SEEDER

Slow Motion Replay System

- The IP UHD Slow Motion Replay System is an ST 2110 IP replay server designed for recording, delay, and slow-motion replay of IP media streams.
- Supports encoding and decoding of UHD XAVC300, XAVC-LGOP200, DNXHR, H.265, and HD XAVC100, Prores, DNxHD, XDCAM HD formats. Supports recording to either local M.2 SSD or external storage.
- Zero-latency video preview during recording and playback.
- 2 × 10GbE LAN, USB 3.1, NAS transfer, and network control.



Product Technical Specifications

Product	Model	
IP UHD Delay	S-SM220	S-SM440
Function		
System Architecture	x86 architecture, embedded operating system	
Functional Expansion	SDF distributed architecture (software-defined functionality), all audio/video formats supported under CPU+GPU capacity	
Recording Channels	2 × in UHD mode; 4 × in HD mode	4 × in UHD mode; 6 × in HD mode
Slow-Motion Replay	2 × in UHD mode; 4 × in HD mode	4 × in UHD mode; 6 × in HD mode
UHD Codecs	XAVC300, XAVC-LGOP200, DNxHR, H.265	
HD Codecs	XAVC100, ProRes, DNxHD, XDCAM HD	
Video Preview	Zero-latency video preview during recording and playback	
Multi-Channel Recording	Main/backup synchronized operation for high-precision system synchronization	
Audio Delay	Audio delay adjustment for A/V synchronization	
LSM Management	LSM for quick I/O definition, PTP status, and stream monitoring	
Supported Standards	ST2110-10/20/21/30/40; ST2022-7	
NMOS	NMOS IS-04/05 for stream configuration and control	
PTP Synchronization	IEEE 1588v2, SMPTE 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 CPU, GPU, memory, and NIC status	
Specification		
SDI I/O	4 × 12G SDI inputs/outputs	8 × 12G SDI inputs/outputs
Data Network Interface	100Gb QSFP28 × 2	
Management Network Interface	1Gb RJ45 ×3	
Data Interfaces	2 × 10GbE LAN, USB 3.1, NAS transfer, and network control	
Chassis	2U rack-mount, 485 × 450 × 89 mm	
Media Storage	8TB M.2 SSD	
Power Supply	100–120V / 200–240V, 50/60Hz, redundant PSU	
Storage Temperature	–20°C to +60°C	
Operating Temperature	–10°C to +40°C	
Continuous Operation	24/7 operation	

Ordering Information

Product Model	Product Name
S-SM220	IP UHD Delay
S-SM440	IP UHD Delay