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Miranda Provides Total Control for WNJU Telemundo 47

Miranda Technologies is driving the HD transition at Telemundo's flagship station

Miranda Technologies has completed its work on a facility-wide upgrade at WNJU "Telemundo 47" New York, including the upgrade of routing, multiviewers and central monitoring and control solutions.

Miranda's solution includes an NVISION 8280 router frame populated with input/output cards that feed the entire facility, including a wide array of Miranda's Kaleido-X and Kaleido-X16 multiviewers.

The multi-format compatible Multiple Densité 3 frames house cascaded Kaleido modular cards that feed the main control room monitor. By cascading the modules, WNJU can increase the picture count per monitor without affecting image quality or processing speed.

The eight-display monitor wall provides a single reference point for full operational visibility, all of which can be controlled with a Miranda RCP-200 control panel.

Miranda's iControl provides facility monitoring and control, including all Densité modular

products installed throughout the facility. The iControl configuration is customized to handle tally management, and the ability to see program and preview tallies from WNJU's switcher in all displays throughout the facility.

"This was a complete rebuild that included infrastructure, monitoring and a core router installation, described WNJU's director of technology & operations Lenny Stote. "When searching for a partner with the expertise to enable us to achieve our goals, we needed to be certain we had a solution that would meet our needs today and keep us ready for our continually changing landscape. Miranda's traditions of delivering scalability, flexibility and cost-efficiency through technology development, service and support track precisely with our driving goals, both now and in the future."

New Jersey-based WNJU is Telemundo Network's flagship station, providing the greater New York Hispanic community with full HD services.

APTN Names News and Current Affairs Director

Karyn Pugliese is the new Director of News and Current Affairs.

She has years of experience investigating and reporting controversial and hard-hitting stories which have garnered national attention. Her stories have won Native American Journalism Awards and she was also nominated for a Canadian Association of Broadcasters' Gold Ribbon Award. She is a proud member of the Algonquin First Nation of Pikwàkanagàn.

With recent experience as a product/host at ichannel, Pugliese has more than 15 years of experience in the broadcast and communications industries, including a previous stint at APTN, where she first worked as an Ottawa reporter/correspondent from 2000 to 2006.

In addition to her experience at APTN and ichannel, she has also worked with the Assembly of First Nations, Vision TV, and the CBC.

"Karyn is a great leader, and we are pleased that she has taken on the challenge of leading APTN's award-winning News and Current Affairs team," said Jean LaRose, Chief Executive Officer at APTN. "I know she will work hard with her team and the

entire network to carry out APTN's mission of sharing our people's stories."

PS Expands IT Leadership with Rupert Penzinger Hire

PS Production Services has named Rupert Penzinger as Director, Information, Innovation and Technology.

He will manage the business's IT operations, and contribute to IT strategic planning and development to at the company as it seeks to capitalize on technology to build its overall business capabilities.

Penzinger joins PS from Orange IT in Toronto, where he was Director of Technology. Previously he held several other senior roles with Canadian Tire Corporation where he developed the company's five-year technology road map to align business objectives with the corporate strategy.

"We are continually integrating more and more technology into our operations which requires an increasingly active response from our IT Department," said Douglas Barrett, President and CEO of PS Production Services Ltd. "To that end, we are delighted to have Rupert on board and we are excited by the sharpened focus and IT leadership Rupert brings to the organization."

BSE SAYS THANKS...

So what happens when you spend 4 months designing and building out a broadcast facility for a primary broadcaster at the UEFA 2012 Euro Cup and the shipping container is destroyed in a trail derailment 6 1/2 weeks to handover day? Broadcast Systems & Equipment, a Toronto based systems integration company, found out the hard way when their shipment containing the final technical facilities for the BBC on route to Warsaw, Poland was destroyed in a train derailment during the first week of April.

"We had been working on this design and build since late 2011 and we now had 3 1/2 weeks to reorder all the equipment and materials, rebuild the system and 3 weeks to get the goods to Poland, finish the install, test commission and make our contractual obligation

for the Euros 2012 for our client the BBC" said Joe Scrivo, President, BSE.

There were still 6 1/2 weeks until the BBC required the equipment installed and working in Warsaw at the International Broadcast Centre for the 2012 Euros. Would all of the vendors be able to respond in time to rebuild the equipment and transport it again from Calgary? "On the same afternoon we were notified, we gave ourselves 12 hours to contact all 33 manufacturers of the products we needed to rebuild the facilities," he recalls. "And if we got a positive response we would rebuild an exact copy. Within 12 hours we had contacted all 33 companies and 32 said they could help us." With the cooperation of the vendors, as well as some ex-staffers who came back and helped, made

the rebuild of this integration project a near 24/7 operation for the ensuing 3 weeks.



