



For Europe's Pro AV integrators in a Networked World

Volume 4, Issue 50 December 21st–29th 2008

Tell Your AV Colleagues: [HDMI over a Single UTP Cable](#)
[What Are We Doing at ISE 2009?](#)

- [Subscribe/Re-subscribe](#)
- [Unsubscribe](#) (see [Manage your subscription](#) at bottom of newsletter)
- [Forward](#) (see bottom of newsletter)

How to view news easily:

Click on any headline to go direct to news item, Return by Clicking on word "Top" (lower right of each news item)

Industry News

- [World Forum to Precede BETT](#)
- [On Being Green in the Leisure Industry](#)

Audio

- [Alcons "Behind-the-Screen" Speakers](#)
- [Book: "Acoustics by Peutz"](#)

Digital Signage

- ["You Talkin' to Me?," Signs with SMS-Speak](#)
- [World's First Wireless WebCam and Photo Monitor](#)

Conferencing

- [Watch This Video: HD Video Calling for PCs](#)

Displays & Mounts

- [DisplayPort Converters](#)
- [Kindermann to Show New 3LCD Projectors](#)
- [LED "Voxel" Art Allows 3D Modular NOVA](#)

Control & Integrator Solutions

- [Crestron Open Door Days Previews ISE](#)
- [TOA Network-Enabled Voice Evacuation](#)
- [Multidyne's New Larger LIGHTBoX LB-1430](#)

Residential and Digital Home

- [ITU Creates Home Networking Standard](#)
- [NuVo Whole Home Audio Expands in Europe](#)
- [Home Networking: \\$1.8 billion in 2013](#)

Industry News

World Forum to Precede BETT

BECTA, a UK government agency, launches the first ever Learning and Technology World Forum based the success of Moving Young Minds (an international minister-level seminar that over the last five years has grown and now draws from 60 countries).

The Learning and Technology World Forum 2009 will retain the closed sessions (which ministers have found so valuable) and widen its scope to include the full range of learning opportunities in the further and higher education sectors.

For 2009, the theme is 'Next Generation Learning.' For education ministers, policymakers and practitioners from across the world, Learning and Technology World Forum is by invitation only (but no entrance fee for attending.)

Following the World Forum - and deliberately linked to it - is BETT (British Education and Training Technology) show at London Olympia from 14-17 January. BETT is the largest education and technology exhibition with over 30,000 attendees and 600 exhibitors.

Go [Learning and Technology World Forum 2009](#)



Learning and
Technology
World Forum
2009



"There has been a revolution in green technology and sustainable management for businesses and the leisure and entertainment industry needs to benefit from these developments," says Richard Curtis of organiser, Andrich International.

That's the purpose of the 4th TiLEzone London event to be held on Thursday, 29th March 2009 at the London Transport Museum in Covent Garden Piazza. The event will address "Sustainable Design & Technologies – the challenges & opportunities offered to Leisure Venues & Attractions".

TiLEzone will show how using sustainable technologies and design techniques can improve profitability, as well as the public perception of attractions like theme parks, museums, heritage sites and retail & leisure developments. Increasing energy, raw material and waste disposal costs, have combined to make sustainable issues a financial as well as a moral imperative.

The seminar programme, will cover a wide range of green technologies, including renewable and low energy sources and products for heating, lighting, media and building applications. It will also look at what national and EC grants are available.

Speakers will include Blair Parkin of Visual Acuity (lead technology consultants for the world's biggest green building, the California Academy of Sciences) and Dr Jim Sweitzer (adviser to museums, planetariums and universities from San Francisco to Turin on the creation, content and delivery of science education. He is a member of The Climate Project, trained by former Vice President Al Gore in January 2007.)

Image: California Academy of Sciences. The world's biggest green building, the California Academy of Sciences, Golden Gate Park, San Francisco, USA

Go [TiLE Leisure Green](#)

[TOP](#) ↑



Screens for Professionals

[Click above for more information](#)

Audio

Alcons CR1 Ultra-compact, "Behind-the-Screen"

The CR1 is an ultra-compact 3-way sound system, designed to provide medium output, high quality cinema and A/V sound reproduction. It is recommended for cinema theatres, screening rooms, board-rooms, dubbing stages, as well as surround sound recording and Home Theatres/residential sound systems.

