RTS

Space and weight limitations require that every piece of equipment onboard a mobile production vehicle earns its place; be it a single-axle straight body or a 53' double expando, real estate is limited. RTS solutions combine efficiency with uncompromising performance, condensing sophisticated technology into compact and lightweight form factors – all with lower power consumption and reduced cooling loads.

Our smallest-footprint intercom matrix frame is the 1RU ODIN (OMNEO* Digital Intercom), which supports four audio formats: dry unbalanced audio, balanced audio, RVON and Dante/ OMNEO AoIP. ODIN supports redundant onboard fiber connections and offers a channel count starting at 16 and expandable to a maximum of 128.

The 3RU ADAM-M frame supports the same four audio formats as ODIN, plus MADI (Multichannel Digital Audio Interface) audio. Its eight IO cards are vertically oriented to reduce rack-space requirements. All ADAM-M IO cards are swappable with the full-size ADAM frame. Redundant power supplies and master controllers ensure micro-second failover protection. The channel count starts at 16 and is expandable to a maximum of 272. The ADAM frame's 17 IO cards are also vertically oriented and can provide a maximum channel count of 880, depending on the selection of cards – all housed in just 9RU of rack space.

All three frame formats support redundant 110-240 AC switching power supplies and are trusted by broadcasters around the world for their superior reliability and scalability. The RTS TM-10K Trunk Master frame can be used to connect remote locations via copper, fiber or satellite, providing a robust mobile hub for communications worldwide.

The latest generation KP-Series keypanels support three modes of connectivity. Built upon multiple technologies, including OMNEO/Dante, RVON and balanced analog, these formats comprehensively support the standards and technologies of today while evolving with those of tomorrow. With six different panel styles, there is an option to meet every operator's requirements.

For wireless comms, ROAMEO is an easy-to-use and future-proof solution based on the license-free DECT standard. It provides high-quality audio via seamlessly integrated digital wireless beltpacks and associated access points.

The newest product RTS adds to its ever-growing family of IP-based products is the four-channel DBP (Digital Beltpack). This PoE+ powered beltpack supports four bi-directional channels of crisp, clear audio. Locking Ethercon connectors ensure this field-deployed unit is ready for every production.

RTS is the industry leader in professional intercom systems, providing solutions that combine forward-thinking functionality, real-world reliability and superior sound quality.

Learn more about #theRTSdifference at rtsintercoms.com

OB TRUCK WITH SMPTE ST 2110

Our implementation of the SMPTE ST 2110 format helps professionals communicate between different types of devices more easily and efficiently than ever before. In this example, a mixing console is added to the IP-based production network. Program sources from the console are fed to the intercom system's IFB workflow. The talent's pre-fade mic feed is routed back thru the intercom to the console. Cam PL's and camera-specific ISO channels can be easily routed via the 2110 format.
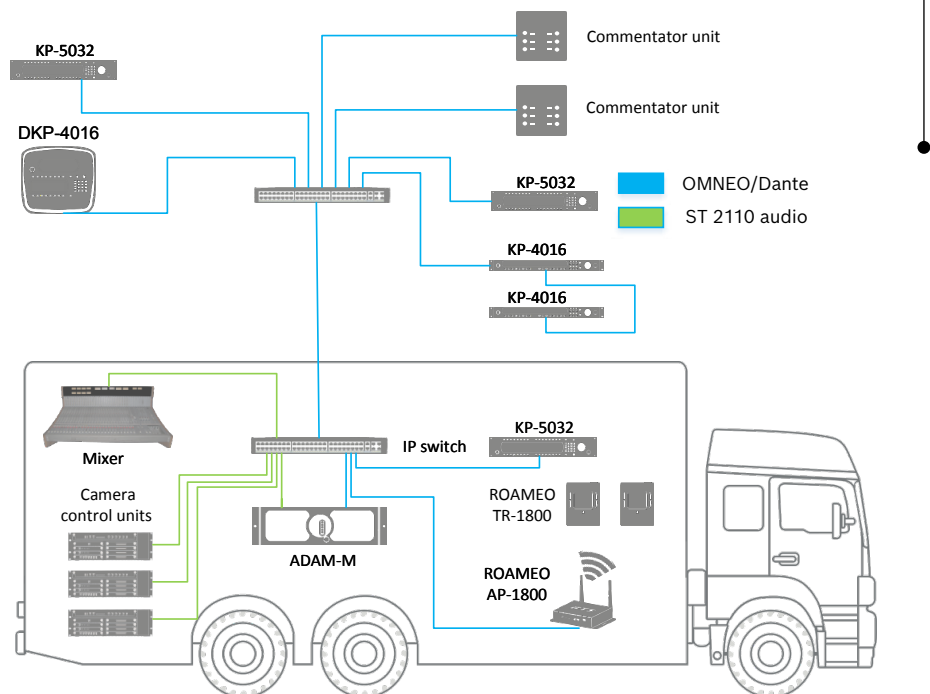
*OMNEO onboard
OMNEO is an architectural approach for connecting devices over IP to exchange information, including audio content and device control. It is built upon multiple technologies, including IP and open public standards, to support the technologies of today — such as Audinate's Dante™, AES67, AES70 and SMPTE ST 2110 — while evolving to support those of tomorrow. OMNEO architecture is based on two main components: (1) an IP media transport solution that offers low-latency, high-quality, fully-synchronized multi-channel audio exchange; and (2) a robust control protocol that provides reliable, secure and highly scalable system control and monitoring for professional applications of all sizes – from a local board room to an intercontinental communications system.