TAG
VIDEO SYSTEMS

nevion

TAG | Nevion Partnership & Integration

A comprehensive solution for **media network management** and **monitoring** for SMPTE ST-2110 and IP workflows

The global ST-2110 market size is expected to reach $692.6 million by 2027, **growing at a CAGR of 38.9% from 2020 to 2027.**[1] With the market expansion, comes even more complexity, industry standards, and transport stream formats. Don't be left behind or without best-in-breed solutions that help you reduce complexity, scale easily and can adapt to your evolving plans.

Orchestration

Just as the conductor of an orchestra ensures that each musician plays their part correctly and in harmony with the others, **Nevion VideoIPath** is the media orchestration platform that manages the transport of video, audio and data signals across multiple locations. VideoIPath acts as a central control point that coordinates the flow of media signals from source to destination, ensuring that everything is synchronized and

delivered correctly. With VideoIPath, users can automate their media workflows, optimize network performance, and ensure high-quality delivery of video, audio, and data content.

Integration

As a result of the strong integration enabled by TAG's comprehensive API control, VideoIPath ensures that each media signal is transmitted accurately and in sync with other signals in the network, while the TAG platform provides deep-probing, monitoring with multiviewing/real-time alerting along with analysis capabilities for all your media content. A perfect pair, this combination of 'best-in-breed' solutions further simplifies the highly complex number of details and requirements involved with the suite of standards within SMPTE ST-2110 for transporting uncompressed video, audio and data over IP networks.

Nevion VideoIPath
Media orchestration platform

- Form at and bandwidth-aware network orchestration, including real-SDN control
- New broadcast control functionality and interface
- Intelligent rerouting of mission critical services triggered by service or network alarms
- Market leading scalability for orchestration of large IP infrastructures
- Unique Federation concept for interconnecting autonomous systems
- Multi-vendor switch fabrics and broadcast equipment managed by the same system
- Support of open standards, e.g. industry leading number of NMOS integrations

TAG Featured Specifications
Realtime Media Platform

- Multiviewing, probing and monitoring across all IP formats
- Network, codec, transport and media essence/metadata monitoring
- Low latency for Live Production
- Advanced formats include Dolby Atmos and HDR
- Centralized management of TAG resources with Media Control System (MCS)
- Compliant with all relevant open standards
- Flexible deployment on bare metal, VM, any cloud or hybrid configuration

"ST-2110 is the most important standard in the broadcast industry today. It is the technology that enables the convergence of broadcast and IT and empowers the next generation of flexible, scalable and efficient production workflows."

~ Peter Wharton, TAG Video Systems

The **TAG Realtime Media Platform** is a 100 percent software-based IP solution with a unique agnostic approach to both the video source and delivery method, allowing broadcasters and media companies to monitor and analyze video content across multiple distribution platforms, including cable, satellite, IPTV, and OTT, along with real-time alerting to proactively detect and resolve issues before impacting viewer experience, further reducing downtime, increasing productivity, and minimizing errors.

Cooperation

Together, TAG and Nevion comprehensively improve efficiency and reduce operational costs even in the most challenging environments. They work in concert to be scalable, flexible and customizable, meeting the needs of small to large media organizations to transport and distribute video content with low latency and high reliability in these complex ecosystems.

Finally, add in **Nevion Virtuoso**, a software-defined media node platform with a suite of advanced video processing and transport solutions designed for live production and contribution workflows. Virtuoso includes a range of capabilities such as encoders, decoders, and converters, as well as software for managing video signals with the ability to deliver high-quality video content over any network, regardless of distance or bandwidth constraints. The platform's ability to seamlessly integrate with existing infrastructure, its modular design, and its advanced control capabilities make it a valuable solution for media organizations looking to migrate to IP-based workflows and optimize their media transport processes.
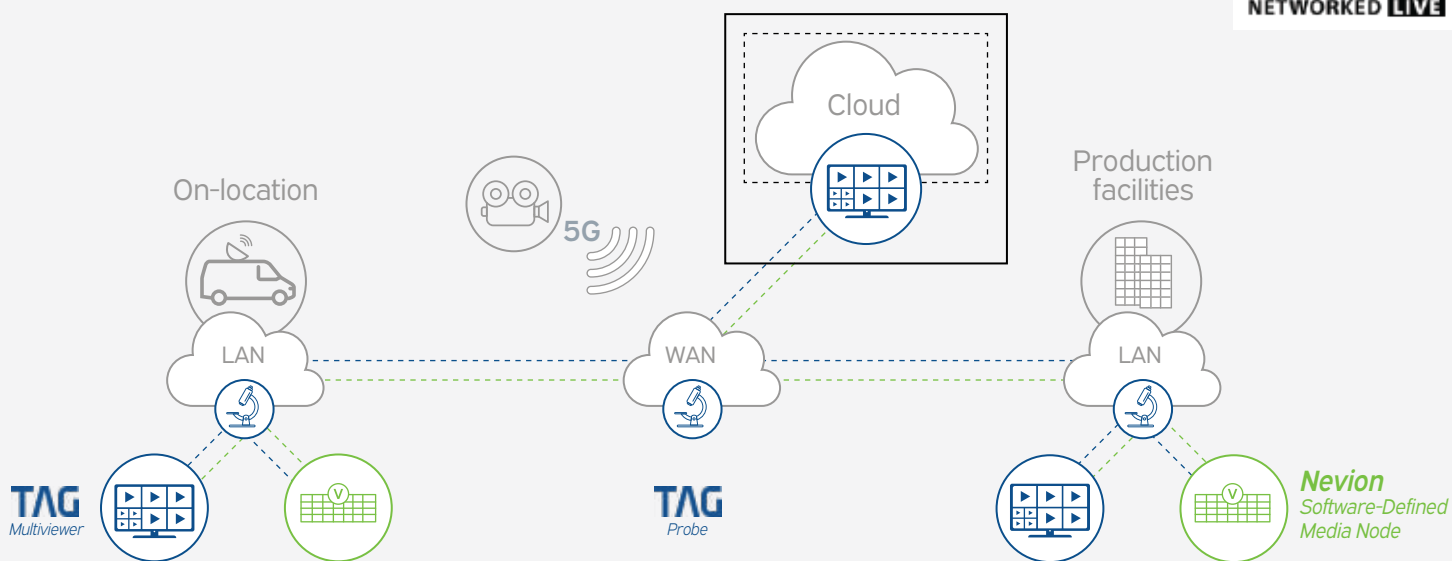
Nevion Virtuoso
Software-defined media node

- Media transport, including SDI/IP adaption, compression and protection
- Video processing, including up/down/cross and HDR/SDR conversion
- Audio processing, shuffling, mixing and adaption (MADI, AES3, AES67)
- Monitoring and redundancy switching
- IP media edge functionality, including network protection, isolation and NAT
  Standards compliant, including
- ST2110, NMOS, JPEG XS

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