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Evertz Shows New Additions To Its Software Defined Video Networking Solution at IBC 2024

This versatile infrastructure solution is ideal for media companies that are moving to IP or expanding all-IP infrastructures using SMPTE ST 2110 and NMOS.

Burlington, Canada. August 22nd, 2024: With over 600 installations worldwide, Evertz' Software Defined Video Networking (SDVN) solution is already the choice of many broadcasters who are either transitioning to IP or wanting to expand their all-IP infrastructures using SMPTE ST 2110 and NMOS.

This versatile, format agnostic end-to-end solution taps into Evertz' wealth of experience in this area and delivers the ultimate in flexibility across a wide range of applications.

At IBC 2024 (**2.B51**), Evertz is showing the latest updates to SDVN, including a small form factor network and analog timing module – the MIO-PTP – which is ideally suited to broadcast and telecom networks. MIO-PTP can be deployed in both baseband and IP-based networks to provide timing synchronization a root leader, boundary, or to extend timing over a WAN to locations that do not have a synchronization source (e.g. GPS).

Also on show at IBC 2024 is NATX-LT, a next generation network fabric that offers a cost-effective entry point for both core or aggregation requirements in any media facility or mobile deployment. Fully integrated with Evertz' MAGNUM-OS, NATX-LT switch fabric offers flexible, format agnostic and scalable infrastructure options, allowing seamless routing for SMPTE ST 2110 and other media standards with standard SFP or QSFP Interfaces.

In addition to NATX-LT, Evertz is introducing its new PREFEX Media Processing Edge (MPE). This ultra-high-density platform offers the industry's highest encapsulation IP gateway, along with the video processing features that are commonly required when transitioning from SDI to ST 2110. This fully featured MPE has the power and flexibility to handle tasks such as frame sync, up/down/cross conversion, and audio shuffling – all in a compact 1RU package.

For bulk signal processing and conversion, Evertz will be releasing the new up/down/cross conversion app for the ev670-X30-HW-V2. This app will feature up/down/cross conversion (up to UHD), interlace support, HDR conversion using LUT (selectable), video processing, video and audio delay adjustments, and audio grooming (4x4, 2x8, and 1x16 combinations).

Evertz will also be showing new features and advanced tools for MAGNUM-OS, a comprehensive orchestration, monitoring and analytics platform for SDI, IP, or hybrid facilities. Positioned at the heart of Evertz' SDVN solution, MAGNUM-OS simplifies workflows, reduces operational costs, and

increases efficiency by allowing broadcasters to connect facilities, resources, and devices together within a city, country or globally. MAGNUM-OS also supports hybrid workflows where devices or resources are located on premise or in cloud (public or private).

Among the many critical features that MAGNUM-OS offers is support for third party devices over NMOS and direct APIs. This allows MAGNUM-OS to discover and register third party devices using IS-04 and move flows between devices using IS-05 as connection management. MAGNUM-OS also provides control of network switches that include (but not limited to) Evertz EXE and NATX, Cisco, Arista, and cloud-based swtch.io. It manages the link bandwidth between the discovered edge devices and the network switches to ensure reliable switching of ST 2110 flows.

In addition to advanced control and orchestration, MAGNUM-OS provides comprehensive monitoring and real-time analytics. MAGNUM-OS includes tools that include PTP traffic and network monitoring and IP-flow tracking over the IP networks for unprecedented visibility in the broadcast media industry, within and between facilities. For IBC 2024, Evertz will be introducing an updated AI/ML log anomaly detection features called LogSNAP, which builds on the real-time analytics in MAGNUM-OS to perform detection based on learned model to identify root causes for issues based on logs.

For more information on Evertz Software Defined Video Networking solutions, please visit IBC 2.B51, or visit www.evertz.com.

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About Evertz Technologies Ltd.

Evertz Technologies Limited (TSX:ET) designs, manufactures and markets video and audio infrastructure solutions for the television, telecommunications and new-media industries. The Company's solutions are used by content creators, broadcasters, specialty channels and television service providers to support their increasingly complex multi-channel digital, high & ultra-high definition television ("HDTV" & "UHD") and next generation high bandwidth low latency IP network environments and by telecommunications and new-media companies. Evertz products allow customers to generate additional revenue while reducing costs through efficient signal routing, distribution, monitoring and management of content, as well as the automation and orchestration of more streamlined and agile workflow processes on-premise and in the "Cloud". For more information, please visit www.evertz.com

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