

THE CHALLENGE

As organizations transition to AV-over-IP, many deployments fall short due to:

- Complex network configuration (VLANs, multicast tuning, QoS)
- Inconsistent AV performance (latency, jitter, dropped frames)
- Siloed AV and IT teams with conflicting requirements
- Solutions that are either AV-friendly or enterprise-ready—but rarely both

RESULT:

longer deployment cycles, higher risk, and degraded user experience.

The RUCKUS® + Crestron® Solution

RUCKUS and Crestron enable a validated AV-over-IP solution that simplifies deployment while ensuring reliable performance in real-world environments.

Crestron DM NVX is an AV-over-IP platform that depends on a robust, IGMP-compliant network foundation and validated infrastructure components. RUCKUS Pro AV ICX® switches are designed for AV-over-IP and ship with AV-optimized configurations that works seamlessly with Crestron DM NVX encoders and decoders, enabling faster, more predictable deployments

Built on proven interoperability and validation:

• Interoperability validation

RUCKUS ICX switches have undergone interoperability validation with Crestron DM NVX endpoints through RUCKUS QA testing and validation within Crestron environments. RUCKUS ICX switches are part of Crestron's "Works with NVX" ecosystem, helping ensure predictable, enterprise-grade AV-over-IP deployments.

• Pre-optimized setup

AV-optimized configurations are built in, reducing setup effort and enabling faster deployment

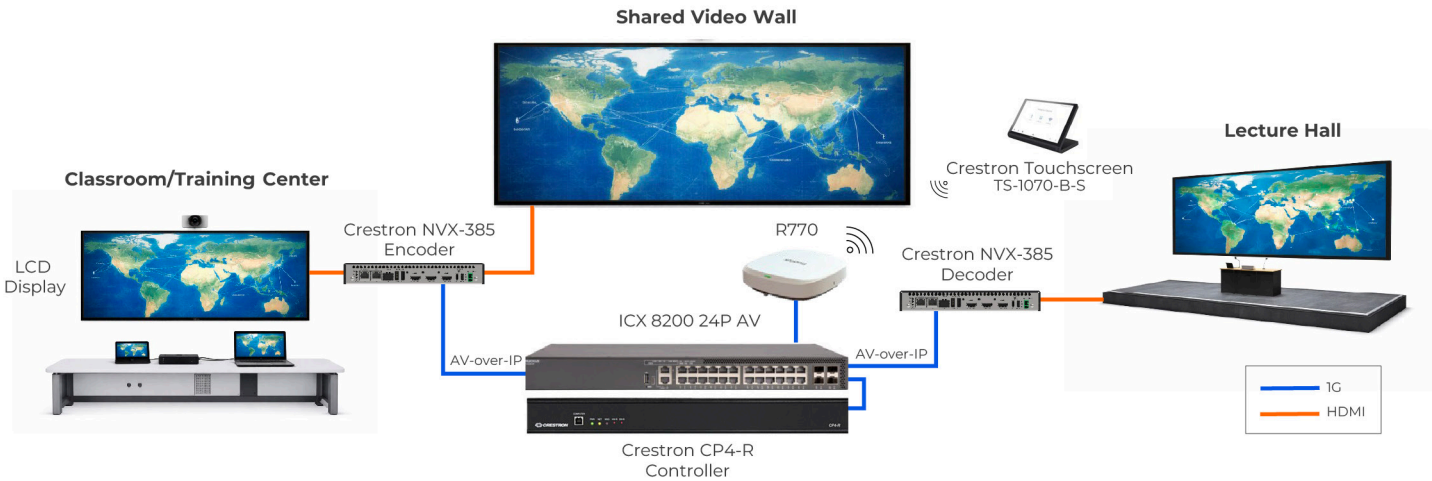
• Multicast-ready performance

Designed to support high-bandwidth AV traffic, including 4K/8K video and multicast environments using industry-standard IGMP

• Simplified network segmentation

Supports AV traffic segmentation with DM NVX deployment best practices, reducing the need for complex manual VLAN configurations

Solution Overview



RUCKUS enables the network delivers AV reliably at scale, Crestron powers the AV experience for Education

Vertical	Use Case	Business Outcome
Enterprise / Corporate	Conference rooms, executive briefing centers	Consistent, high-quality collaboration experiences
Education	Smart classrooms, lecture capture	Scalable AV delivery across campus
Hospitality / Venues	Digital signage, live event streaming	Reliable, real-time content distribution
Commercial AV	Integrated AV and control systems	Seamless, easier-to-manage user experiences

Why RUCKUS + Crestron

RUCKUS and Crestron combine validated interoperability with AV-ready networking to help organizations deploy AV-over-IP faster, reduce complexity, and deliver consistent performance across environments.

Key Benefits:

- **Interoperability built for confidence:** Validated through RUCKUS QA testing with Crestron DM NVX endpoints, with additional ICX validation performed within Crestron environments, reducing deployment risk and troubleshooting
- **Pre-optimized for faster deployments:** Switches ship pre-configured to work with Crestron NVX, enabling plug-and-play setup and accelerating time to install
- **Built for high-performance AV workloads:** Designed to handle multicast traffic and uncompressed 4K/8K video using IGMP snooping, ensuring smooth, uninterrupted delivery
- **Simplified network design and operations:** Enables AV-aware traffic segmentation aligned with NVX deployment models, reducing reliance on complex manual configuration
- **Scalable, IT-aligned foundation:** Supports enterprise-scale deployments while aligning with standard network architectures

Ready to simplify AV-over-IP deployments and deliver reliable, high-performance experiences at scale?



Contact a **RUCKUS EXPERT** to discuss your requirements and explore validated RUCKUS ProAV and Crestron solutions.