and Barco Go Rail

Orsus and Barco blend their technologies for a large project for Transnet Freight Rail, large international rail operators in South Africa.

Under this new partnership, Situator from Orsus integrates with Barco's video wall systems providing systems integrators with the opportunity to deploy state-of-the art video displays of various sizes beyond a typical flat screen monitor.

Specific to the Transnet project, all data from the Situator product suite will be displayed on two large OV-D2 Barco video wall systems, measuring a total of 19m in Transnet's national nerve center in Jo'burg. Richard's Bay and Cape Town will each have a 7m system displaying the Situator dashboard, plus video camera feeds to relay the most critical incidents.

Barco's state-of-the art video wall systems feature Sense6 technology to continuously measures luminance and color characteristics and adjust the color space to provide the most convenient image for Transnet Freight Rail's control.

Go Orsus and [Barco for Rail](#)

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## Lumin Tables Display

The maker says Lumin Multitouch system "is the first Multitouch terminal available in the world for large screens." The user controls the device with simple and intuitive movements directly on the screen. Similar to iPhone, no keyboard or mouse is needed.

The Lumin Multitouch system comprises a 42-inch terminal. This Plug and Play device measures 990 x 1010 x 1280 mm (W x D x H) and consists of a projector, a computer that runs the Lumin Multitouch applications, and the Multitouch screen. The special polymer screen is especially nice to work on and won't deteriorate even after being in service over long periods of time.



The Lumin Multitouch standard terminal includes a 42-inch display and an integrated computer. It is operated with simple and intuitive finger movements on the screen but is much more versatile than a familiar touchscreens for instance such as those found on automated banking machines. Using simple gestures, users can group, arrange, maximize, minimize, and rotate objects or zoom in on maps. Using the included Adobe Flash framework, software developers are able to develop Multitouch applications very rapidly.

The Lumin Multitouch terminal can process several inputs simultaneously, allowing multiple users to work at the same terminal. Alternatively, two users can communicate through two systems connected over a network, for instance for videoconferencing on the Multitouch terminal instead of using a desktop PC.

The Plug and Play device is now available for purchase and can display presentations in conference rooms or at trade shows. The Lumin Multitouch can also be used to implement intelligent information systems in office building reception areas, museums, or point-of-sale locations. The included standard software allows customers to quickly adapt the device to their own applications.

Go [Lumin](#)

[Click above for more information](#)

## Control & Integrator Solutions

### AMX Optima Series Adds 8x8 DVI Board

AMX expands its Optima Series with the addition of a new 8x8 DVI board which routes and distributes 8 high-res computer DVI signals to 8 displays. It supports resolutions up to 1920x1200 and simplifies the complexity of DVI integration with features such as cable equalisation, signal reclocking and a new EDID (Extended Display Identification Data) Programmer.



The 8x8 board features 4 high-amperage DVI outputs, providing 1 full amp between them. This DVI output capability is greater than the industry-standard DVI power, enabling external equipment such as converters, splitters and transmitters to be powered directly through the DVI connector. The remaining 4 outputs provide a total of 270mA.

The Optima 8x8 DVI Board can be mixed with other Optima Board options - including RGBHV, composite, S-Video, component, SD-SDI and HD-SDI, as well as analog and digital audio - in a 2RU or 3RU Optima Matrix Switcher Enclosure.

Go [AMX's DVI Board](#)

### BTX Connectivity for InfoComm

BTX Technologies launch the ProBlox system, which combines 16 coax and 26 audio/data/control contacts in one multi-connector and the MaxBlox DB9 family of connectors.



These are professional-grade nine-pin D-sub connectors that the company says is built with a rugged design, and allowing installers to terminate a DB9 with a screwdriver.

The connectors can be panel or cable mounted in a MaxBlox CD-MX915H hood, which lets the connectors slide, snap, and lock into the hood without the use of tools. These are available now whilst the ProBox system is available in June.

Go [BTX](#)

### Matrix Switcher & Scaler from Kramer

Kramer Electronics ships its VS-808DS Matrix Switcher and Scaler for composite video and unbalanced stereo audio signals. This high performance 8x8 switcher/scaler allows users to simultaneously route any or all of its eight inputs to any or all of its eight outputs and to one scaled output.



The VS-808DS is especially suited to audio/video duplication facilities, production studios, or in professional presentation systems.

Go [Kramer's Matrix Switcher](#)

## Altinex's New MultiTouch Panels

The new MultiTouch line of 7 touch screen panels offers an intuitive GUI and compatibility with Altinex's MultiTasker modular AV system as well as other manufacturers' equipment.

Each panel is provided with dual RS-232 ports, two network ports, two to four USB ports (depending upon model), along with a built in wireless access network plus Bluetooth. Additionally, the MultiTouch panels' wireless access capability can be permanently disabled for use in secure environments.

Altinex' new MultiTouch touch screen panels are available in sizes ranging from 7" to 19" and all are powered by an external 12v universal power adapter.