"We cannot express enough just how grateful and appreciative we are efforts of everyone at BSE, the support of our staff as well as the freelance and contract staff and everyone else that pulled together against insurmountable odds in order to help us deliver a near exact copy of the system that was destroyed in the derailment."

And to all of our suppliers and manufacturers, we owe an equal vow of gratitude. From all of us at BSE, thank you for pulling out all the stops, for delivering goods and services to us within incredibly short turnarounds, and supporting BSE in your efforts.

I had the opportunity to speak to most of you in person at NAB, along with my partners Gavin Romanis, Stephen Aitchison and Jim Eady, and everyone without fail had the same response when the questions were posed... "we will do whatever it takes" and all of you most certainly did.

Armed only with the belief that everyone would jump to help us in our hours of need, you have proven just how strong the bonds are within this industry.

All of you are evidence of these bonds and that when needed, everyone was ready to help. And did!

**Joe Scrivo, President,
BSE, Broadcast Systems
and Equipment**



BSE THANKS

ITS STAFF, MANUFACTURERS AND SUPPLIERS

BSE, Broadcast Systems & Equipment, had the final technical facilities bound for delivery to the BBC, for EURO 2012, when they were destroyed in a train derailment during the first week of April.

The work on the design and build started in late 2011 and BSE had 3 1/2 weeks to re-order all the equipment and materials; re-build the system and then 3 weeks to ship the goods, to Poland; finish the install; test commission and make contractual

obligation, for the EURO 2012, for our client BBC.

Against insurmountable odds we delivered an exact copy of the system and on time.

To all our staff, suppliers and manufacturers, we owe a sincere vow of gratitude. From all of us at BSE, thank you for pulling out all the stops, for delivering goods and services, to us, within incredible short turnarounds and supporting BSE in your efforts.