The ultra-shallow MDF enclosure design of only 18cm provides for very flexible mounting in even the smallest spaces behind the screen. It can be stacked, wall-mounted, or even flown, with a weight of only 29,8 Kg / 65.6lb.

Featuring a 4" pro-ribbon driver for HF, a Neodymium 6.5" vented mid-range driver and Neodymium 12" side-vented woofer, the system's frequency response is 45Hz – 20.000Hz (-3dB) with a dynamic range of up to 128dB.



Alcons' proprietary and multiple-patented RBN401 pro-ribbon driver offers non-compressed sound reproduction from 1000Hz. to 20.000Hz with a peak power handling of 800W.

Alcons "Real-90" horizontal dispersion widens the stereo experience for far left and right seated audience substantially.

For full system performance, the CR1 should be used in combination with an ALC amplifier/controller. Driven by the ALC, the CR1 delivers maximum sound quality with significantly increased headroom under dedicated equalisation and inaudible (power and excursion) protection (SDP circuit).

Go [Alcon](#)

[TOP](#) ↑

Book: "Acoustics by Peutz"



Peutz Consulting Engineers advise on acoustics, noise control, building physics, and environmental technology. With branches in UK, Netherlands, Germany, France and Belgium, more than 200 employees work for the company.

Peutz recently published the book Acoustics by Peutz that presents room acoustical projects. Price €25 includes VAT.

Go [Peutz on Acoustics](#)

[TOP](#) ↑

[Click above for more information](#)

Digital Signage

"You Talkin' to Me?," Signs with "SMS-Speak"

Nearly half of all digital displays will leverage SMS by 2012, says MultiMedia Intelligence.

Advertisers already want to engage digital signage audiences by enabling a backchannel. Due to ease of SMS texting and the ubiquity of wireless handsets, 40% of new networked digital display platform installations will leverage SMS for interactivity by 2012 (up from about 5% in 2007.)

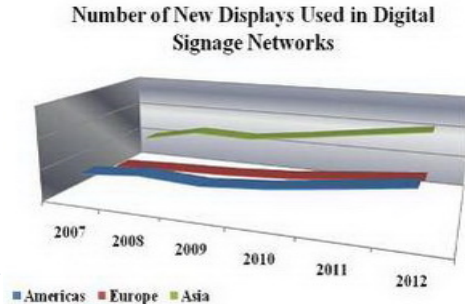
SMS is not the only way to add interactivity: RFID, Bluetooth and Wi-Fi will also find significant penetration in interactive digital signage platforms. In 2008, 169,000 newly installed digital displays had Bluetooth, RFID, Wi-Fi or SMS capabilities (or some combination of these four protocols).

MultiMedia Intelligence also found that in 2008, 90% of all networking connections from the servers to the set top boxes or digital media adapters in digital signage networks were Ethernet.

Cabling options to the display include Ethernet, 1394, HDMI, Wireless HDMI, and co-ax. HDMI will comprise 70% of connections to newly installed digital displays by 2012. Cabling and related electronics will account for U.S. \$170 million in 2008 revenue for companies like Gefen and Belkin in digital signage.

Europe is becoming more significant in the digital signage market. Germany is seeing a significant rise in deployments with 5000 new digital signage display screens expected in 2008.

Go [MultiMedia Intelligence](#)



[TOP](#)

World's First Wireless WebCam and Photo Monitor



The world's first 7" Wireless Internet Camera and Photo Monitor connects to your wireless network, detects wired and wireless IP security cameras and streams real-time camera video wirelessly. It also acts like a photo frame—it displays photo slideshows and plays videos and music.

If you remember my article on "Poor Man's Digital Signage", small business (even larger corporates like 5-star hotel chains) have hijacked photo frames for micro-digital signage needs. Imagine how this hybrid security camera model might be put to use.

Users previously needed a computer to view streaming video from IP security cameras—now with the TV-M7 users can view video while their computer is turned off. The device also enables users to monitor up to 4 web cameras on one screen or scan between cameras to wirelessly monitor key entry points, property, public areas, baby rooms, warehouses, office environments and other sensitive areas.

The 7" Wireless Internet Camera and Photo Monitor is also designed for use in business environments. Many security posts do not have wired network access—the TV-M7 can be installed quickly at security posts with access to a wireless Local Area Network. Receptionists can use this device to monitor surveillance cameras while working on their computer.

