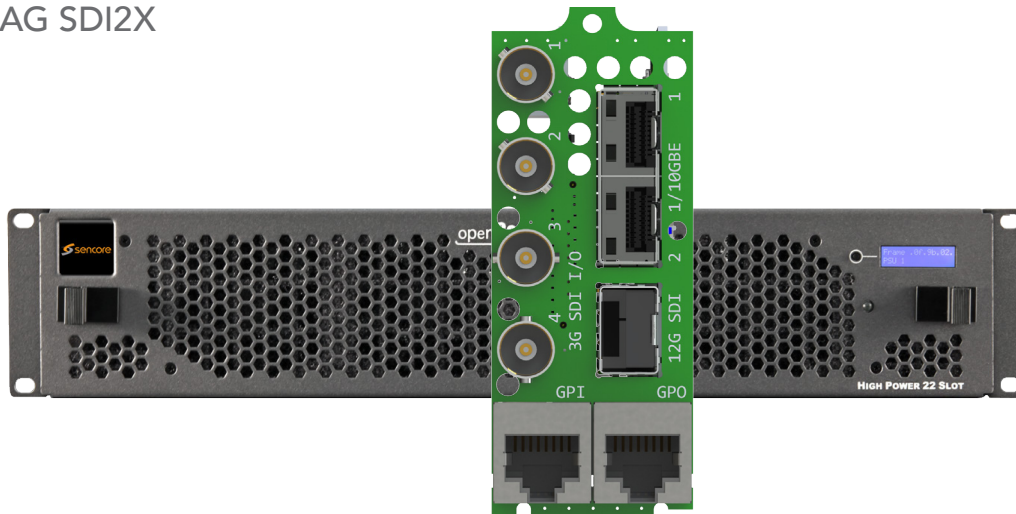


# openGear® SDI/IP Gateway and JPEG 2000 Encoder/Decoder



AG SDI2X



## OVERVIEW

The Sencore AG SDI2X is a simple and dense solution for SDI over IP implementations, allowing for interconnection of legacy SDI infrastructure to newer, IP-based production gear. With up to 10 cards per 2RU and 4 video services per card, the card provides an industry-leading 40 services of SMPTE 2110 or SMPTE 2022-6 conversion in a 2RU openGear frame. And with wide protocol support and an expansive roadmap, the AG SDI2X is a future-proof solution to protect against network evolution in the long term.

## APPLICATIONS

- **Ingest Gateway for High Quality Video Backhaul**  
Convert or encode multiple legacy signal paths to SMPTE 2022-6, SMPTE 2110/TR-03 or JPEG 2000/TR-01 for transport across high-bandwidth IP networks.
- **Ingress/Egress for Production Systems**  
Combine the AG SDI2X with other openGear ecosystem cards such as color correction, frame sync, or audio mixing to create the ideal miniature production studio with an IP output.
- **Top of Rack Converter for Legacy Installations**  
Take advantage of the expandable openGear form factor and the density of the AG SDI2X to provide up to 40 JPEG 2000/TR-01 encodes or SMPTE 2022-6 encapsulation instances in a 2RU package.

## SPECIFICATIONS

### I/O Interfaces

SDI Connectors:	4x 3G-SDI BNC 1x SFP for 12G-SDI (Optical or Coax)*
Ethernet Connectors: Supported SFPs:	2x SFP+ Sockets 1 GbE Fiber/Copper (MSA-Compliant) 10 GbE Fiber (MSA-Compliant)
Additional I/O:	8 Controllable GPIO (for Tally, etc.)*

### Processing

Standards:	SMPTE 2022-6 SMPTE 2110 Standards SMPTE 2110-10 SMPTE 2110-20 SMPTE 2110-21 SMPTE 2110-30 SMPTE 2110-40 JPEG 2000/TR-01 Encode/Decode
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Capacity (per Card):	4x FHD/HD/SD Video Services 8x PCM Audio Pairs Full ANC Data (SMPTE 2038)
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Capacity (per 2RU Frame):	40x FHD/HD/SD Video Services
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Synchronization:	SMPTE 2059 (IEEE 1588 PTP)*
Correction:	Hitless Switching (SMPTE 2022-7) FEC (SMPTE 2022-1) for JPEG 2000*

### Management

Control Interfaces:	Web Interface Access via Dashboard HTTP RESTful API SNMP Status/Control/Traps Syslog Alarm Support
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### Form Factor

Density:	10 Cards per OpenGear® 3.0 Chassis
Rack Mount:	2RU Frame

### Power

Standard:	120 VAC / 240 VAC Dual, Redundant Supply Available
Operating Temp:	0 to 50 Degrees C

\* Planned Roadmap