An embedded Windows XP operating system is at the heart of the new MultiTouch control panels. These new panels can be programmed using the company's AVSnap system design and control application software. The combination allows you to develop a comprehensive GUI on a local computer and then effortlessly transfer it to the MultiTouch panel via a USB or a wireless.

MultiTouch panel comes with one page of user interface programming pre-programmed by Altinex. Additional pages of programming can be purchased in five page increments. A comprehensive GUI development tool and programming samples are included with AVSnap for those who wish to handle system programming by themselves.

The MultiTouch panels, AVSnap software, and MultiTasker modular AV system make a state-of-the-art AV environment with comprehensive control and interfacing for a wide range of conferencing and presentation equipment.

Go [MultiTouch panels](#)

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## Multi-Camera Control From Vaddio

Vaddio's ProductionVIEW HD is designed for the demands of live broadcast or staging events, yet simple enough to allow a novice to control a multi-camera shoot.

The system's multi-format 6 x 2 switcher accepts any combination of input signals from HD component video, RGBHV and SD video (HD at component 1080P, 1080i and 720p; SD video Y/C or composite; and RGBHV up to UXGA resolutions). All inputs feature both up/down conversion capabilities, while other mixers only include two discrete outputs for independent program feeds – each having its own user selectable output resolutions.



Camera control elements include a broadcast-style Hall Effect Joystick with twist handle zoom control, as well as separate Pan, Tilt and Speed control knobs. There are six discrete auto-sensing RS-232 camera control ports and 12 camera pre-sets per camera for storing frequent shots.

ProductionVIEW HD is compatible with Vaddio, Sony, and Canon PTZ camera systems.

Go [Vaddio's ProductionVIEW HD Camera Control System](#)

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A promotional banner for CEDIA EXPO 08. The left side has a red background with a white house icon containing a Wi-Fi symbol and a power plug. Text includes 'training 23-26 June' and 'exhibition 24-26 June'. The right side shows a photo of a modern office or lounge area with a laptop on a desk. A white button with a red play icon says 'REGISTER NOW'. Below the photo, it says 'connect with custom installation'.

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## Digital Signage

Triveni to Show DS Lobby at InfoComm

Triveni Digital will bring a hardware-software signage solution to InfoComm: Ensignia Digital Signage Lobby is a stand-alone, self-contained system that uses a single display screen.

Included are LG Electronics' M4210N flat-panel HDTV LCD display and MediaManager software for control over LAN/WLAN.

Lobby is intended for digital signage installations in regional banks, convenience stores, wireless/telco stores, emergency network services, houses of worship, public works facilities, real estate and tourism offices, and doctor and dentist offices, among others.



Go [Triveni Digital](#)

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## Colours of Digital Signage

More than 250 specialists from Russian and foreign companies participate in the 1st Moscow international conference "All Colours of Digital Signage" dedicated to digital advertisement in display networks located in public places.

The Conference was organized by AV Club with Video International companies group and with information support from RIA Novosti and was visited by many representatives of installation companies and system integrators, advertising agencies and content specialists, retail network owners and investors.



Besides small equipped demo-points presented on the Conference participants' stands there also was another installation showing samples of broadcasting in advertising and information DS networks.

Company representatives made presentations while their stands located in exhibition center hall visually demonstrated products and services for DS market.

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## Audio Systems

### KIND Launches KDX / KQX Amplifiers

KIND launches its new KDX / KQX amplifier series, consisting of the 2-channel KDX range and the 4-channel KQX range. Both amplifier series offer premium quality, light weight, compact size and high power for either live performance or permanent installation.

The 7 KDX models range from 2 x 300W to 2 x 1500W into 4 Ohm, and all offer a higher power 2 Ohm capability. The 3 KQX models range from 4 x 400W to 4 x 700W into 4 Ohm.



The KDX / KQX series incorporate comprehensive warning and protection features to safeguard the amplifier and loudspeakers and front-panel indicators give clear warnings when any potential problems are detected.

The amplifiers have an open input architecture and can accommodate an optional Digital Signal Processing board (KIND DSP Board-1) that can provide all of the functions of a loudspeaker system crossover/controller without the need for an external processor.

## New Amplifiers From Extron

Extron introduces new 8 and 12-output VGA and stereo audio distribution amplifiers as part of the P/2 DA Series. The P/2 DA8 and P/2 DA12 Series are compatible with computer-video resolutions up to QXGA and feature fully buffered outputs, selectable input and output sync impedance, ID bit/DDC routing to the local monitor output, and individually selectable output muting.



Two models in this series, the P/2 DA8 A and P/2 DA12 A also feature active PC audio buffering. All models are compatible with high-resolution RGBHV computer-video signals, as well as HDTV component analog signals with tri-level sync, making them especially suited to A/V signal distribution needs in commercial, rental and staging, and residential applications.

Go [Extron's Amplifiers](#)

## Turbosound Boosts Kentish Town Forum

One of north London's best-known concert venues, the Kentish Town Forum, has been hosting live performances since the early 1980s, featuring a diverse array of artists. In recent years there had been concerns about the venue's sound quality, so a brand new Turbosound audio system has been installed.