Place the high resolution LCD monitor on a table top, or mount it vertically or horizontally on a wall. Use the remote control to view and store content from a wireless network, from the 512MB of built-in memory or from digital camera memory cards. The Slideshow function supports both JPEG and BMP pictures with maximum resolution of up to 16384 x 16384 pixels.

Go [7" Wireless Internet Camera and Photo Monitor](#)

[TOP](#)

Conferencing

Watch This Video: HD Video Calling for PCs

Movial announces the general availability of Movial Communicator PC 7.2, featuring the "most advanced High-Definition video capabilities for PC users."



Movial Communicator's new software app gives telecom operators the ability to offer consumer and enterprise subscribers very clear PC-to-PC, and PC-to-Mobile video calling that "surpasses any Internet Service Providers' offering currently available on the market."



Communicator PC enables high quality video calls from PC-to-PC but also from PC-to-Mobile (so telecoms want to use it to drive adoption of converged multimedia communication services across devices.)

Other new features in Movial Communicator PC 7.2 include Group Chat, File Transfer, Messaging, and Avatars, based on the latest Open Mobile Alliance (OMA) specifications. Messaging includes Instant Messaging but also SMS and MMS, allowing operators to benefit from the ease of one-click for sending multiple SMS and MMS messages from a PC.

Movial signed a deal with Cyta, the leading telecom in Cyprus, who has launched an IMS PC play with its broadband telephony service bundle, powered by Movial Communicator PC 7.2.

Go [Watch the Video](#)

Go [Movial Claims Best HD Video for PCs](#)

[TOP ↑](#)



The **NEW** PFT 2510 Trolley



BRAND YOUR STAND

www.vogels.com

[Click above for more information](#)

Displays & Mounts

DisplayPort Converters

DisplayPort (DP) is a digital display interface standard that defines a new license-free, royalty-free, digital audio/video interconnect-- intended to be used primarily between a computer and its display monitor, or a computer and a home-theater system.

The companies behind DisplayPort believe in an open standard, meaning you can connect to any display or projector from a single connector. Future extensions of DisplayPort will provide enhancements (multi-monitor support and a simple adaptor that enables a single cable connection to to a multifunction monitor that includes a USB hub).

DisplayPort is the next generation digital display interface standard designed to replace DVI, LVDS, and eventually VGA. You will find more and more new displays with Display Port technology and that means you may need or want converters.

IB Hong Kong makes Display Port converters such as DisplayPort to VGA, DisplayPort to DVI, and DisplayPort to HDMI.

Go [Display Port converters](#)



[TOP ↑](#)

Kindermann to Show New 3LCD Projectors

Kindermann will show at ISE 2009 five new business projectors with 3LCD technology.

For an example, the KXD 2700 is a business projector that's compact and with very low fan noise (28 dBA, eco mode), password protection and LCD resolution of XGA 1024 x 768 and Brightness of 4000 ANSI lumen.

Contrast ratio is 2000:1 for this 310 x 115 x 230mm model at 3.3 kg.

Go [Kindermann KXD 2700](#)



[TOP ↑](#)

LED "Voxel" Art Allows 3D Modular NOVA

Say Merry Christmas with a NOVA tree...CT Germany is moving this week into a new headquarters (only 300 meters away) in Nürtingen with more than 4500 sqm.

>From their new office, CT Germany will present to the market the 3D video LED object-art they call NOVA, and what they also like to call "the first "Real 3D" video LED object in modular form."

This 3D LED innovation creates visual effects of unknown depth via coloured LED balls. The LED voxels (What? You don't know what a voxel is? OK, it's short for "volume pixel," the smallest distinguishable part of a 3D image. Now can we move on?) can be individually addressed and have a screen refreshment rate of 1/25 of a second, i.e. the equivalent 25 pictures per second, a voxel diameter of 4 cm and a colour- depth of 16 millions colours.



The "real 3D" LED object is animated by user-defined video- or graphics sequences that can be presented at an angle of 360°, creating a different perception of space. The representation in 3D, made possible by software developed at ETH Zürich, allows artists to creatively present contents with an emotive dimension.

A nearly infinite amount of creative possibilities is possible but what caught our attention was the NOVA Xmas tree image on their web site...