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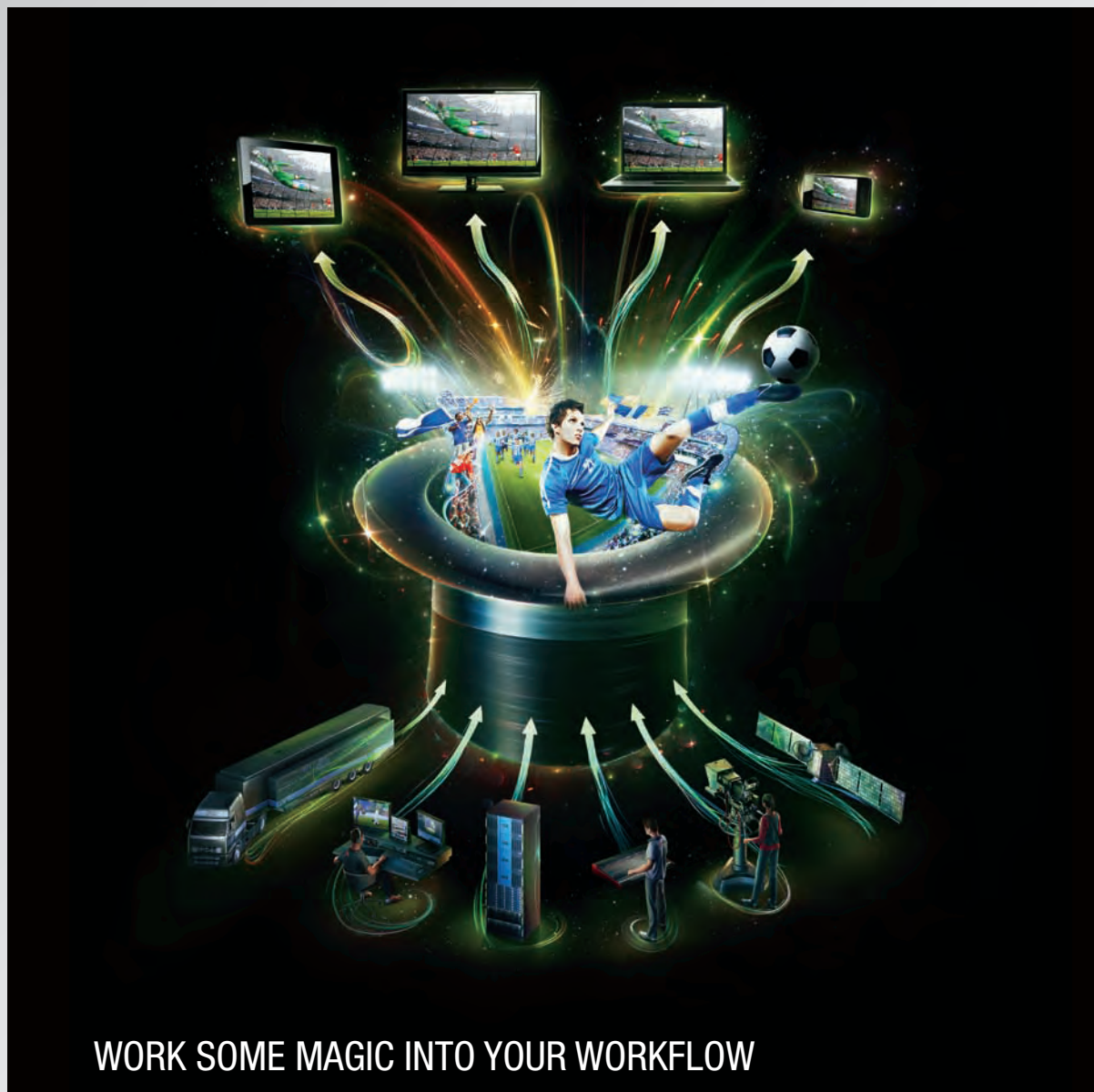
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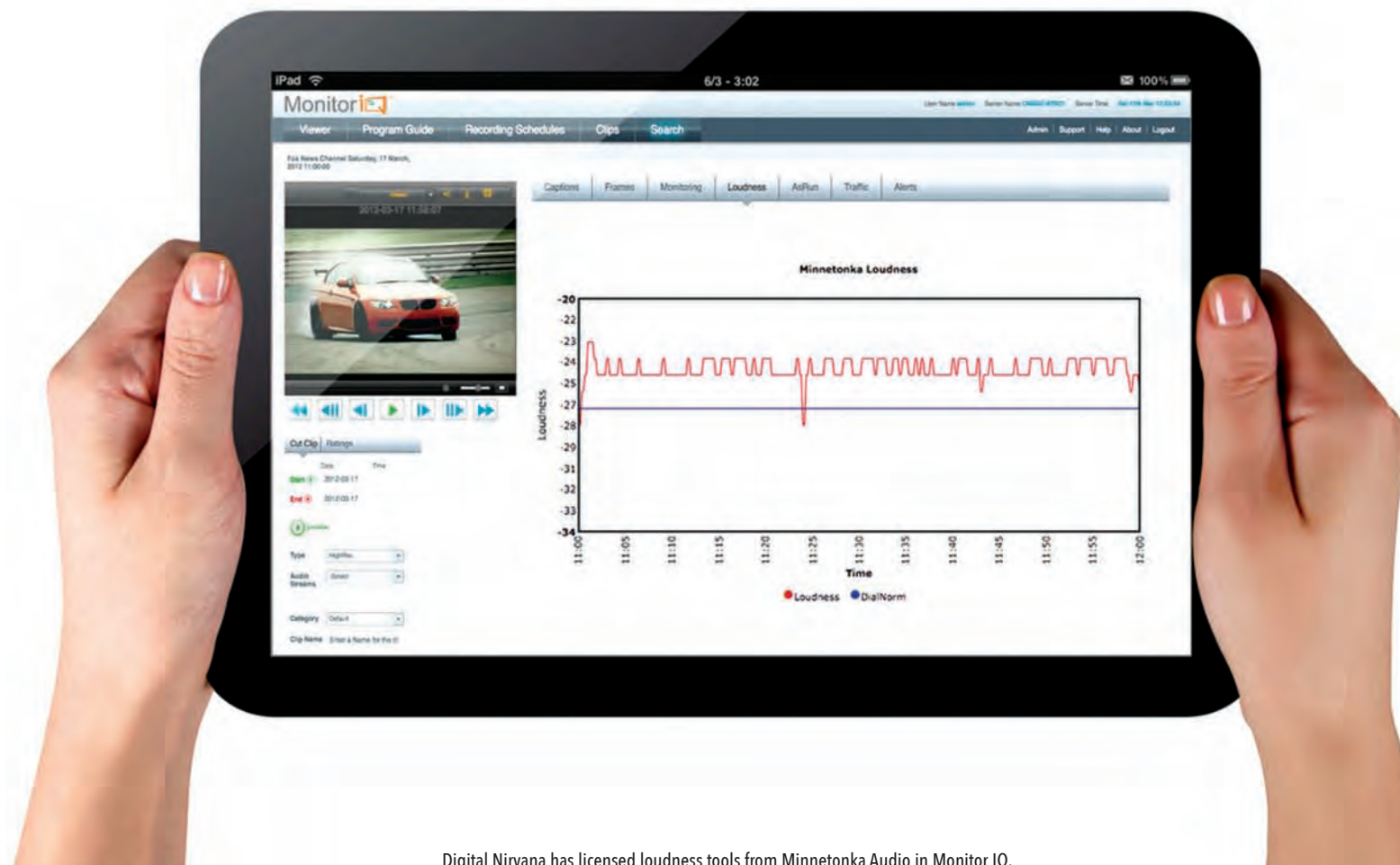
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Broadcast Loudness Monitoring and Logging with Minnetonka



Digital Nirvana has licensed loudness tools from Minnetonka Audio in Monitor IQ.

