PRODUCT ANNOUNCEMENT

WAVE CENTRAL UPGRADES THE
SAPPHIRE RXD5 WITH NATIVE 4K ST 2110

Broadcasters and production teams are under increasing pressure to deliver UHD content, reduce infrastructure complexity, and adopt IP-based workflows without sacrificing reliability or control. In particular, the move to 4K over IP demands receiver/decoder solutions that are standards-based, redundant, and deeply integrated with broadcast control systems.

Modern production environments require equipment that supports 4K video, offers seamless interoperability with IP-based infrastructures, and ensures system-wide redundancy to avoid signal loss in mission-critical applications. Without native support for SMPTE ST 2110, ST 2022-7 redundancy, and NMOS protocols, teams risk network fragmentation, increased latency, and complex integration workflows.

The ideal solution enables:
- Native 4K IP workflows using SMPTE ST 2110
- Dual 25G network interfaces for ST 2022-7 seamless protection switching
- NMOS (IS-04, IS-05) compatibility for auto-discovery, registration, and management of media flows
- Full 12G-SDI output for hybrid SDI/IP environments
- Reduced rack footprint and external gear requirements

Wave Central is proud to announce a powerful upgrade to its flagship Sapphire RXD5 Rack Mount Receiver/Decoder, now equipped with:
- Native 4K ST 2110 output, fully integrated into modern broadcast IP infrastructures
- ST 2022-7 compliance via dual 25G Ethernet interfaces, providing real-time path redundancy
- Full support for NMOS IS-04 and IS-05, ensuring seamless discovery, registration, and control of media flows
- 12G-SDI output, enabling single-cable UHD workflows in hybrid or traditional SDI environments
- A compact 1RU form factor with an intuitive front-panel touchscreen UI

With these capabilities, the RXD5 eliminates the need for external gateways, simplifies integration into IP networks, and ensures high-availability performance for live production, sports, remote broadcasts, and more.

"Customers are no longer asking if they should go IP—they're asking how fast they can get there," said Paul Moskowitz, SVP of Sales at Wave Central. *"With this upgrade, the RXD5 becomes a true plug-and-play solution for IP-based production, offering 4K ST 2110, dual 25G redundancy, and NMOS control—everything a modern broadcaster needs."*

Already proven in demanding RF workflows, the Sapphire RXD5 is trusted by broadcasters around the world for its rock-solid performance and operational flexibility. This latest release cements the RXD5's position as one of the most future-proof receiver/decoder platforms on the market—combining standards compliance, UHD readiness, and intelligent IP control in a single, rack-mounted unit.

Availability: The enhanced Sapphire RXD5 with embedded 4K ST 2110, ST 2022-7 dual 25G support, NMOS integration, and 12G-SDI is available now.

READ MORE ABOUT THE SAPPHIRE RXD5