Go [NOVA at CT Germany](#)

[TOP](#) ↑

WHAT'S THE BEST WAY TO SELL ACROSS ALL OF EUROPE ?

AUSTRIA - BELGIUM - CZECH - FRANCE - GERMANY - GREECE - GREENLAND
FINLAND - ITALY - DENMARK - MALTA - NORWAY - SWEDEN
ESTONIA - LATVIA - MOLDOVA - MONACO - NETHERLAND
UKRAINE - CROATIA - BULGARIA - ROMANIA
SERBIA - SLOVAKIA - POLAND - RUSSIA - SPAIN - SLOVENIA...

ARE YOU SELLING IN ALL 50 COUNTRIES ?

You Can Reach Distributors & Retailers in all of EMEA by our Publications.
Ask about our cost-effective programs: TDC.EMEA@gmail.com

Control & Integrator Solutions

Crestron Open Door Days Previews ISE

Crestron UK opened the doors to its Cobham HQ last week with a 3-day event launching a number of "firsts" that preview what you'll see at ISE from Crestron.

For example, Crestron's DigitalMedia is "the first complete HD AV distribution system that allows virtually any mix of AV sources to be distributed throughout the home from a centralised rack location". Visitors learned how the DigitalMedia system distributes uncompressed digital audio and video signals over a choice of CAT5e/6-based copper wiring or a single multimode fibre cable. A full selection of switcher input cards, wall plate transmitters, and room controllers provides connectivity throughout the home, supporting a range of analog and digital signal types all through one switcher.



Crestron also showed how it is the first lighting control manufacturer to deliver a 17th Edition compliant lighting control solution for the UK market with its exclusive DIN Rail solutions.

While the 17th Edition is demanding in its requirements, Crestron dealers at the event were reassured the new DIN Rail solutions feature 16 circuits with input breakers and output RCCBO (necessary for 17th Edition compliance) and are pre-built and shipped as a totally integrated unit featuring processor, adaptive modules and all input and output protection. In addition to this, the system will also report to a Crestron touch screen the energy consumption (in kilowatt hours) from the lighting system in use.

Go [DIN Rail, DigitalMedia and more Crestron](#)

[TOP](#) ↑

TOA Network-Enabled Voice Evacuation



A scalable new system for configuring versatile PA applications, TOA's SX-2000 Series features new matrixing capabilities, so a single system can have its components distributed in different locations under centralized control.

Ideal for large scale installations ranging over multiple buildings as well as local systems, the SX-2000 Series is particularly well-suited for airports and railway stations, factories, shopping malls and large offices.

The system's versatility is ensured by such features as a dual power source and redundant backups for fail-safe operation, making it a cost-effective solution for virtually any installation, and without long lead times or the expense of a custom system. A fireman's microphone feature is also included.

Go [TOA](#)

[TOP](#) ↑

Multidyne's New Larger LiGHTBoX LB-1430

By introducing its LiGHTBoX LB-1430 fiber optic field transport system, MultiDyne addresses the need for fiber transport in apps where battery-powered equipment is required (i.e., field and harsh environment applications like ENG, sports, and military)

The new and larger LiGHTBoX LB-1430 offers virtually any signal configuration-- and can link via a single fiber to most of the MultiDyne fiber optic transport product line.

Now almost every MultiDyne product can be packaged in a LiGHTBox so the new platform offers many possibilities and configurations.

Go [MultiDyne LiGHTBoX LB- 1430](#)



[TOP](#) ↑

ITU Creates Home Networking Standard



ITU. Those very three letters can make even those elephants, those telecom operators, quake.

The powerful ITU is 2nd oldest international organization established to standardize and regulate international radio and telecommunications. It is one of the specialized agencies of the United Nations with its HQ in Geneva, next to the main UN campus.

With VoIP, the ITU looks to set web-based standards that affect telecom. Now they have approved the "first global standard offering an in-home, high-speed network capable of delivering room-to-room HDTV,"

"G.hn" is a set of specs that promise high quality multimedia over power, coaxial, phone and other home network wiring. It will, says ITU, allow up to 20X the throughput of existing wireless technologies and 3X of existing wired technologies.