Digital Nirvana's broadcast monitoring system (BMS), Monitor IQ, supports loudness monitoring and audio logging capability with OEM software licensed from Minnetonka Audio Software, Inc.

Minnetonka Audio's AudioTools Loudness Measurement module enables Monitor IQ users to measure audio levels, perform quality control monitoring, record

and log broadcast signals.

The companies note that there are several international standards for loudness that require strict monitoring and compliance, including the international ITU BS.1770 standards; ATSC A/85; EBU R 128; AGCOM (Italy); and others.

Monitor IQ incorporates Minnetonka Audio's proprietary software within a broader feature set for loudness monitoring and logging of virtually all audio standards.

Digital Nirvana has licensed several Minnetonka technologies, including the AudioTools family of measurement products, for its powerful Monitor IQ BMS. Minnetonka Audio's SurCode software licensed by Digital Nirvana include technologies to decode and monitor Dolby Digital, Dolby Digital Plus, and Dolby E, formats commonly used in ATSC/DTV and surround sound broadcasting.

Pro Plasma Displays from Panasonic with Interactive Features

Panasonic Canada has announced new interactive plasma displays in its PB1 Series, designed for full whiteboard and presentation capability in higher education and corporate meeting rooms.

The PB1 Series features high-speed and simultaneous multiple-input drawing capabilities via the new electronic pen system, the manufacturer describes.

This system detects and displays the pen position 60 times a second on each pixel. The system allows up to four pens to be used at once for actions such as written annotation, drawing and moving items independently around the screen. Additionally, the system includes handwriting recognition software. Because the technology is based on fixed location

pixels, the device requires no calibration, which decreases total installation time as well as follow up maintenance.

Offered as the 65" TH-65PB1, 85" TH-85PB1 and 103" TH-103PB1, the plasma displays also feature optional wireless connectivity via a PC, Mac, iPad, iPhone or iPod Touch. As well, the Panasonic Easy Wireless Stick (ET-UW100) can automatically show a user's PC or Mac screens on the display, without installing any software, using their PC's Wi-Fi, or changing any of the computer's network settings.

The PB1 Series also features SLOT 2.0 Architecture, allowing for PC expandability to run even the most robust software while also providing the flexibility for servicing the PC without dismantling the display from the wall.

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scenes. You can also combine WiFi operation with connected DMX fixtures for multi-light system control.

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MCS-8M

The MCS-8M offers affordable SD/HD switching and audio mixing capabilities in a compact, single piece design for effortless portability. Standard features include: keying, DME transitions, frame memory and multi viewer output. Combined with other cost effective Sony products such as the HXR and PMW series cameras, FWD-series monitors and PMW series recorders, the MCS-8M is an ideal addition to a new small studio or flight pack configuration.



BVM-F250

For reference monitoring applications in the broadcast industry, Sony's leading edge Organic Light-Emitting Diode (OLED) technology and signals processing technology ensures absolutely outstanding performance with the BVM-F250. Affordable price Super Top Emission technology enhances OLED's intrinsic benefits to deliver outstanding black performance, a quick response with virtu-

ally no motion blur, and a wide colour gamut. An all-new 12-bit output digital signal processing engine provides a nonlinear cubic conversion colour-management system that delivers precise colour reproduction, stunning picture uniformity, smoother-than-ever gamma performance, and picture quality consistency. The BVM-F250 accepts various computer signals via inputs up to 1920 x 1080 through its HDMI connector.



NEX-FS700

The new NEX-FS700 Full-HD Super Slow Motion camcorder is the latest in Sony's line-up of NXCAM interchangeable E-mount camcorders. The FS700 is designed for high-speed shooting, capable of capturing footage at up to 960 frames per second and features a range of capabilities such as 3G HD-SDI output and built-in ND filters. The NEX-FS700 utilizes a new 4K "Exmor" Super 35 CMOS sensor and the E-Mount flexibility is designed to accept virtually all SLR and DSLR 35mm lenses with the use of simple, inexpensive adapters. Users can also capture high-quality still images with "face detection" and auto focus to help ensure that a subject is always in focus. The NEX-FS700 offers creative options, shooting styles and enhanced ergonomics to deliver a flexible production tool that can fit seamlessly into a variety of shooting applications.