The main front of house system comprises both ground stacked and flown elements. 4 Aspect TA-880L low frequency, 3 TA-880H mid/highs and 2 TSW-218 subs per side are complemented by a pair of TA-500 Aspect Wide cabinets for infills.

Go [Turbosound](#)

## Residential Systems and Digital Home

### Opus in Builder's Paradise, UAE

Maybe it's a myth but it's the type of myth that lives because it must be so close to the truth: 75% of the world's large building cranes are all employed at the moment in the city of Dubai. One look at the skyline and you embrace the myth: there is one unbelievable amount of high-rise building going up.

And that spells out opportunity for companies like Opus Technologies, a British designer and manufacturer of multi-room entertainment systems. In the last two years alone, over 4000 properties in some of Dubai's most exclusive developments have been wired with Opus. The company expects to more than double this in the next two years.

Recent projects include:

- Nakheel – Jumeirah Palm – 1,400 Signature villas
- World Trade Centre Residences – 377 apartments
- Oceana & Tiara Residences – 1,300 apartments
- Le Rêve – 82 ultra-luxurious apartments
- Victory Heights – 700 villas

Opus is an adaptable, fully scalable system which provides audio and video throughout the home from one centralised hub. Source equipment is hidden out of view, normally in a service cupboard, for complete discretion. Meanwhile, cable runs connecting the system to custom installed speakers and keypads are invisibly contained within walls and ceilings.

The recently introduced WCU600 touchscreen keypad is designed to control both the Opus 500 multi-room entertainment system as well as lighting and a number of other 3rd party products. This touchscreen also displays video from DVD, TV or CCTV systems and the on-screen menus of audio/video servers, iPod docks and more. The high contrast backlit hi-resolution colour screen can display 16 million colours and is fully customisable for individual use.

Smart home technology has become a compelling differentiator in the UAE's expanding real estate sector and Opus shows us how to take advantage of that.

Go **Opus**

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## Feature

### Echelon Goes Smart

By Gerald Fenech

Behind the scenes of "smart" buildings, including the Louvre Museum in Paris and the Sears Tower in Chicago, lies technology from Echelon. The company doesn't call its embedded control technologies "green," but they can enable buildings to cut energy waste and reduce pressure on the electrical grid.

Echelon integrated its technologies while building its San Jose headquarters during the California energy crisis. Its systems can make energy use plummet by 30 % within three minutes, according to Echelon. And if widespread within the service area of an overwhelmed utility, such precision might potentially help prevent rolling blackouts.

Some 150 people work in Echelon's two 77,000 square-foot buildings, completed in 2001. There are close to 325 Echelon employees worldwide.

Web-based controls for lighting and temperature are broken down into microenvironments of 3 offices each. Employees access this online interface to vote for their preferred settings. You're out of luck if you're the only 1 in a 3-office cluster to prefer icy temperatures, but there's still more control than in most of the world's workspaces.

Echelon technology in Oslo, Norway, for example, enables street lights to dim and brighten in response to traffic, weather, and available light. Energy use dropped by 62%, according to the company.

Go **Echelon**

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Well, that's it for this edition of rAVE Europe! Thank you for spending time with us as we follow the industry happenings.

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#### **A little about Gary Kayye, CTS, Chief Visionary, Kayye Consulting, Inc, and founder of rAVE Publications:**

Gary Kayye, CTS is chief visionary at Kayye Consulting, a Chapel Hill, NC, USA-based firm specializing in marketing consulting and training development services to the ProAV and HomeAV markets. Recognized as InfoComm's Educator of the Year in 2004 and NSCA's Instructor of the Year in 2007. Gary is a columnist with Sound & Communications Magazine and founder of rAVE Publications, publisher of the premier HomeAV industry's eNewsletter (rAVE HomeAV Edition – published in conjunction with CEDIA), rAVE ProAV Edition, rAVE Rental [and Staging] and the newly launched Reviews By rAVE. Prior to forming Kayye Consulting, he spent 11 years at Extron and AMX as VP of Sales and

Marketing and has previously served on the InfoComm Board of Governors, as the chairman of the Projection Shoot-Out and chairman of the AV industry's Professional Education and Training Committee.

Gary is currently serving on NSCA's Industry Advisory Board (IAB). In addition, he donates four weeks of his time a year as an active educational leader in the ProAV and HomeAV markets through free seminars and workshops at shows like NSCA, InfoComm, CES and CEDIA. He is a lively and fun speaker and every time he speaks, he mixes a visionary look into the future with a keen eye on how to get there. His clients have included Sony, InFocus, Crestron, Hewlett Packard, Steelcase, NEC, Da-Lite, Epson, Clarity, Apple, Scientific Atlanta, Cisco, JBL, Crown and Harman.

Finally, Gary's passion is a non-profit he co-founded called the Swim for Smiles Foundation ([www.swimforsmiles.org](http://www.swimforsmiles.org)). Swim for Smiles raises money for the North Carolina Children's Hospital through fun, active athletic events involving kids and swimming.

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