Newsletter Sponsored by Projecta, Vogel's Pro and DLP

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Tell Your AV Colleagues: NEC Shows Mini-Projector, Pen Networking at CeBIT

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Industry News

Dallas for Next Year's NSCA

The next annual NSCA moves to Dallas for 2008. NSCA says the Las Vegas convention center had reduced meeting space available that would have hampered the association's plans for specialized sections of the show (such as this year's Connected Buildings Conference).

The conference will also be a bit earlier in the year: February 19-23, 2008. NSCA plans to return to Las Vegas in 2009 and return to its Orlando-Las Vegas rotation.

For more info, go to **NSCA**

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Click above for more information

Projection & Screens

Peeking at Pico, DLP Small Enough for Your Fingertips

During the CTIA Wireless (the USA equivalent to Europe's 3GSM event), DLP showed a few key press members a prototype of a DLP pico-projector-- small enough to fit on your finger tips.

The pico projector fits into a mock-up phone and contains 3 lasers, a DLP chip and a power supply - all in 1.5" in length.

The DLP pico-prototype advances TI's mobile projection technology (building on the 2006 intro of DLP-based pocket projectors now with 1M units expected by 2010).

Says Frank J. Moizio, WW Strategic Marketing and Business Development Manager, TI DLP Front Projection. "Over the next few years, we envision a large opportunity for the convergence of projection technology and mobile devices, like cell phones," Moizio added.

As the OMAP wireless app platform has helped revolutionize processing of media content on mobile devices, DLP pico-projection technology should advance the viewing experience of mobile devices.

For more info, go to **DLP Pico Projector**

TOP

50% Smaller: 17,000-Lumen DLP Cinema Projector

Christie introduced at SHOWEST in Las Vegas a new 3–chip DLP digital cinema projector to its 2K resolution line. The CP2000-ZX DLP Cinema projector, especially designed for small to medium sized theaters or post production, is specified at 17,000 lumens (customizable from 9,000 up), 35.2 trillion colors, 2048 x 1080 resolution, and 2000:1 contrast ratio. The full 17,000 lumens can project on screens up to 45 feet. There is a variety of lenses as well as an optional 1.26x anamorphic lens.
The smaller chassis measures 42" x 25" x 16". Christie says this projector is not only smaller, it's also more affordable.

Also noted: Technicolor Digital Cinema business selects Christie CP2000-X digital cinema projector for the Technicolor North American beta test of end-to-end digital cinema services and equipment

For more info, go to **Cost-Effective Digital Cinema**

TOP

User-Changeable Color Wheels, Changeable Bayonet Lenses

NEC brought a new projector to both CeBIT and NSCA tradeshows this month. The NP4000 has more versatility than most for the price point. This 5000-lumen DLP lets installers choose between a user-changeable four or six segment color wheel (so you can select which is best if your customer is displaying video vs presentations.). It also features five changeable bayonet-style lenses for projection of 0.8 to 8.3:1.

Also, it has motorized lens shift of up to 10% horizontally and 50% vertically for placement anywhere from 2.6 feet to 283 feet from the screen. Focus and zoom are also motorized.

The NP4000 has a dual lamp configuration so one or both can be used at a time and, of course, the two lamps add to

reliability. It comes with RJ45 and LAN connections.

Other specs are XGA 1024 x 768 resolution and 2000:1 contrast ratio.

For more info, go to **NP4000**

TOP

Projecta: New Partner Product Catalogue, 2007-2008 Prices

It's time for the all-new and improved **Projecta Partner Product Catalogue 2007/2008** and **corresponding price list**. This catalogue contains the:

- **Easy Install mounting system applied to the:**
  - *Compact (RF) Electrol*
  - *Cinema (RF) Electrol*
  - *Compact Manual*
  - *ProScreen*
  - *ProCinema*

- **Easy Install electrical accessories**
- **Easy Install soffit bracket**
- **Easy Install installation frame for false ceilings**
- **HomeScreen Deluxe tensioned screen**

- **Presentation of all of the available promotional support:**
  - *Product leaflets*
  - *Home Cinema brochure*
  - *Demonstration rack for projection screens*
  - *Indoor banners*
  - *Demonstration case*
  - *Sample screen fabrics*

The new price list is effectve starting 1 April 2007.