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Hitachi's SK-HD1200 handheld HD camcorder

Hitachi Shows HD

Hitachi is showing its SK-HD1200 portable HDTV studio and EFP camera and Z-HD5000 HDTV production camera.

Hitachi's new top-of-the-line SK-HD1200 handheld HDTV production camera offers the most advanced digital processing technology available, resulting in low-noise, high dynamic range pictures. The SK-HD1200 features three 2.3 million pixel 1080/60p Ultra-

Advanced CCDs, 3Gbps HD-SDI signal handling from end-to-end, and has the capability to switch between progressive and interlaced signal processing,

transport and outputs.

The camera system simplifies and lowers cost with its ability to use an optical routing system to connect multiple camera heads to any number of CCUs.

Hitachi's Z-HD5000 is the first HDTV model in the company's Z Series product line; the two-piece dockable studio, field and mobile configuration offers high light sensitivity coupled with low vertical smear, the Z-HD5000's three 2/3 inch native 1080i CCD sensors produce 850 TVL of resolution, F10@2000 Lux, and HD Signal to Noise (SNR) level of 58db for a sharp, clean HD picture.

New iPro Lens System takes iPhone Photo & Video to the Next Level

Schneider Optics is going mobile with the release of its iPro Lens System, adding the benefits of interchangeable Wide Angle and Fisheye lenses to the video acquisition capabilities of the iPhone 4.

The iPro Lens System features a rugged black iPhone case, plus Wide Angle and Fisheye lenses that tuck neatly away in the pocket-sized handle/lens case. The components are designed to work together. The lenses use a bayonet mount to securely fasten onto the custom iPhone case. The case also gives users the option of attaching the handle on the left or right side of the iPhone. What's more, the handle itself enables the phone to be attached to a tripod.

The iPro Lens System includes two precision-made, genuine Century lenses developed for photo and video use.

The Wide Angle lens simply twists on to increase the iPhone's field-of-view by 35 percent -- over 1/3 more -- with low distortion and edge-to-edge sharpness. For a super-wide, distorted effect, there's the Fisheye lens for opening up a still field of view by a some 165°.

iPro lens housings are machined from aluminum alloy and anodized for durability; lens elements are ground and polished optical glass with multi-layer anti-reflection coatings.



New Lenses for iPhone video and photo acquisition from Schneider Optics

LightWave 3D Group Reveals LightWave 11.5

LightWave 11.5 is the newest version of NewTek's 3D modeling, animation and rendering software.

New features streamline productivity in a complete 3D pipeline, including a new Genoma character animation and rigging system for Modeler, predator and prey flocking, Instancing, soft-body Bullet Dynamics, interchange support for Adobe After Effects and Pixologic's GoZ Fiber Mesh, major workflow enhancements, and more.

New functionality and architectural advancements in Modeler allow for faster interactivity, performance, and tool development. LightWave 11.5 introduces many new tools like UV Unwrap, Edit Edges, Place Mesh, Slice, Thicken and Heat Shrink that emphasize the system's power and lay the groundwork for future third-party modeling tool development.

A specialized particle system that allows items to move in very organic ways, Flocking offers new prey and predator behaviours that allow flocks to chase other flocks or have flocking agents seek out and chase the closest prey. Neutral flocks do not chase or chase but still affect other agents for collision avoidance. Other new features include Plane, Pursuit and Arrive directors and the addition of node controls.

Now includes Per-Object control of scale, stretch, offset, rotate and nodal controls, along with new Copy and Paste functions and Path Mode optimizations for greater flexibility and workflow.

VPR transforms how artists work in LightWave with fast interactive onscreen rendering. LightWave 11.5 now supports depth-of-field and motion blur effects and stereoscopic rendering in VPR.

LightWave 11.5 is expected to ship Q4 2012.

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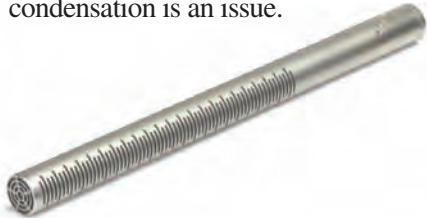
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RØDE Microphones

NTG-3

The RØDE NTG3 super cardioid shotgun microphone is designed for professional use on film, television, ENG and wherever high resolution broadcast audio is required. The NTG3 exhibits superlative audio quality with a rich warm quality and a full frequency response. Its RF bias technology makes it almost completely resistant to moisture, making it the only option when recording in demanding environments where condensation is an issue.



