

SMPTE ST 2110 and RTS intercoms

The SMPTE ST 2110 suite of standards provides broadcaster and other industries a more efficient and managed way to transport video, audio, and related media networking technologies across an IP network infrastructure. A key benefit of ST 2110 is the transmission of the essence flows, which are discrete but related streams of audio, video, and other pieces of information as needed. This design philosophy provides much greater levels of flexibility while also reducing complexity and additional processing stages in a network facility. As an example, a device that only needs to receive or process a stream of audio can freely do so without the need to separate the audio from other data.

ST 2110 also provides benefits to the user such as multicasting of streams and being to navigate packets across IP networks to allow much greater sophistication and flexibility for moving content around a facility. As an example, a user can route an audio stream directly from a mixing console to the AUX input of a keypanel without having to go thru the intercom, saving ports in the intercom.

The technology known as OMNEO, developed by BOSCH, is a core element in providing RTS intercom users with the most flexible IP solution available today. The OMNEO media networking architecture has full support for ST 2110, AES67, as well as the broadly available Dante™ from Audinate. A simple check box in software allows user to switch between each technology as needed without hardware changes or reloading new software to devices. This easy to use approach provides users with the interoperability to interface with other devices throughout their network.

OMNEO supports ST 2110-30 , ST 2110-31 , ST 2059-2