If you would like copies of the Partner Product Catalogue and/or the price list for internal use, you can order these through e-mail: **sales@projecta.nl**

For more info, go to **Projecta Product Partner Catalog 2007/2008**

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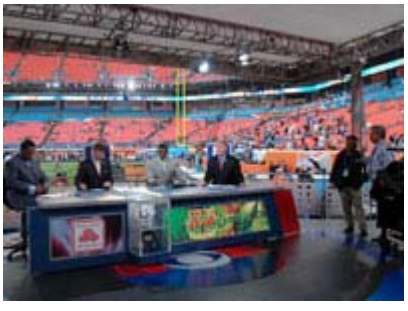
Click above for more information

Displays

Super Display for SuperBowl



It's called the SuperBowl, America's greatest sports spectacle, but it was a wet and miserable evening in the Dolphins Stadium, Miami.

Bringing the NFL American football action to a worldwide TV audience of millions, CBS Sports Television's open-sided pitch-side TV studio saw host Dan Marino-- and a Lighthouse R4 4mm LED screen used to display the game's score and NFL graphics.

The R4 was arranged three panels wide by one panel high, measuring 6.3 feet x 1.57 feet, mounted on the front of the studio desk. The Lighthouse LED screen was seen by more than 94 million…the biggest group of Superbowl fans ever.

The fine pixel pitch of the screen meant complemented the high def cameras used to film Superbowl for the first time.

Says Joe Lapchick, Sales Manager, Eastern Region US for Lighthouse, “The visual presentation industry is rapidly changing and this event highlighted the fact that our LED screen technology is ideal for any environment where moving imagery is required - from large scale fixed and rental environments right through to small television studios, filmed in high definition.”

Oh, yes… the Indianapolis Colts won the Superbowl, beating the Chicago Bears, 29-17.

For more info, go to **Lighthouse**

TOP

New 57-Inch Professional LCD from Planar

Planar Systems is shipping a 57-inch professional grade LCD panel, the m57L. The m57L is specified at 1920 x 1080 resolution, and Planar says it is built with features such as resistance to image quality degradation, higher brightness and broad source compatibility.

The m57L has Serial Digital Input (SDI) that is capable of accepting standard definition and high-definition SDI resolutions. The 1080p native resolution enables the multiple window display to create an active image area approximately equal to seventeen 14-inch CRT monitors, says Planar, a common configuration in broadcast control rooms (one of the target applications). The m57L is also preconfigured with presets for common color temperatures.

It uses improved sharpness scaling and 10 bit gamma processing, can automatically synch with a variety of input signals and has a built-in real-time clock for scheduling events, such as power off, source switching, etc. Built-in tiling (Planar’s Big Picture), mullion compensation and digital loop through are provided for applications requiring multiple, tiled displays.

For more info, go to **m57L**

TOP

HD 50-Inch Pro Plasma from Pioneer

Shown for the first time in the U.S. at NSCA, Pioneer says the new PDP-5000EX is one of the few HD plasmas capable of accepting and displaying the 24Hz rate for viewing a film’s original sequence (Pioneer says the refresh rate on the panel is actually 72Hz).

Pioneer is targeting film studios, post and authoring houses as early adopters of this panel.

The company says 15 years of development went into some of these newer technologies. The Deep Waffle Rib Structure “makes each cell deeper to increase overall phosphor area for a brighter image.” By casing each cell with horizontal ribs, light leakage is lessened from neighboring cells for sharper, more accurate images. A new T-shaped electrode prevents misfiring of individual cells despite the fact that each individual cell is half the size as previous generations, so Pioneer says the PDP-5000EX can maintain sharp, bright accurate images when reproducing at a native 1080p resolution.