NTG-8

Based on RØDE's award winning NTG3, the NTG8 is a broadcast quality RF-bias shotgun microphone that exhibits increased directionality across a wide frequency response range. This makes the NTG8 the perfect microphone for film, television, sports and outdoor broadcasting, live performance, and any professional distance miking application.



BLIMP

The RØDE Blimp is a complete windshield and shock mounting accessory for the NTG-1, NTG-2 and NTG-3 microphones, as well as any third party shotgun microphone up to 32.5cm in length. And with the use of the new BLIMP Extension option, can now accommodate mics up to 56.1 cm long line the NTG8, its adjustable dual-hoop suspension design greatly reduces handling noise, while the acoustically transparent dome provides protection against wind noise.



Procaster

The RØDE Procaster is a professional broadcast quality dynamic microphone, specifically designed to offer no-compromise performance for voice applications in the broadcast environment. Featuring a tight polar pattern and tailored-for-voice frequency response, the Procaster is perfect for every application where a great sounding, robust microphone with superior ambient noise rejection is demanded.



PSA1

The PSA1 is a studio boom arm for radio, broadcast, studio and home use. It provides full 360 degree rotation. The PSA1 has a horizontal reach of 820mm, and a vertical reach of 840mm. It is supplied with velcro cable wraps and both desk-clamp and desk-insert style attachments for versatile mounting in desks up to 55mm thick (clamp) or 70mm (insert). (PSM1 shock mount sold separately)

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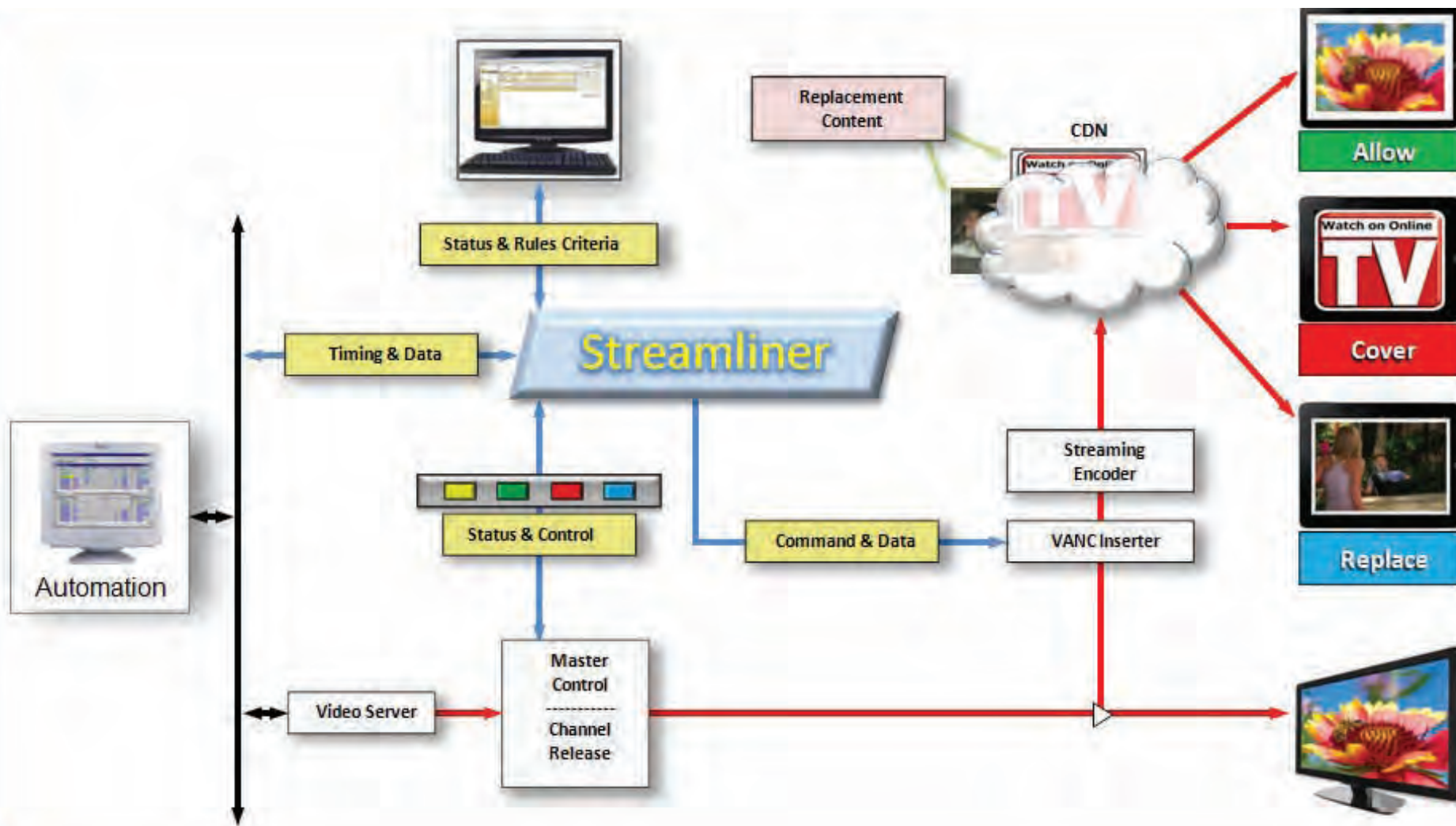
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Streamliner's real-time streaming workflow incorporates program content and ad triggers.

