SEEDER

IP UHD Gateway



The IP UHD Gateway is a 2U multi-format gateway with four modular card slots, designed for bidirectional conversion between SDI signals and ST 2110 IP streams.

- Supports audio input and output delay adjustment.
- Complies with ST 2110-10/20/21/30/40 and ST 2022-7 standards.
- Supports standard PTP synchronization for frame synchronization between SDI and IP streams, with PTP-based phase alignment after conversion.
- Supports LSM labels for rapid input/output source assignment.
- Provides web-based management with real-time monitoring of CPU, memory, and network interfaces.
- Built on a mature x86 architecture with an embedded operating system for reliable 24/7 continuous operation.

Specification Comparison Table

Product	Model	
IP UHD Gateway	S-IPG880	S-IPG800
Basic Functions		
System Architecture	X86 architecture, embedded OS	
Functional Expansion	Elastic computing expansion; software-defined functions	
UHD I/O	8 × 12G-SDI inputs & outputs	8 × 12G-SDI inputs or outputs
HD I/O	16 × 3G/1.5G-SDI inputs or outputs	8 × 3G/1.5G-SDI inputs or outputs
100G Network	Supports 8 × 4K Input + 8 × 4K Output	Supports 8 × 4K streams for input or output
Standards	ST2110-10/20/21/30/40; ST2022-7	
NMOS	Supports NMOS IS-04/05 for stream configuration and control	
System Control	Supports LSM labels for rapid input/output source assignment	
PTP Sync Standards	1588V2, 2059-2, ST2110-10	
HD Formats	1080 50i/50P/59.94i/59.94iP/60i/60P	
UHD Formats	2160 50P/60P/59.94P	
WEB Management	Web-based management with real-time monitoring of CPU, memory, and network interfaces	
Audio Delay	Supports input/output delay adjustment	
Frame Sync	Supports frame synchronization between IP streams and SDI signals, with PTP phase alignment	
Basic Specifications		
SDI Interfaces	16× SDI ports, supporting 12G/3G/1.5G-SDI	8× SDI ports, supporting 12G/3G/1.5G-SDI
Data NIC	100Gb QSFP28 × 2	
Mgmt NIC	1Gb RJ45 × 2	
BMC	1Gb RJ45 × 1	
Server Chassis	2U standard rackmount, 485 × 450 × 89 mm	
Power	100–120V / 200–240V, 50/60Hz, 550W redundant power supply	
Storage Temp	–20~60°C	
Operating Temp	–10~40°C	
Stability	24/7 operation	
Certification	NRTA MA & CNAS reports	

Ordering Information

Product Model	Product Name
S-IPG880	IP UHD Gateway
S-IPG800	IP UHD Gateway