There is a Crystal Layer sandwiched between the plasma glass and the individual light cells, which the company says conducts energy more efficiently, so each cell is charged and discharged at a faster rate, improving contrast and brightness while using less energy, and giving you a smoother transition from color to black for deeper blacks and better detail in dark scenes.

Other technologies include High Quality Up-Conversion to 1080p for minimizes interlacing motion artifacts, PURE Drive 2 HD Signal Processing for low noise, high contrast and natural color, and a Direct Color Filter reduces ambient light reflection.

For more info, go to **Pioneer USA**

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vogel's Professional

INNOVATIVE SUPPORTS...

Click above for more information

Control & Integrator Solutions

Electrosonic at IPSEC with 3 Terabyte VN-MATRIX Recorder

At IFSEC 2007 in UK in May, visiting security specifiers will find Electrosonic launching their new VN-MATRIX Recorder, a network attached storage (NAS) used to digitally record and playback high-definition computer graphics, video, audio and data interfaced through VN-MATRIX network interfaces.

This 3-terabyte NAS digital recording solution enables complex multiple displays, involving HD, high motion video, and graphics, to be recorded.

Note the ability (after recording) to instantly play back an exact reproduction of everything displayed on the main video wall at the time of any incident.

Solutions with VN-MATRIX and VN-MATRIX Recorder also can interface and distribute both live and recorded CCTV video content across LAN, WAN and VPN connections for broader collaborative applications.

Electrosonic will also be showcasing its range of security specific advanced media solutions and image management products including VN-QUANTUM display image processor (currently the central processor within in a number of critical control room environments, including the Bradford University Security Control Room, Highways Agency Regional Control Centres, and West Sussex County Council).

For more info, go to **Electrosonic VN-Matrix NAS**

TOP

Wireless Clocks Serve as Repeaters, Transmitters, for Accurate Times

With Sapling's clock system, every clock on the "network" can be kept accurate as if directly connected to a web-based atomic clock. They showed off this wireless digital and analog clock system at NSCA.

Both the analog (SAL series) and the digital (SBL series) act as both transmitters and repeaters to keep all the clocks on the system accurate. The battery clocks transmit and receive the signal once every four hours; the digital clocks transmit once a minute.

The wireless system uses Sapling's transceiver as a master clock, and it uses a TCP/IP internet connection to an atomic clock web site, and can interface with Sapling's other systems.

For more info, go to **Sapling Wireless Time**

TOP

Middle Atlantic Brings Temperature Control Solutions to NSCA

Middle Atlantic has several new cooling gadgets for keeping components from overheating. The COMP-COOL Component Cooler removes heat right at the source, says the company. Optimized for components on open shelving, this quiet cooler turns on automatically when

satellite/cable boxes, receivers and other heat-generating components get too hot.

You place the component cooler directly on top of equipment vents. The COMP-COOL-3 is best suited for systems that require multiple components to be cooled. It is low-profile and fits beneath most equipment. Rubber discs are included to raise the height of stacked equipment if necessary.

For more info, go to **COMP-COOL**

CAB-COOL Cabinet Cooler is for cooling components housed in smaller cabinets and entertainment centers. A nice feature is that it operates only when it detects dust. You can also paint it to match its environment.

How it works: the internal fan activates automatically when temperatures generated by hot-running equipment reach damaging levels.

For more info, go to **CAB-COOL**

Finally, the CLS-COOL Closet Cooler removes heat from equipment racks in closets, places where larger installations located in closets have greater cooling requirements. The Closet Cooler, says MA, is designed to be quiet, yet packs the power needed for handling the greater temperatures produced by a full rack of equipment. Two solid oak vents are visible, but can be stained or painted to match any room's décor. This cooling solution also runs only when needed. It mounts to closet doors and is available with an active exhaust and passive intake for closets with gaps, or an active exhaust and active intake for tightly-sealed closets.

For more info, go to **CLS-COOL Closet Cooler**

TOP

Sansonic Shows Pro Audio Products at NSCA

Sansonic showed a number of audio products at NSCA, including amplifiers, mixers, interfaces for presentation systems, etc.