VDS Delivers Streamliner for TV Everywhere

VDS is shipping its new Streamliner platform for real-time streaming applications; the system can automate and synchronize the triggers that control and replace distributed media segments.

In addition to substituting linear broadcast commercial spots with streaming ads, for example, Streamliner provides an automated way to manage content rights issues by substituting different program content when conditions apply so only the proper and approved content to make its way to the Internet.

As the linear channel is broadcast, Streamliner automatically generates SCTE104 commands according to pre-determined rules that are precisely timed

to the program content, the manufacturer describes.

Streamliner's suite of modules allow for the application of rules and conditions to the generation of SCTE 104 messages to be interpreted by a stream encoder/ injector, resulting in the insertion of a variety of trigger messages (SCTE 35) including start and end points for splices.

Streamliner's rules-based engine provides for the application of deterministic information within the SCTE 104 messages, which in turn could instruct the downstream splicer to play alternate content from an ad server, the company describes.

The Association of Central Canada Broadcast Engineers, Technologists and Technicians Inc.

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Anton/Bauer's new AB HDTX System for transmitting HD signals

Anton/Bauer Powers New Wireless HD System

Anton/Bauer's new AB HDTX System is now available, providing a compact 5.8 GHz COFDM RF system for transmitting HD signals over great distances.

The AB HDTX sends its signal directly to the AB HDRX dual-diversity receiver or the DirectVu handheld confidence monitor/receiver.

The AB HDTX System has an RF output of 100 mW and is capable of accepting a wide range of HD/SD video formats along with embedded audio from the HD SDI output on the camera. The use of MPEG-4 compression allows the signal to travel a half-mile in line of site applications. The system offers users the flexibility to be able to choose from 12 different channels in which to transmit to ensure the least amount of interference.

The unit is powered by Anton/Bauer batteries. As the system only draws about 15-watts, Anton/Bauer batteries, including the DIONIC 90, HC and HCX, can offer reliable power for extended periods of time.

Portable Live Streaming & Encoding Appliance from DVEO

DVEO is introducing its new and compact real time streaming appliance that delivers content to iPads, laptops, OTT televisions, and mobile devices via IP.

The new portable Linux based MultiStreamer DIG/IP (micro) encoder/live streamer is only 9.8 inches (25 centimetres) long and 7.8 inches (19.8 centimetres) wide.

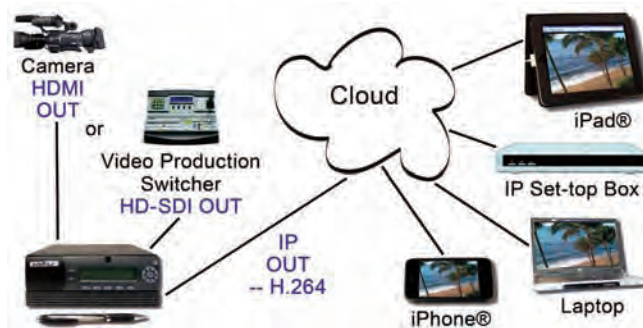
It weighs about five pounds, or 2.27 kilograms.

The system takes in uncompressed SDI or HD-SDI video (or optional HDMI or analog) from cameras, editing systems, or video servers, and supports simultaneous IP input.

The "micro" creates multiple simultaneous high, medium, and low bitrate IP streams and sends them to smart phones, tablets, content delivery networks (CDNs), and remote video capture devices. The IP transport streams can be provided with most industry standard protocols, including UDP, RTP, or IGMP, and wrappers such as HLS, RTMP, RTSP, etc.

