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Mobile TV Group Deploys Production Truck with Evertz IP Infrastructure

Leading mobile production company launches truck with Evertz IP Core

APRIL 8, 2019 - Burlington, Canada – Evertz Microsystems, the global leader in media and entertainment technology solutions, announces the launch of 45FLEX, Mobile TV Group’s newest outside broadcast truck equipped with an Evertz IP core.

Evertz’ Software Defined Video Networking (SDVN) IP technology leads the industry with deployments spanning across 400+ installations globally since 2014. This pioneering technology has made SDVN the go-to choice for broadcasters transitioning their infrastructure to IP.

Mobile TV Group is a leading mobile production company specializing in live events. Mobile TV Group’s in-house engineering and fabrication capabilities enable them to continuously update their fleet of mobile production trucks with the latest technology. Critical requirements of their latest truck, 45FLEX, included dual feed, the ability to perform two simultaneous productions, super slow-motion capabilities, 4K/HDR upgradeability and enough scalability to accommodate the largest production events.

Evertz’ Software Defined Video Networking (SDVN) solution was selected by Mobile TV Group because its advanced capabilities were the only industry solution available that could meet their aggressive schedule and demanding technical requirements. SDVN’s advanced IP infrastructure enabled a more flexible and scalable production environment where truck resources could more efficiently be utilized enhancing their overall production capabilities.

45FLEX features 25G infrastructure and its IP routing core is an Evertz EXE-VSR16 25G high capacity IP switch. The fully non-blocking architecture of the EXE-VSR 25G switch enables the seamless interconnect of all IP systems on the truck, including the IP replay systems, IP production switcher, IP audio console and IP cameras. For interfacing baseband SDI systems into the IP core, 45FLEX utilizes Evertz’ 570IPG-X19-25G gateways. The 570IPGs versatile bidirectional architecture, supporting both IP and SDI interfaces enables baseband systems to interface with the IP core. Monitoring requirements on 45FLEX are handled by Evertz’ 3067VIP-HW-10G IP multiviewer. 45FLEX’s infrastructure features advanced IP timing technology with an Evertz MSC5700 IP Network Grand Master Clock distributing ST 2059 Precision Timing Protocol throughout the truck.

Evertz’ SDVN IP Technology features comprehensive support for industry standards and in order to facilitate interoperability between internal and external systems, this OB truck utilizes SMPTE ST 2110 and AES67 for the routing of video, audio and data.

Evertz' MAGNUM Orchestration platform is a critical component of the Mobile TV Group truck and enables a single point of unified control and monitoring for all of the resources on 45FLEX. Along with MAGNUM, VUE, Evertz' Intelligent User Interface platform, is utilized to create customized user interfaces enabling highly efficient operational workflows. MAGNUM is utilized on several of Mobile TV Group's fleet of production trucks and was a major contributing factor for the selection of an Evertz SDVN solution for 45FLEX.

"As we are continuously updating our fleet of mobile production trucks, we are always looking for opportunities to improve our production capabilities in order to bring the best value to our own clients," said Nick Garvin, Chief Operating Officer at Mobile TV Group. "Evertz' SDVN IP gives us the ability to interconnect all of the resources on 45FLEX and enables a new level of flexibility, efficiency and scalability in our fleet of mobile production trucks."

"45FLEX features an all IP infrastructure where all of the major systems feature native IP connectivity making it one of the most advanced mobile production trucks deployed today," said Jonathan MacNab, Director U.S. MSO System Sales at Evertz. "We're pleased to have been selected by Mobile TV Group to participate in this project and look forward to working with them in the future."

About Mobile TV Group

Mobile TV Group (MTVG) has led live 4K/UHD HDR productions in the U.S. covering the PGA Tour, NBA, NHL, college football, entertainment, and corporate events for many of the top Fortune 500 companies. In total, MTVG is responsible for the production of over 4,000 live events a year. MTVG also operates an audio/video manufacturing facility specializing in building Mobile Units and supporting live video transport. MTVG combines its experience in building and operating mobile units to offer cost-effective production solutions that are unique in the industry.

About Evertz

Evertz Technologies Limited designs, manufactures and markets video and audio infrastructure solutions for the television, telecommunications and new-media industries. Evertz provides complete end-to-end solutions to content creators, broadcasters, specialty channels and television service providers to support their increasingly complex multi-channel digital, ultra high definition (UHD) and next generation high bandwidth low-latency IP network environments. Evertz' solutions enable its customers to generate additional revenue while reducing costs through the more efficient signal routing, distribution, monitoring and management of content as well as the automation of previously manual processes. For additional information, visit evertz.com.