



SCL Series

Centralized Playback Server

SCL-1200 Series • SCL-2200 Series



SCL-1200 Series



SCL-2200 Series

Enabling playback of thousands of movies from a central server to each and every screen in a 30-plex cinema, the SCL Series of centralized playback servers are designed for unmanned operation using Cinema Automation CA2.0 technology.

SCL Series servers offer each auditorium access to a wide assortment of movies from a centralized server without the need of local storage attached to every media server. They are designed with scalability and reliability in mind. Their storage capacity can be customized based on the number of screens (from 4 to 30) and the number of movie titles (up to a few thousands DCPs) to be stored and streamed to all the auditoriums. With the storage capacity increased by up to 100 times when compared to the traditional method, SCL Series servers are the answer to exhibitors' demand for an "online" content solution that enables them to maintain competitiveness in today's market.

By integrating SCL Series servers with Cinema Automation CA2.0, cinema operation can be streamlined with Automatic Content Management, Show Playlist Generation and Intelligent Cinema Equipment Management. Manual operation or human intervention is significantly reduced.

Copyright © 2022 GDC Technology Limited. All rights reserved. All trademarks listed in this brochure are properties of their respective owners. Specifications are subject to change without notice due to ongoing product development and improvement.



Key Features

1

Content ingestion time is greatly eliminated (approx. 30 minutes ingest time per movie)

Centralized content playback to 30 screens is enabled with one single ingest to SCL-2230 server. Repetitive content ingest for each auditorium is eliminated.

2

Greater flexibility in content scheduling

Content can be real-time programmed with ease according to the changing demand; programmer can choose any movie (from a library of thousands of movies) to play on any screen, or to all the screens.

3

Playback stability and reliability increase by 30 times¹

Traditional IMBs need local HDD storage hence content ingest and playback is a slow painful process that often results in interruption during screening. SCL-2230 server performs fast real-time content ingest (local storage is not needed for each media server) with uninterrupted playback to all the 30 screens. It offers unprecedented efficiency in operation and flexibility in programming.

4

Content storage of each and every auditorium increases by 100 times² and to up to 2,000 movies when compared to local storage

SCL-2230 supports RAID-6 hot swappable storage of up to 204TB. Content is stored in centralized server and is live-streamed to all the auditoriums. Each auditorium can access over 2,000 DCI-compliant movies.

5

Fail-safe technology

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

6

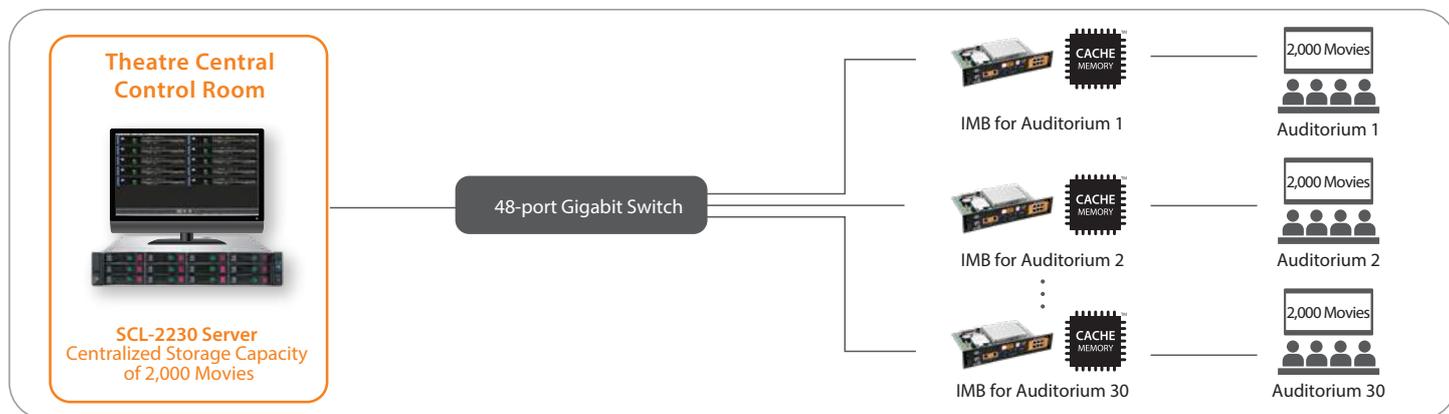
Simultaneously ingest and playback to multiple auditoriums

Ingest at maximum speed while streaming content up to 30 auditoriums simultaneously. DCP ingestion and transfers are enabled during centralized playback.

Technical Specifications

Series	SCL-1200 Series		SCL-2200 Series			
Models	SCL-1208  SCL-1214		SCL-2208	SCL-2214 	SCL-2220	SCL-2230
Physical						
Dimensions	482 (W) x 650 (D) x 88 (H) mm		482 (W) x 740 (D) x 88 (H) mm			
Weight	12.85 kg (without HDD)		25 kg (without HDD)			
Environmental						
Operating temperature	10°C to 35°C (50°F to 95°F)		10°C to 35°C (50°F to 95°F)			
Operating humidity	8 to 90%, non-condensing		8 to 90%, non-condensing			
Operating altitude	10,000ft. (3,000m)		10,000ft. (3,000m)			
Power						
Power requirement	100V to 240V, 60/50Hz, 5A		100V to 240V, 60/50Hz, 5A			
Max power consumption	550W		500W			
Storage						
System OS	512GB SSD		250GB SSD			
Content storage	16TB to 84TB		20TB to 204TB			
System Interfaces						
Network interface	2 x RJ45 (1000Base-T) 2 x RJ45 (10GBase-T)		4 x RJ45 (1000Base-T) 2 x SFP+ (10GBase-SR) 4 x USB 3.0			
USB interface	2 x USB 2.0 + 5 x USB 3.0					
No. of screens supported centralized playback	8	14	8	14	20	30

SCL Series 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-2230 for all 30 screens.

² Between a local storage device with 2TB capacity and a SCL-2230 server with 204TB capacity.