

# SNP-XS

Compact Power. Flexible Processing. IP-Ready.

The SNP-XS is the latest innovation in the acclaimed Selenio™ Network Processor (SNP) lineup — built equally for SDI-centric operations and hybrid SDI/IP operations.

Designed for scalable, standards-based infrastructures, the SNP-XS delivers powerful processing in a compact, high-performance, half-rack 2RU platform, ideal for broadcast and production environments that demand flexibility, density, and high-quality video handling.



Built on the same architecture as the flagship SNP platform, the SNP-XS supports SMPTE ST 2110 IP standards while maintaining seamless interoperability with SDI-based workflows. Whether you're migrating to IP or optimizing your existing SDI plant, SNP-XS adapts to your operational needs — today and tomorrow.

## Flexibility for whatever happens next

Like its larger brothers, SNP-XS is software-driven and feature-keyed. Units purchased for one application can be easily repurposed for another with a simple key update. SNP-XS launches with the core applications important to most customers.

## Platform Consistency, Proven Performance

SNP-XS and SNP share the same software releases, APIs, and control protocols, and support many of the same application features — ensuring full compatibility and consistent deployment across your operations. SNP-XS brings standard SNP performance into smaller footprints and smaller requirements.



ST 2110



NMOS



## Typical Applications

### High-Density SDI Processing – with or without ST 2110

- Dual UHD video format conversion with HDR Conversion and Color Processing
- Quad 1080p video format conversion HDR Conversion and Color Processing
- 8x 1080p Frame Synchronizer with HDR and Conversion and Color Processing

### Integrated Channel Master Control

- Single-channel per box master control with integrated graphics
- Analog and Digital audio options

### Drop-in Gateway for Room-Level Integration

- 16x 1080p ST2110 gateway (8 encap, 8 decap) with full frame synchronization
- Main and Protect 25GbE network ports ensure signal protection
- Optional Analog and Digital audio pickup and dropoff
- Analog reference output for in-room equipment
- Enables seamless room-to-core connectivity in IP environments

### Future-Proof JPEG-XS Integration

- JPEG-XS Pickup/Dropoff Engine
- 8x 1080p JPEG-XS Encoders to 25GbE
- 25GbE to 8x 1080p JPEG-XS Decoders
- Ensures visually lossless compression for low-latency transport over IP.

## KEY FEATURES

- **SDI and 12GSDI In and Out for every program** – with optional IP/2110 capability
- **Super-quiet, low-velocity cooling** – ideal for noise-sensitive environments
- **Compact ½ rack 2RU chassis** – powerful processing in a smaller footprint
- **Flexible mechanical mounting** – rack, shelf, or mobile deployment options
- **Option Slots** – customizable for signal integration

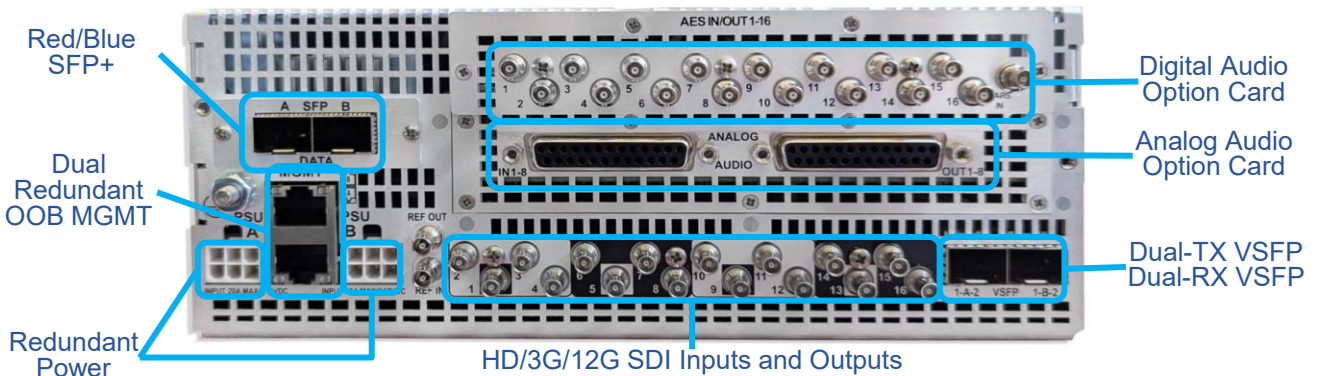
The SNP-XS brings the power of Imagine's trusted SNP platform into a compact, deploy-anywhere format. With flexible I/O configurations, integrated HDR conversion, JPEG-XS transport, and channel-level control, it's the ideal choice for facility expansion, event production, or edge processing.

**Start with SDI today. Add IP tomorrow. Scale as you grow.**

**SNP-XS – COMPACT. CAPABLE. CONNECTED.**

## ORDERING INFORMATION

PART NUMBER	
<b>SNP-PLATFORM-1XS</b>	SNP HW unit includes 25GBE IP subassembly and one power supply. Software features, optics, and redundant power ordered separately
<b>SNP-PLATFORM-1XSNOIP</b>	SNP-XS Base HW unit, SDI input/output only, upgradable to ST2110 operation with additional add-in. Software features and redundant power ordered separately
<b>SNP-XS-ADDIP</b>	ST2110 IP add-in module for SNP-XS
<b>SNP-XSK-2CONVUHD</b>	SNP-XS Software Application Key – enables two UHD conversions up or down including color processing
<b>SNP-XSK-4CONV3G</b>	SNP-XS Software Application Key – enables four 1080p conversions up or down including color processing
<b>SNP-XSK-SYNC</b>	SNP-XS Software Application Key – eight channel 1080p (or dual UHD) frame synchronizer and color processor
<b>SNP-XSK-GW88</b>	SNP-XS Software Application Key – Bi-Directional eight channel 1080p frame synchronizer for high-density ST2110 gateway applications (requires IP submodule)
<b>SNP-XSK-MCL</b>	SNP-XS Software Application Key – 1080p Master Control and dual Downstream Keyer (DSK) processor – four keyer planes, three external K/F inputs, internal graphics, and background mixer
<b>SNP-XSK-HDR</b>	SNP-XS Software add-on key – adds HDR conversion and adjustment to applications which include color processing
<b>SNP-XSK-MADIEXP</b>	SNP-XS Software add-on key – adds support for MADI I/O and 128 extra audio channels within the SYNC and GW88 applications. MADI SFP sold separately



## SNP-XS – COMPACT. CAPABLE. CONNECTED