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LIVEU DEMONSTRATES THE COMBINED POWER OF 5G SLICES AND BONDING FOR REMOTE CONTRIBUTION

Date: 25/05/2022

In a recent "first", LiveU tested how 5G slices – the ability to segment a 5G network to provide guaranteed upload bandwidth and latency – can serve global media remote production. This was done together with Ericsson and RAI as part of the work the three companies are carrying on in the EU 5G-RECORDS* project, designed to develop, integrate, validate and demonstrate specific 5G components in end-to-end 5G infrastructures for professional AV media content production.

In these series of tests, an LU800 PRO portable transmission solution transmitted multiple A/V feeds via an Ericsson 5G Stand-Alone (SA) private (NPN) 5G lab setup in Aachen Germany to the public internet and into the RAI Studio Labs in Turin Italy. There, a LiveU LU2000 server received the video and outputted it as SMPTE. In the 5G network, one slice was configured to provide approximately 60 Mbps as an uplink-oriented priority over the second slice. This was set up to provide the remaining capacity, approximately 50 Mbps, on a best-effort basis.

Baruch Altman, AVP Technologies and Projects, LiveU, said, "This was a very important, comprehensive set of tests of network slicing scenarios, providing clearly measurable results. The trial also highlighted the key role that LiveU's IP-bonding will play when it comes to resilient professional production in real-world conditions, including where and when dedicated slices for upload (UL) will be deployed."

In some tests, the transmission was conducted with a single modem over the uplink-oriented, "guaranteed performance slice". In other tests, transmissions used the best-effort slice. In further tests, the transmission used LiveU bonding of both the uplink-oriented "guaranteed performance" slice and the remaining slice. Additionally, transmission performance was measured while emulated congestion was applied to the network in parallel to the LU800 PRO uplink transmission.

Altman added, "The tests showed that the LU800 modem was allocated the full 60 Mbps of the "guaranteed bandwidth" slice when it transmitted alone on it, even when UL load was emulated onto the second, best-effort slice. However, when the "guaranteed UL performance" slice was then deliberately congested, uplink bandwidth allocated to the LU800 modem for the media production was, as expected, reduced. When the LU800 PRO also used a second modem – thus bonding that lower-performing shared "guaranteed UL bandwidth" slice with a completely other (commercial) network – the transmission bandwidth of the LU800 significantly increased and the uplink transmission was sustainable and reliable with high bandwidth. Successfully bonding transmissions over two slices, the uplink-oriented "guaranteed bandwidth" bonded with the best effort one, was also demonstrated in these trials."

Several additional capabilities of the LiveU remote production solution were trialled in this 5G scenario, such as remote audio capabilities (intercom and return audio), remote control of camera iris/shading over the integrated LiveU 5G IP-PIPE remote device control service, and LU2000 SMPTE-2110 A/V output compliance.

Altman said, "LiveU customers are looking for guaranteed bandwidth, latency and reliability and that applies equally in the 5G era as previously. It's unlikely that in real-world, commercial remote productions, using either private or public 5G networks, a high-bandwidth UL-oriented "guaranteed performance" slice will be allocated in its entirety to a single transmitting modem/camera. And that's before accounting for less optimal conditions and coverage, 4K transmissions etc. LiveU has played a highly active role in a multitude of 5G trials, alongside real-world uses, so that we're ready and best positioned to allow our customers to take advantage of any and all 5G developments, network slicing included. This trial shows that even in that situation, IP bonding provides a level of resiliency otherwise simply not possible and that's vital for customers operating in the world of live production."

Tags: 5G testing | 5G | network slicing | IP bonding
Submitted by Joss Armitage (Jump PR)
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Chyrons PRIME 4.5 Release Adds Efficiency to Data-Driven Graphics, Eases Shift to Cloud-Based Video Workflows   **Posted:** 02/06/2022

Chyron today introduced PRIME 4.5, a new release of the company's pioneering software-based live production platform that bridges conventional broadcast workflows with the future of live content creation and distribution. New features and enhancements in PRIME 4.5 simplify the shift toward cloud-based workflows for live uncompressed video, give users more control over live data without the need for complex scripting, bring added efficiency to common data-management and scene-building tasks, and automate fluid virtual camera effects within a scene.

