Introducing GDC Cinema Automation CA2.0

Reshaping the Future of Cinema Technology

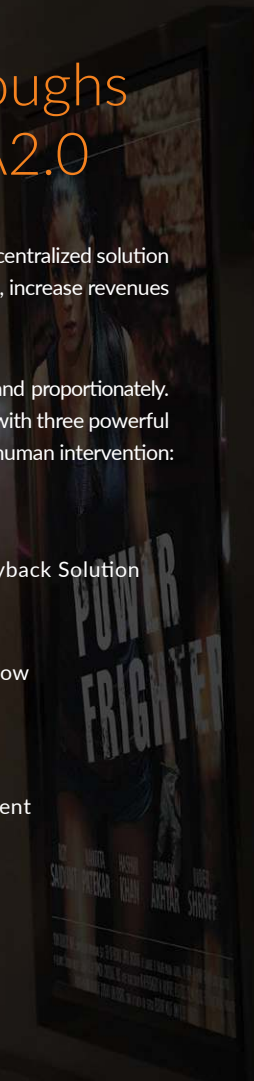# 3 Revolutionary Breakthroughs in Cinema Automation CA2.0

Cinema Automation CA2.0 is a game-changer – the first-ever integrated centralized 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 Mk2 Series Centralized Storage Playback Solution

Breakthrough 2   Automatic Content Management and Show Playlist Generation

Breakthrough 3   Intelligent Cinema Equipment Management

SCL Mk2 Series Centralized Storage Playback Solution

CA2.0 is built around the SCL Mk2 Series Centralized Storage Playback Solution and is supported by the SCL-1000 Mk2, SCL-2000 Mk2, SCL-3000 Mk2 or SCL-4000 Mk2 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]

>100x
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 Mk2 centralized server

FAIL-SAFE DESIGN
BACKUP MECHANISM AVAILABLE TO ENSURE EVERY SCREENING CONTINUES AUTONOMOUSLY

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

1 Between an approximate total of 900 minutes to ingest a movie to all 30 screens and a one-time ingest of around 30 minutes of a movie to a SCL-4000 Mk2 server.

2 Between the usage of traditional systems with up to 30 local storage devices and the usage of a SCL-4000 Mk2 server for all 30 screens.

3 Between a local storage device with 2TB capacity and a SCL-4000 Mk2 server with 204TB capacity.

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.

TmsAware™

The TmsAware™ is a cloud-based platform that allows real-time monitoring of cinema operations anywhere, anytime without boundary. With TmsAware™, users can remotely access Cinema Automation CA2.0 or GDC's TMS to keep track of operations inside a multiplex. Checking the schedule of each screen and the status of cinema equipment through mobile device on-the-go does not only increase efficiency for cinema operators, but also enables prevention of faulty situations. In the case of abnormality, user's mobile device will receive an alert and operators can take timely measures to attend to the occurrence.

Main Features of TmsAware™

CURRENT SCREENING

Quick view of the movies currently showing in each auditorium
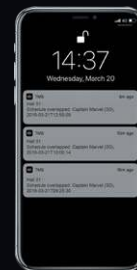

EQUIPMENT MONITORING

Real-time monitoring the operating status of digital cinema equipment

MOVIE SHOWTIMES

Display scheduled shows in real-time

NOTIFICATION INFORMATION

Push fault or alarm messages allow timely attention to abnormalities

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Global Installations

Since June 2017, the installations of CA2.0 have reached over 110 locations and more than 1,000 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 DAGUANGLU)
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

CINEMA CITY (CHAI WAN)
Hong Kong

MCL CINEMA (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 THEATERS (WESTWOOD)
Los Angeles, USA

PACIFIC THEATRES (SHERMAN OAKS)
Los Angeles, USA

UPLINK KICHIJOJI
Tokyo, Japan

GOLDEN APPLE CINEMA
Zlín, Czech Republic

* This is a partial list only

CINEMA AUTOMATION CA2.0

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

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