The specifications will be used by chip manufacturers to build transceivers that can be incorporated into set-top boxes, residential gateways, home computers, home audio systems, DVD players, TVs or any other device that might be connected to a network now or in the future.

The HomeGrid Forum, a new industry group, will create a compliance and interoperability program and market G.hn worldwide. And you can bet it is filled with telcos and service providers.

The ITU says products could be out as early as 2010 but the MAC layer (media access control) of the standard is still being worked on..

Go [ITU in Your Home](#)

[TOP ↑](#)

NuVo Whole Home Audio Expands in Europe

NuVo Technologies will unveil a series of innovations tailored specifically for the European market at ISE 2009, including new DAB and FAM dual tuners, country specific keypad designs and newly extended system support for four major European languages.



Introduced at the show will be Russian language support for NuVo's Essentia E6G and Grand Concerto whole-home audio systems. With simple programming from the installer, homeowners can choose to view menu options and control the system in Cyrillic script for complete ease of use. Other language formats currently available include Spanish, French, German and English. NuVo has plans to roll out further European language support over the next 18 months.

NuVo's single rack NV-T2DAB dual tuner receives FM and DAB broadcasts simultaneously. The tuner's signals can then be distributed throughout a home using NuVo's Essentia E6G or Grand Concerto whole-home audio systems. A further significant feature is metadata display. As with all NuVo music source equipment, the two output DAB tuner displays metadata on NuVo display pads, which, says NuVo, "is not possible with freestanding DAB devices nor available as a feature in equipment provided by other distributed audio manufacturers."

In another move to support European growth, NuVo will showcase its new style, in-wall control pads, featuring low energy, OLED (Organic Light Emitting Diode) screens complete with a range of faceplates designed to meet individual country sizes and tastes across the region. Also on display will be a new, hand-held Wireless Control Pad, allowing remote control of Essentia E6G and Grand Concerto systems and sources complete with metadata

Go [NuVo Whole Home Audio](#)

[TOP ↑](#)

Home Networking: \$1.8 billion in 2013

An ABI Research study on residential gateways forecasts home networking consumer premises equipment and aggregation devices will deliver at least \$1.8 billion in annual revenues by the end of 2013.

A separate, second ABI study says shipments of four classes of wireless audio and video connectivity products for the home (150 million this year) will increase to nearly 700 million units worldwide by the end of 2013.

Bluetooth, WiFi, UWB and 60GHz (for in-home wireless distribution of uncompressed HD video.) will coexist and become closely integrated according to their strengths and specialties. Analysts say once UWB begins to hit its stride around 2010, it will show the highest Y-to-Y growth rate of any of the four technologies.

The study names SiBEAM (for the 60 GHz HD video) and Amimon. (pioneering the concept of the video modem) as two critical tech suppliers.

Not everything is going up: a third study says global market for set-top boxes (still growing gradually over the next few years) will peak at around 110 million shipments in 2012. Then STB unit volumes for all platforms – DTT, IPTV, DBS, and CATV will begin a gradual decline.

The decline in shipments after 2012 is mainly due to the transition to digital television. Pay-TV platforms will be affected through 2012 by over-the-top video, and substitution by residential gateways, media hubs and gaming boxes. TV makers will also integrate STB components into the TVs themselves.

Not all bad news: ABI says revenues for all STB platforms declined significantly 2007 to 2009, but should recover by 2010 and remain stable through 2013.



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

Do you have a special topic you would like to address industry-wide? We're open for **Guest Editorial** comments on the industry from Europe... Sorry, no commercials...this is just for industry issues. Contact: rAveEurope@gmail.com

[TOP ↑](#)

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). Swim for Smiles raises money for the North Carolina Children's Hospital through fun, active athletic events involving kids and swimming.

The Distribution Channel Ltd. is responsible for all opinions and content published in rAve Europe. The content in rAve Europe does not necessarily reflect the opinions of Kayye Consulting DBA rAve [Publications] or any of its sponsors. Kayye Consulting DBA rAve [Publications] is not liable for any of the content or opinions published in rAve Europe.

[TOP ↑](#)

Newsletter Options:

- [Click here to subscribe and receive our newsletter regularly](#)
- [Click here to send us your feedback or company news at rAveEurope@gmail.com](#)
- [Click here if you are interested in the home A/V market in Europe](#)

[TOP ↑](#)