One focus of their marketing efforts is the company's HNB Modular Mixer/Power Amplifier. The HNB digital amplifier series is a modular, pre-packaged and stand-alone system using familiar plug-in modules. It is compatible to all 4 and 8 ohm speakers and installs into common wall or ceiling using standard NEMA/UL electrical hardware.

It is designed with a Decora-style faceplate, and it can be used in any multimedia environment, for use with projectors, DVD players, iPods, MP3 players and VHS players.

The company mentions stadium skyboxes, museums, concession stands, locker rooms, tradeshow exhibits, retail showrooms, kiosks, and corporate lobbies as current install sites.

Sansonic also has its AudioSuperVision AS24, a two-channel continuous monitoring device for critical PA systems BGM or noise masking systems. This works with anyone's amp.

The mission critical aspect is handled by providing an automatic "hot swap" of backup amplifiers. It also detects a system failure and immediately alarms key personnel to the problem via audible and/or visible alarm devices. It will also alarm in the case of speaker wiring failures such as opens, shorts and disconnects.

For more info, go to **Sansonic**

TOP

New HD Digital Video Processor from Crestron

Crestron announces the DVPHD-PRO high-definition digital video processor. This 10-bit processor accepts up to eight source signals and displays them in up to eight scalable video windows simultaneously. Input and output resolutions are specified up to 1920 x 1200 for RGB and DVI signals. Crestron points to network operation centers, command and control, large venue entertainment and home theater as most

suitable applications.

Crestron says the DVPHD-PRO has the same graphics capabilities as found in Crestron touchpanels, such as 24-bit color, dynamic graphics, dynamic text, full-motion animation and translucent objects. Dynamic text displays customized labels to automatically identify cameras, locations or sources. There is also a full set of dynamic transitions and effects such as fades, pans, reveals, slides and scales.

This can be used as a stand-alone without an external control system for configuration or operation. Operation and system set-up can be done from the front panel LCD or from a web page. But it can also, using the built-in touchpanel interface, transform any third-party touch screen into a full-featured Crestron Isys touchpanel.

For more info, go to **Crestron DVPHD-PRO**

TOP

Media Distribution

New Christie ACT Control & Automation System for Theaters

To automate all the functions in a theater, Christie ACT interfaces with the latest generation Digital Cinema technology and automates the process by translating cues from connected devices. It controls most theater equipment including lighting, curtains, sound, masking and projectors. It can handle a single screen, a multiplex facility or an entire theater chain.

The ACT system is managed via a web interface on any web browser on a networked computer (so handheld computers and laptops can also do the job).

It has pre-defined scripts for supporting known devices, and eight user programmable buttons on the front panel. The Christie ACT uses an open architecture that can integrate fully with any end user application. It can be configured to control sequencing of all devices that it is connected to, as well as listen for server cues and perform user-specified actions. The input and output attachments include RS-232, RS-422, USB, and Ethernet connections on the front and back, and there is also an expansion port for future device support.

For more info, go to **Christie Cinema**

TOP

Plug-&-Play "Pair Picker" Input Module for Audio Distribution

Aviom brought a new AV-P2 module to NSCA. This is billed as an audio distribution solution for venues such as convention centers, hotels, airports and sports facilities. The Aviom AV-P2 output module provides up to two channels of analog outputs from the company's Pro16 A-Net digital audio stream, and independently selectable output levels for left and right channels. Audio is distributed to the AV-P2 over Cat-5e using Aviom's A-Net digital audio protocol. A-Net supports real-time distribution with sub-millisecond latency, and cable runs up to 500ft/150m.

Each AV-P2 receives a 16-channel A-Net stream originating at a Pro16 input module, console interface card, or Pro64 audio network (via the ASI A-Net Systems Interface module).

The analog output level for each channel is set with front-panel DIP switches. AV-P2s can be connected in any combination of serial or parallel connections, using Pro16 A-Net Distributors. And there is no limit to the number of devices that can be daisy chained, or to the number of parallel splits in a single system.

