



Introducing GDC Cinema Automation

Reshaping the Future of Cinema Technology



1919

First Rotary Phone



1973

First Mobile Phone



2007

First Smart Phone

Technology – From Evolution to Revolution

Since 2001, GDC's smart cinema solutions have continually evolved to save cinema operators' time, effort and cost. Now GDC takes another giant step into the future with **Cinema Automation CA2.0**, the first-ever integrated centralized solution to automatically manage content storage and playback, show scheduling, power supply and screening quality.



1895

First Celluloid Film Projector



1999

First Digital Cinema



A REVOLUTION IN
CINEMA MANAGEMENT

2017

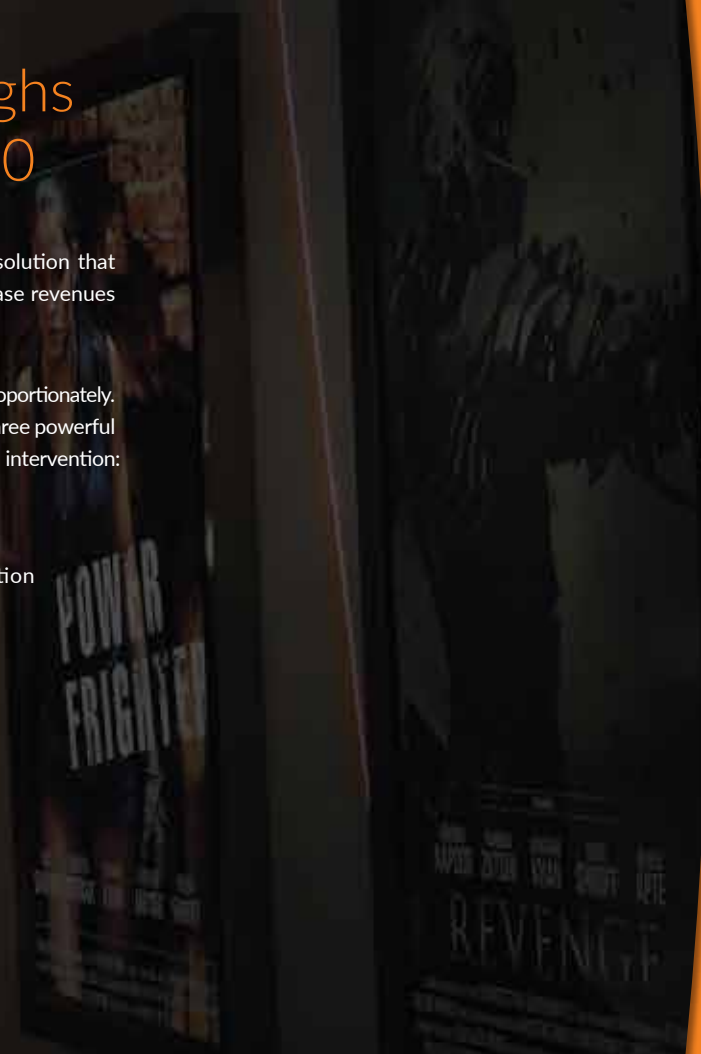
First Completely
Automated Cinema

3 Revolutionary Breakthroughs in Cinema Automation CA2.0

Cinema Automation CA2.0 is a game-changer – the first-ever integrated solution that leverages machine intelligence to help exhibitors cut operating costs, increase revenues and improve screening quality.

As multiplexes comprise ever more screens, manpower requirements expand proportionately. Now the cutting-edge CA2.0 revolutionizes digital cinema management, with three powerful breakthroughs for improved efficiency, enhanced reliability and reduced human intervention:

- Breakthrough 1** SCL Series Centralized Storage Playback Solution
- Breakthrough 2** Automatic Content Management and Show Playlist Generation
- Breakthrough 3** Intelligent Cinema Equipment Management



BREAKTHROUGH 1

SCL Series Centralized Storage Playback Solution

CA2.0 is built around the SCL Series Centralized Storage Playback Solution and is supported by the SCL-1000, SCL-2000, SCL-3000 or SCL-4000 Centralized Playback Server. It offers a range of significant improvements over traditional methods.

