SEEDER

# Live System Manger

Seeder LSM's core functions:

1. Provides NMOS server functionality: Device Management, Device Monitoring, and IP stream orchestration.
2. Supports visual label management with customizable ST 2110-20/30/40 multicast addresses and ports, plus Excel import/export.
3. Automatically discovers and graphically monitors x86 IP devices, with real-time status and alarms.
4. Monitors PTP synchronization status of all x86 IP devices.
5. Provides IP stream technical monitoring with real-time parameter feedback.
6. Integrates an audio gateway supporting bidirectional AES67 and ST 2110-30 conversion.





## Product Technical Specifications

| Product | Model | |
|---|---|---|
| Live System Manager | S-LSM100 | S-LSM110 |
| **Basic Functions** | | |
| System Architecture | X86 architecture, embedded OS | |
| Function Expansion | SDF distributed architecture (software-defined functionality), all audio/video formats supported under CPU capacity | |
| Auto Detection | Auto-detects X86 IP devices; displays CPU, GPU, memory, storage, NIC, chassis, etc | |
| Visual Label Manage | Custom ST2110-20/30/40 multicast + ports; quick label selection;Excel import/export | |
| PTP Monitoring | Monitors PTP status of all supported devices | |
| Stream Monitoring | Monitors and visualizes I/O stream status for each X86 IP device | |
| Audio Gateway | AES67/2110-30 Audio \| Bidirectional conversion | |
| Supported Standards | ST2110-10/20/21/30/40, ST2022-7 | |
| NMOS | Supports NMOS IS-04/05 for stream configuration and control | |
| PTP Sync | 1588V2, 2059-2, ST2110-10 | |
| WEB Management | Real-time CPU, memory, and NIC monitoring | |
| **Basic Specifications** | | |
| Data NIC | 100Gb QSFP28 × 1 | |
| Mgmt NIC | 1Gb RJ45 × 1 | |
| Audio Gateway Port | Audio gateway port × 1 | 2.5Gb audio gateway port × 1 |
| BMC Port | 1Gb RJ45 × 1 | |
| Server Chassis | 2U rackmount, 485×450×89 mm | 4U half-rack with 8.4-inch 1920 × 1200 touchscreen |
| Power | 100–120V / 200–240V, 50/60Hz, redundant 500W power supply | 100–120V / 200–240V, 50/60Hz, single 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-LSM100 | Live System Manager |
| S-LSM110 | Live System Manager |