For more info, go to **AVIOM Pair Picker**

TOP

New Podcast Capabilities From Sonic Foundry

Sonic Foundry announces podcasting functionality and automated scheduling for Mediasite. The latest release includes "Mediasite Podcast," which automatically transforms any Mediasite presentation into portable audio content for on-the-go playback with iPods, iTunes, or any other MP3 player. The release also provides

automated scheduling of presentation recordings for larger implementations.

Mediasite Podcast automatically converts any Mediasite presentation to MP3 audio, and then generates an email notification for potential listeners using an RSS feed link. Listeners use the RSS link to subscribe to the Mediasite podcast from iTunes or whatever other podcast software. They then automatically receive new podcasts in their playlist, and can play them back on their computers or download to their iPods or MP3 players.

With Mediasite's new automated scheduling, users create a master schedule of recurring presentations, defining when to automatically start and stop presentation capture on Mediasite Recorders. Also, if the time that a presentation ends is variable, the presenter can hit a “stop” button when it’s over, to stop recording.

For more info, go to **SONIC Podcasting**

TOP

Residential Systems & Digital Home

“Luxury Home of the Year” Installation for USA

This CES Mark of Excellence award recognizes the best integrated system for a multi-disciplined installation (costing between $100,000 and $500,000) while improving the client’s lifestyle and delivering an easy-to-use interface.
The winning installation by 20-year veteran EDG of NJ features a 16-Zone Multi Room Audio system, lighting control, media systems in the Master Bedroom and Library, a screening room on the lower level, 7 zones of HVAC control, and motorized shading throughout the home. All of the sub systems are controlled via a Crestron control system providing off site access, too.

EDG is a one-stop solutions provider in the High-End residential marketplace, winner of 14 national awards from CEDIA, the 2004 CEDIA Dealer of the Year and 2005 CEA Dealer of the Year. So it’s worth taking a look at their installations…

For more info, go to **Top Luxury Home Installation**

TOP

Shut Out That Wi Fi: Wireless-Blocking Paint

EM-SEC Technologies says tests show their EM-SEC Coating System enables wireless networks to operate securely within building, safe from the hackers outside.

The EM-SEC liquid coating restricts the passage of airborne RF signals. Initially developed to aid the U.S. Government to shield operation centers and safeguard mission-critical information, the results show a one-time application creates an “electromagnetic fortress,” preventing airborne hackers from intercepting signals.

“We have developed an innovative shielding system that cannot only be utilized by corporate offices, boardrooms, server and computer rooms and research and development laboratories to protect their digital assets from electronic eavesdropping, but it will also ensure the safe operation of wireless networks”, says Wayne LeGrande, President/CTO, EM-SEC Technologies, LLC.

If your neighborhood has as much Wi Fi as mine, this might develop into a consumer product, too.

For more info, go to **“WiFi No-Stick” Paint**

TOP

RTI Shows Commitment to Custom Install with C2C Initiative

Remote Technologies Incorporated (RTI) unveils C2C or “Committed 2 Custom,” a new initiative to highlight RTI’s devotion to the custom install market.

RTI wants to stand out among remote control lines: C2C should help focus attention on the fact that RTI’s solutions are sold exclusively through trained custom professionals.

Used to program all of the products in the line, RTI's TheaterTouch Designer Programming Software is only available to trained dealers. RTI also provides in-depth product training and technical support through its Advanced Control University that combines all of RTI's training efforts into one program.

"Committed 2 Custom" highlights RTI's commitment to offering its products exclusively through custom dealers and trained professional integrators.

For more info, go to **RTI**

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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

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A little about Gary Kayye, CTS, founder of Kayye Consulting: Gary Kayye, an audiovisual veteran and columnist, began the widely-read KNews, a premier industry newsletter, in the late 1990s, and created the model for and was co-founder of AV Avenue - which later became InfoComm IQ. Kayye Consulting is a company that is committed to furthering the interests and success of dealers, manufacturers, and other companies within the professional audiovisual industry. Gary Kayye's rAVe was first launched in America in February 2003.

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