Tags: Graphics | Augmented Reality | Production Switching | Cloud-Based | Video Workflows | Prime Live Platform

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Marketron to Host Webinar for Broadcasters on Winning More Political Ad Dollars

Posted: 02/06/2022

Marketron, the leading provider of enterprise revenue management and digital software solutions, today announced that it will host a webinar called "Win the Ad Race: Insights From Political Advertising Experts" on June 16 at 1 p.m. Eastern. The webinar is intended to help broadcast sellers for radio and TV earn a greater portion of political advertising budgets in their markets this election season.

Tags: Marketron | Webinar | Political Advertising | Election | Broadcast | Advertising Experts

Submitted by Wall Street Communications
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Triveni Digital Brings NEXTGEN TV Innovations to ATSC Annual Member Meeting and Broadcast Conference

Posted: 02/06/2022

Triveni Digital today announced that the company will demonstrate its end-to-end NEXTGEN TV solutions at the ATSC Annual Member Meeting and NextGen Broadcast Conference, June 7-9, in Detroit. Triveni Digital's ATSC 3.0 solutions offer extensive integration with third-party products and have been deployed by leading broadcasters in the U.S., including Meredith, Hearst Television, Sinclair Broadcast Group, and ARK Multicasting.

Tags: NextGen TV | ATSC 3.0 | Datacasting | Broadcast

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Clear-Com Announces HelixNet Integration for Arcadia Central Station, Now Supports Over 100 Beltpacks

Posted: 01/06/2022

Clear-Com® announces new features for Arcadia® Central Station, including the highly anticipated integration with HelixNet® Digital Partyline, cementing the platform's position as a powerhouse of intercom systems with support for over 100 beltpacks and 180 ports of mixing capability.In a 1RU package, Arcadia powers the company's award-winning wired and wireless analog and digital intercom systems, together with Dante connectivity, supportingthe broadest range of wireless solutions with 1.9 GHz, 2.4 GHz, and 5 GHz systems working together simultaneously.This latest set of new features also includesa 5 GHz scanning tool for FreeSpeak Edge® systems, along with increased beltpack capacity for FreeSpeak® systems and an increase in licensed port capacity.

Tags: clear-com | arcadia | helixnet | intercom

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Broadcast Pix launches MeetingPix and GX Hybrid Integrated Production Systems

Posted: 01/06/2022

Broadcast Pix™ is announcing two new integrated production solutions to meet the demands of today's hybrid, multi-format work environments.

Tags: broadcast pix | meetingpix | gx hybrid | software

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Mo-Sys leads the way with cinematic Virtual Production solutions at Cine Gear 2022

Posted: 01/06/2022

Mo-Sys Engineering (www.mo-sys.com), a world leader in Virtual Production, Remote Production and Image Robotic solutions for Broadcast and Film, will showcase how it delivers complete solutions for green screen or LED volumes. Visitors to the stand will see Mo-Sys' award-winning VP Pro XR, its complete solution for Cinematic XR on-set real-time Virtual Production, in action combined with the next generation G30 gyro-stabilized remote head, which delivers precision movement and superior image stabilization.

Tags: Mo-Sys | virtual production | remote production | CineGear | G30 | Cinematic XR Focus | broadcast | technology | cinematography

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Mo-Sys and AOTO partner to show Multi-Cam LED Virtual Production Solutions   **Posted:** 01/06/2022

At InfoComm 2022, Mo-Sys Engineering (www.mo-sys.com), a world leader in Virtual Production, remote production and image robotics, will underscore its ability to deliver complete packages for green screen or LED volumes.

Tags: Mo-Sys | virtual production | remote production | AOTO | VP Pro XR | Infocomm | Multi-Cam Switching | broadcast | technology | cinematography

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CP Communications and Red House Streaming Transform Florida Headquarters into Native IP Production Center
Posted: 01/06/2022

CP Communications and its subsidiary Red House Streaming have gradually evolved their St. Petersburg, Florida headquarters into a specialized broadcast and production center that even produces and streams original programming worldwide for local and remote talent. The growing media and entertainment company has now deployed a varied network infrastructure of 1Gb and 10Gb pipes that interface with its two homegrown RHS studios and new RHS-36 truck, allowing the company to seamlessly manage live content coming from and going to any location globally – without leaving the property, and without leaving the IP domain if desired.