>90%

CUT IN CONTENT INGESTION TIME

Content ingestion performed only once, taking around 30 minutes ¹

30x

PLAYBACK RELIABILITY

Playback stability and reliability is substantially increased by 30 times ²

>50x

CONTENT STORAGE

Colossal 204TB centralized storage serving up to 30 screens, eliminating local storage needs ³

2000

MOVIES IN 1 STORAGE SERVER

Wide selection of movies available to each auditorium from SCL-4000 centralized server

**FAIL-SAFE
DESIGN**

BACKUP MECHANISM AVAILABLE TO ENSURE EVERY SCREENING CONTINUES AUTONOMOUSLY

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

- 1 Between an approximate total of 900 minutes to ingest a movie to all 30 screens and an on-time ingest of around 30 minutes to a SCL-4000 server.
- 2 Between the usage of traditional systems with up to 30 local storage devices and the usage of a SCL-4000 server for all 30 screens.
- 3 Between a storage device with 4TB or 33 movies capacity and a SCL-4000 server with 204TB or 2000 movies capacity.



BREAKTHROUGH 2

Automatic Content Management and Show Playlist Generation

Automated Show Scheduling

Streamlined Content Management

Single-Point Show Programming through POS

CA2.0 allows automatic content management and show playlist (SPL) generation which provide rich support to the cinema automation process. CA2.0 seamlessly integrates with POS – the operator only needs to program the shows once via POS, and CA2.0 handles all subsequent complex procedures automatically. This eliminates the time and effort now required manually to prepare accurate SPLs and facilitates flexible and dynamic show programming.



Intelligent Cinema Equipment Management

Intelligent Power Supply Management – According to the pre-set schedule, the wake-on LAN system intelligently turns power supply on or off for cinema equipment (including projectors, digital cinema servers, audio systems and luminance equipment), saving energy and time-consuming manual effort.

Automated Quality Assurance of Screening – CA2.0 manages screening quality by smart testing and analysis of luminance, chromaticity and sound pressure level. Screening check is performed automatically with results available instantaneously.

With smart playback content management and cinema operation, centralized cinema management becomes almost as simple as flicking a switch.



Global Installations

Since June 2017, the installations of CA2.0 have reached over 100 locations and more than 700 screens globally.



**HUAYI BROTHERS
CINEMA (BEIJING
YANGQIAO)**
Beijing, China



**BONA INTERNATIONAL
CINEMA (BEIJING MIYUN)**
Beijing, China



**NEW COLOURFUL
CLOUDS CINEMAS**
Beijing, China



**BESTAR CINEMAS
(NANJING INJOY PLAZA)**
Nanjing, China



**CHINA FILM CINEMA
(NANJING BAIXIA
DAGUANLU)**
Nanjing, China



**RED STAR CINEMA
WORLD (SHANGHAI
WUZHONG ROAD)**
Shanghai, China



**CHINA FILM CINEMA
(SHENZHEN SHEN GUO
TOU)**
Shenzhen, China



**JINYI CINEMAS
(SHENZHEN
GONGMING JIAYU)**
Shenzhen, China



**NEW SOUTH MOVIE
CITY (SHENZHEN CITIC)**
Shenzhen, China



**CINEMA CITY
(CHAI WAN)**
Hong Kong



**MCL CINEMAS
(SOUTH HORIZONS)**
Hong Kong



**UA CINEMAS
(MEGABOX)**
Hong Kong



**GOLDEN SCREEN
CINEMAS (IOI CITY MALL)**
Putrajaya, Malaysia



**GOLDEN VILLAGE (GOLD
CLASS SUNTEC CITY)**
Singapore



**SHAW THEATRES
(WATERWAY POINT)**
Singapore



IPIC (WESTWOOD)
Los Angeles, USA



**SHERMAN OAKS PART OF
PACIFIC THEATRES**
Los Angeles, USA

* This is a partial list only



CINEMA AUTOMATION CA2.0

TRANSFORMING DIGITAL CINEMA NOW

Contact us at marketing@gdc-tech.com to learn more about the benefits of GDC Cinema Automation CA2.0



www.gdc-tech.com

Copyright © 2019 GDC Technology Limited. All rights reserved.

PB-0815-1812-V1E