The MultiStreamer DIG/IP (micro) runs on a high end Intel I7 4 Core (Ivy Bridge) processor. It encodes up to one 1080i or 1080p HD stream plus one 720p HD stream at 6 Mbps, and 2 SD streams at 2 Mbps. Audio output is AAC, Ogg Vorbis, optional MP3, optional MPEG-1 Layer II, or optional "SurCode for Dolby Digital" AC-3.

The MultiStreamer micro is also available in numerous video formats. All systems include one GigE IP input. Customers may select one additional input format - SDI/HD-SDI, HDMI, 8VSB, DVB-T+T2, Analog, DVB-ASI, DVB-S+S2, QAM, or DVB-C. The systems include schedulable input



- they can receive input at a specified date and time.

Supported resolutions include qHD, H.264up, SQVGA, QCIF, QVGA, CIF, 720p, or any custom size up to 1080p. The systems feature a web-based GUI with SNMP support for remote access.

DVEO's MultiStreamer streaming appliances are also available in other configurations, including 1, 2 and 3 RU units and 1 RU blade systems. All MultiStreamers have been tested to be compatible with major brands of IP devices including Amino, Roku, Atlanta DTH, and Apple iPad and iPhone. They are also compatible with major brands of CDNs and H.264 decoders.

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FOX, HBO, USA, SyFy, Discovery, Animal Planet, History, National Geographic Channel, Cartoon Network, Nickelodeon, Warner Brothers, Disney, and more!

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**New TriCaster a
Social Creature**

Social interaction with viewers is fast becoming a necessity for media programming, be it live or recorded, that's produced for the Web. Broadcast and cable programmers also see that the seamless integration of professional content with social media interaction provides immediacy, relevant content, and a unified brand for both traditional video and social media audiences.

For example, the TriCaster 8000, one of a new generation of integrated production systems from NewTek, now includes a new social media-savvy "Share" panel that lets video clips, individual stills, or batches of ISO-grabbed frames from a live show to be distributed to multiple social media platforms, including: Facebook, YouTube, Twitter, and Flickr-or FTP-transferred to a directory-in a single pass.

The new line includes other "industry firsts" as standard features, such as Apple AirPlay support, and NewTek's IsoCorder technology for recording of multiple input sources and output options with embedded timecode and four audio tracks.

IsoCorder technology has been updated to include support for virtually every nonlinear editing application for both the Mac and PC, without the need for transcoding. Audio mixing is more flexible with the ability to delegate the process to a separate iPad control app, or one of the Avid Artist series control surfaces.

The effects implemented in the new TriCaster series offer real-time warping that makes it possible to fly video away on a cloth-like surface, or integrate warping video into transitions in limitless ways, with sound. TriCaster effects are further enhanced with the innovative new TransWarp engine, which provides the ability to build warping transitions for every visual source, including overlays

The TriCaster 8000 introduces extensive integration and customization options that include; virtually limitless scalability with third-party router support, recordable macros that can be triggered simultaneously, along with extensive effects and graphics capabilities with eight M/E rows.

7 new models

7" Production Viewfinder



LVM-074W

24" Wide-Gamut



LVM-247W

2 New Rack Mounts



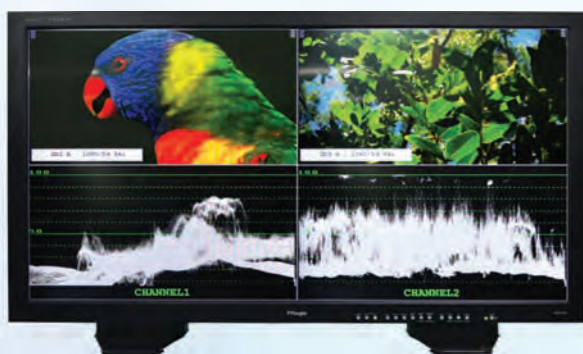
LVM-174W/LVM-212W

17" Color Critical



XVM-175W

47" Quad LCD



LQM-471W

32" Color Critical



XVM-325W

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Integrates easily

Ki Pro Rack fits right into your existing cabling and routing with professional connections including; SDI, HDMI, component analog, AES, analog and embedded audio support, LTC input/output, RS-422 control, Genlock and LAN networking.



Standalone operation

Anyone familiar with the operation of a tape deck will feel at home immediately with Ki Pro Rack. Front panel controls and an intuitive interface allow standalone operation and gets your staff up to speed right away.



Accelerate your production

Capture high-quality Apple ProRes and Avid DNxHD files direct to Ki Pro Rack's removable Storage Modules, eliminating time-consuming logging and capturing from tape. Files are ready to use in your NLE immediately.



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