

Mission critical data—delivered how, where and when you need it

Whether you are involved in ISR, range modernization, or space launches, the real-time and lossless delivery of video, telemetry and data is critical to mission success. With a wide range of legacy and proprietary standards to handle, and the need for consolidation of multi-sensor high-density data, you need flexible solutions.

Nevion understands these needs. Nevion provides off-the-shelf industry leading media transport and management products, as well as the deep know-how to deliver the solutions you need fast and cost effectively. Being fully authorized to operate on Navy, Army and Air Force Networks and with over 20 years of experience in delivering innovative and award-winning technology, Nevion provides solutions that deliver your mission video, data, and telemetry in real-time, reliably and securely.



Nevion's solutions

- Support multiple encoding/decoding and transmission methods to cover all applications
- Enable analog to digital migration across a wide spectrum of network options, including IP
- Are highly adaptable by delivering a range of bandwidth and image quality options across multiple applications
- Allow low latency, lossless and near lossless IP/Ethernet video encoding and decoding enabling you to make the right decision, at the right time
- Designed for operation in harsh environments and in shipboard and multi role flight systems
- Field-programmable gate array design ensures long product life cycles and flexible ongoing development and support
- Constantly and seamlessly evolve to your changing needs



Intelligence surveillance and reconnaissance

Nevion provides effective standards based solutions to enable a common fiber infrastructure supporting legacy, current and test bed/future sensors in your mission systems. These Industry leading platforms consolidate and distribute video, data and telemetry with a focus on reduced size, weight, and power requirements.

Key features

- Video, telemetry, and data over fiber for lighter than air, over the wing applications, and shipboard fiber consolidation
- Supporting consolidation for FORJ (Fiber Optic Rotary Joint) applications
- Lightweight, low latency JPEG 2000 (J2K) compression for LVMI (Large Volume Motion Imagery) giving you near lossless video transport over IP/ Fiber for real-time data analysis
- Signal processing, conversion and distribution





Range modernization


Nevion's video centric solutions cover security and surveillance for range safety, the real time needs of command destruct, through to the demanding needs of data reduction and high fidelity "after action" review. Our solutions respond to these high demands and allow easy transition from legacy technology such as analog and/or SD to digital HD, and eases evolution towards IP based transmission.



Key features

- Analog to digital conversion and video distribution
- Legacy network migration from fiber/ SONET to IP
- Signal processing and conversion SDI and DVI
- Electrical to optical signal conversion
- Simplified EO/OE conversion and migration with format conversion
- Data and telemetry over fiber
- Fiber consolidation and distribution amplification - EO/OE conversion
- End to end management of planning, provisioning and scheduling of range services
- Network and video services unified for collaboration and control of network and range control operations
- Real-time lossless video over fiber, J2K for low latency IP distribution over LAN/WAN
- Distributed routing and signal conversion over fiber eliminating the need for large routers





Nevion is your go to
solution partner —
your data in real-time,
reliably and securely

Contact us

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As always, Nevion considers each customer and every project unique.

We assess and design before we deploy, ensuring that the solutions provided best meet immediate needs, long-term goals, and your overall environment. From there, we're always a phone call away.

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