



SCL Series

Live-Streaming Library Server

SCL-3300 Series • SCL-2300 Series



SCL-3300 Series



SCL-2300 Series

The SCL Series live-streaming library server is designed for Cinema Automation CA2.0. It can instantly stream DCP content to 30 screens from a live-streaming library server with a storage capacity of approximately 3,000 movie DCPs. Without the requirement for local storage at each screen media server, the theatre overcomes movie selection limitations and meets the demand for massive movie storage, not to mention the complete elimination of DCP transfer operation from a library server to a screen media server.

The SCL-3300 and SCL-2300 Series are GDC's third-generation library servers, the first to adopt an all-flash array. All storage uses enterprise-level NVMe SSDs, making the library server highly efficient and stable.

The SCL Series library server works with Cinema Automation CA2.0 to realize functions such as automatic show playlist generation and show scheduling, as well as intelligently manage digital cinema equipment and monitor projection quality, allowing theatres to fully realize unmanned projection.

SCL Series

Key Features

1 Unrestricted content ingest, transfer, and playback
The third-generation SCL Series library server features advanced all-flash arrays, allowing centrally ingested content to be played back on all screens from an SCL Series server—a live-streaming library server for DCPs. The SCL Series library server can simultaneously livestream different movies to up to 30 screens. Furthermore, content ingestion, transfer, and playback can be executed concurrently.

2 Greater flexibility in content scheduling
Playback of content can be easily arranged based on immediate needs. There's no need to wait for content to transfer to the screen media server's local storage; operators can select any movie from a library of up to 3,000 movies and play it on one, multiple, or all screens instantly.

3 Playback stability and reliability increase by 30 times¹
Traditional screen media servers need local storage; hence, content ingest and playback is a slow, painstaking process that often interrupts the screening. The SCL Series library server performs fast content ingest and real-time DCP streaming, eliminating the need for local storage for the screen media servers. It offers unprecedented efficiency in operation and system stability.

4 Content storage of each and every auditorium increases by 200 times² to up to 3,000 movie DCPs when compared to local storage
The third-generation SCL Series library server supports RAID-5 hot-swappable storage of up to 400TB. Content is stored in a central library server and is live-streamed to all the auditoriums. Each auditorium can access over 3,000 movies.

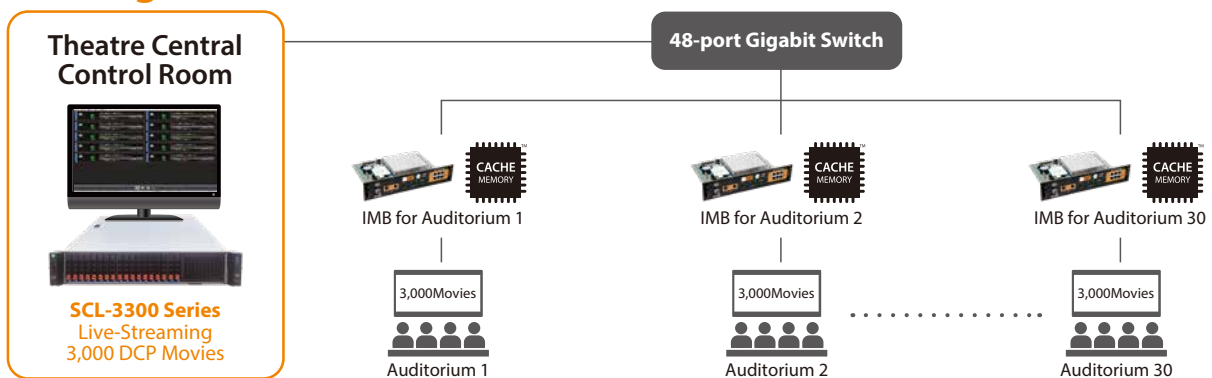
5 Fail-safe technology
In the unlikely event of SCL Series library server failure, there is no interruption to the operation of the multiplex. GDC media servers and SCL Series library servers are built with point-to-point fail-safe technology to ensure seamless and autonomous playback even in the absence of the library server. Please refer to the GDC media server SR-1000 with CineCache™ technology.

6 High-performance, stable, and flexible enterprise-level storage
The third-generation SCL Series library server uses one of the best NVMe enterprise-level storage. The SCL Series library server comes with 16 disk slots, which makes storage configuration more flexible. Customers can choose storage configurations according to their needs. The hot-swappable external disk slots also make maintenance and upgrades more convenient.

Technical Specifications

Series	SCL-3300 Series				SCL-2300 Series			
Models	SCL-3308	SCL-3314	SCL-3320	SCL-3330	SCL-2308	SCL-2314	SCL-2320	SCL-2330
Physical								
Dimensions	445 (W) x 650 (D) x 88 (H) mm				448 (W) x 727 (D) x 88 (H) mm			
Weight	12.85kg (without HDD)				16kg (without HDD)			
Environmental								
Operating temperature	10°C - 35°C (50°F - 95°F)							
Operating humidity	8% - 90%, non-condensing							
Operating altitude	10,000ft. (3,000m)							
Power								
Power requirement	100 to 240V, 60/50Hz, 5A				100 to 240V, 60/50Hz, 5A			
Max power consumption	550W				800W			
Storage								
System OS	250GB SSD				250GB SSD			
Content storage	15TB - 430TB				15TB - 215TB			
System Interfaces								
Network interface	2 x RJ45 (1000Base-T) + 2 x SFP+ (10GBase-SR)				4 x RJ45 (1000Base-T) + 2 x SFP+ (10GBase-SR)			
USB interface	2 x USB 2.0 + 5 x USB 3.0				1 x USB 2.0 + 4 x USB 3.0			
No. of screens supported centralized playback	8	14	20	30	8	14	20	30

System Configuration



The comparisons are based on the actual operation in a multiplex with 30 screens:

¹ Between the usage of traditional systems with up to 30 local storage devices and the usage of a SCL Series library server for all 30 screens.

² Between a local storage device with 2TB capacity and a SCL Series library server with 400TB capacity.