Tags: CP Communications | Red House Streaming | golf | broadcast | production | Florida

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MultiDyne SilverBullet Goes Dog Sledding in Alaska
Posted: 01/06/2022

Art Aldrich, a partner at consultancy OTEK TV, has for several years ventured into the Alaskan tundra to cover the annual Iditarod Trail Sled Dog Race. This year, he sought to simplify his live production workflow with fiber-optic connectivity solutions from MultiDyne Video & Fiber Optic Solutions while maintaining the cinematic look and feel that are hallmarks of his production work.

Tags: MultiDyne | OTEK TV | production | dog sledding | live streaming

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MSolutions USB Innovation Drives InfoComm Message
Posted: 01/06/2022

MSolutions, a leading supplier of AV test devices and collaboration solutions, has applied its problem-solving skills to USB transport and connectivity heading into InfoComm. The company, which at ISE 2022 unveiled a broad range of video and audio conferencing solutions for collaboration rooms, announces a remote USB powering option for its new 4K Ultra HD USB camera, all-in-one 4K soundbar and third-party PTZ camera systems. MSolutions will also unveil a new USB module for its market leading MSTestPro AV tester that will help installers verify USB cable and signal integrity.

Tags: MSolutions | AV | InfoComm

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beIN ASIA PACIFIC selects Globecast for fully managed media services including playout and OTT platform hosting
Posted: 01/06/2022

Globecast, the global solutions provider for media and content management, has announced that renowned sports content provider beIN ASIA PACFIC has selected Globecast to provide multifaceted media processing and delivery services to the sports provider's Asia-Pacific division.

Tags: playout | cloud playout | sport | contribution | media processing | distribution

Submitted by Jump PR
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Volleyball World Turns to LiveU for Fully Managed IP Contribution and Distribution to Reach Fans Around the World
Posted: 01/06/2022

LiveU provides end-to-end IP workflow, including LiveU Matrix, to bring beach volleyball matches to takers around the world direct from the various locations

Tags: Cellular bonding | IP transmission | IP bonding | sports broadcasting | cloud

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Planetcast Media Services showcases enhanced range of cloud first media services at Broadcast Asia 2022

Posted: 01/06/2022

Planetcast Media Services, a leading broadcast technology and media services provider, is primed to drive growth for content owners and distributors across APAC as it brings its expanded content management and delivery services toBroadcast AsiainSingapore, June 1-3 (booth 5F1-01). The company is showing its full portfolio of cloud-based media solutions at the event following its recent launch of Planetcast International, a global initiative aimed at growing its footprint beyond its deep existing customer base in India and Southeast Asia.

Tags: BroadcastAsia | APAC | India | cloud | OTT | FAST

Submitted by Planetcast Media Services
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EMG UK Supports Pride Month with Rainbow Flag Branded OB Truck

Posted: 31/05/2022

Nova 125 Will Complete a Tour of Sporting Events Before Signing off at the Pride 50 Show. The UK's leading broadcast service provider EMG UK today announced it is celebrating Pride Month by re-branding one of its OB trucks (Nova 125) with a rainbow flag to complete a tour of live sporting events, stopping off at Glastonbury Festival, before finishing at the Pride 50 Show

Tags: EMG | OB Truck | Pride

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Vewd and AirConsole Announce Strategic Partnership to Bring Casual Gaming to the TV

Posted: 31/05/2022

Vewd, the leading provider of OTT software solutions, and AirConsole, a cloud-based video game console developed by Zurich-based startup N-Dream, today announced a strategic partnership that simplifies the distribution of casual gaming services in the TV market. AirConsole's gaming system offers seamless integration with Vewd's content offering, enabling pay-TV operators, smart TV device manufacturers, and in-vehicle infotainment system vendors to quickly add gaming services to their user experience (UX). The low-cost, ready-to-go cloud-based solution has recently been deployed by Evoca, an innovative NextGen TV service in the U.S.

Tags: OTT | Pay-TV | NextGen TV | Cloud | Video Gaming

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You can also find your new & used High Definition (HD) converters. Up & Down Conversion, HD-SDI to SD-SDI. Hi Def Cameras and Hi Def VTR's from Sony Broadcast, JVC Professional, Panasonic Broadcast and Effect Technology to name but a few. If you are in the UK you can find Sony Broadcast equipment that has the Silver Support package included supplied by reputable broadcast dealers and broadcast resellers.

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