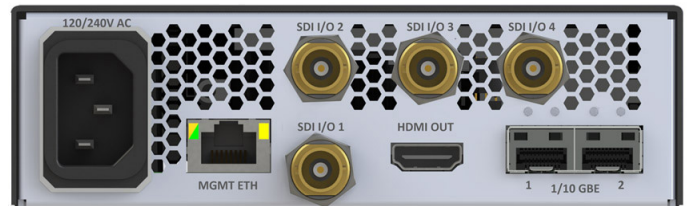# Compact SDI/IP Gateway and JPEG 2000 Encoder/Decoder

SDI2X

OVERVIEW

The SDI2X is a simple solution to bridge the gap between traditional SDI and IP infrastructure.

Designed flexibly to support SMPTE 2022-6, SMPTE 2110/TR-03, JPEG 2000/TR-01*, and a variety of other standards, the SDI2X is a must have for those considering baseband A/V over IP deployments. The SDI2X supports both SDI to IP and IP to SDI workflows, and with its powerful processor, chosen with future standards in mind, the SDI2X will be a convenient tool for years to come.

No longer be bound to a single standard. Create a seamless workflow utilizing the latest technologies with the Sencore SDI2X.

APPLICATIONS

- **Camera Integration and Backhaul**
  Seamlessly plug existing equipment into SMPTE 2022-5/6/7 or 2110/TR-03 IP-based studio networks or connect a camera or SDI source to fiber for JPEG 2000/TR-01* remote production.

- **Monitoring Display, Video Wall, or Signage**
  Pull baseband or lightly compressed video content from an IP network to display using the SDI or HDMI output.

- **Simplify Lab Connectivity**
  Test new equipment with a variety of different input or output formats. Convert to or from any of the popular IP compression or encapsulation methods; enabling testing without infrastructure rebuilds.

SPECIFICATIONS

I/O Interfaces

Video Connectors:	1x 3G-SDI BNC
	1x HDMI 2.0 Interface
	Additional 3x 3G-SDI BNC Optional*
Ethernet Connectors:	2x SFP+ Sockets (Data)
Supported SFPs:	1 GbE Fiber/Copper (MSA-Compliant)
	10 GbE Fiber (MSA-Compliant)
Ethernet Connectors:	1x RJ-45 1GbE (Control)

Processing

Standards:	SMPTE 2022-6
	SMPTE 2110 /TR-03
	JPEG 2000/TR-01 Encode/Decode**
Capacity:	Up to 4x FHD/HD/SD Video Service
	1x 4k UHD Video Service*
	8x PCM Audio Pairs
	Full ANC Data (SMPTE 2038)
Capacity (per 1RU Shelf):	12x FHD/HD/SD Video Service
	3x UHD 4K Video Services*
Synchronization:	SMPTE 2059 (IEEE 1588 PTP)*
Correction:	Hitless Switching (SMPTE 2022-7)
	FEC (SMPTE 2022-5)*

Management

Control Interfaces:	Front Panel Interface
	(Four Line Display/Six-Button Keypad)
	Web Interface
	HTTP RESTful API
	SNMP Status/Control/Traps
	Syslog Alarm Support

Form Factor

Dimensions:	5.7"/145mm W x 6.7"/170mm D x 1RU
Rack Mount:	3 Units per 1RU Tray

Environment

Power Standard:	120 VAC/240 VAC
Power Connector:	Standard IEC Line Cord
	Power over Ethernet*
Operating Temp:	0 to 50 Degrees C

* Planned Roadmap