JT-NM Tested Program

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Fox Networks

The JT-NM Tested Program provides greater transparency of vendors performance to the SMPTE ST 2110 standards adapted by the industry

The first testing event took place the week of March 18, 2019 at the Fox Networks facility in Woodlands, Texas

JT-NM Tested Program Participants

72 products from 35 vendor products tested

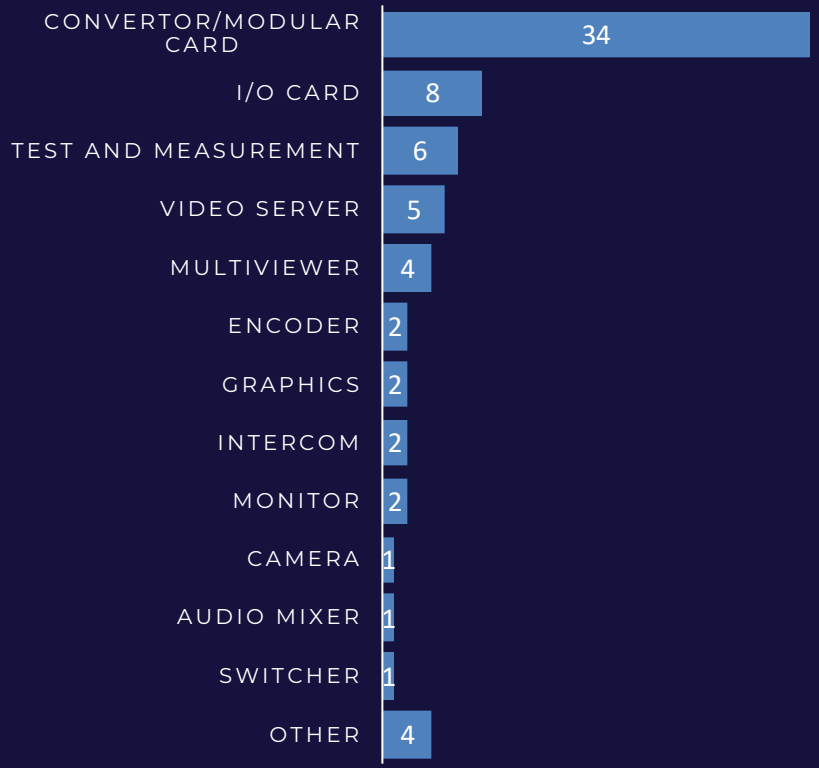
JT-NM Tested Program Contributors

Special thanks to the following organizations for their support during testing

Tests Performed

General Tests	Network connectivity, PTP timing, IGMPv3 (join and leave multicasts) and SDP (device's I/O configuration) files
SMPTE ST 2110-20	Receive and transmit video, including SMPTE ST 2110-21 buffering support and video free of artifacts
SMPTE ST 2110-30	Receive and transmit audio, including no audible artifact being heard
SMPTE ST 2110-40	Ancillary data support, including DID/SDID support, caption presence and no stream payload errors
SMPTE ST 2022-7	Seamless protection switching, including sending audio, video & data, and receiving audio, video & data with 25% errors

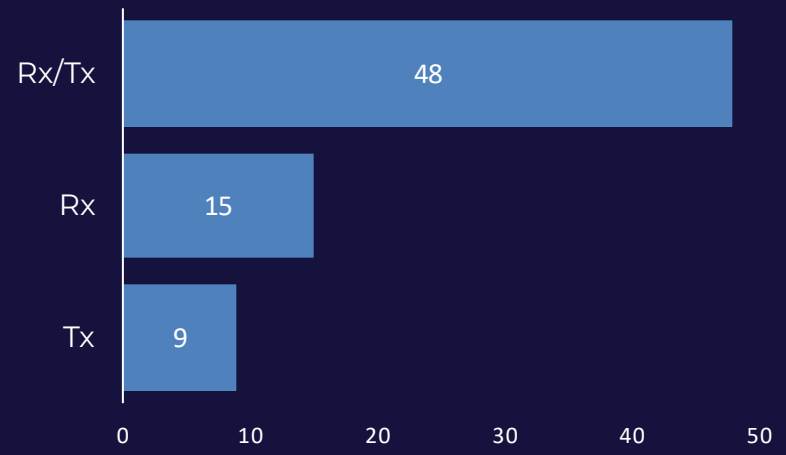
Product Categories Tested



72 products were tested

Products covering all the key areas important to production and playout workflows

Receivers & Transmitters

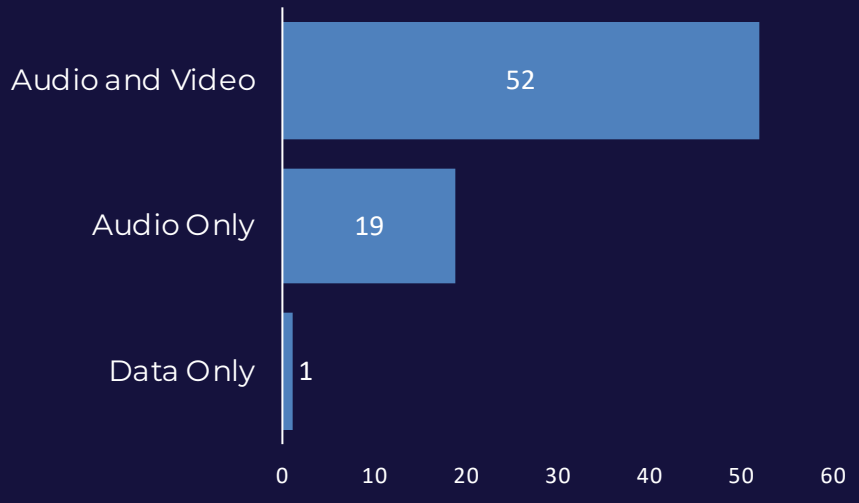


The majority of products could receive and transmit SMPTE ST 2110

Receive only products were made up of convertors, test and measurement, multiviewer and monitoring products

Transmit only products were primarily convertors

Audio, Video & Data



Most products supported audio, video and ancillary data services

A substantial number of audio only products were tested and were convertors, monitoring, intercoms and mixers

There was one data only product for caption insertion