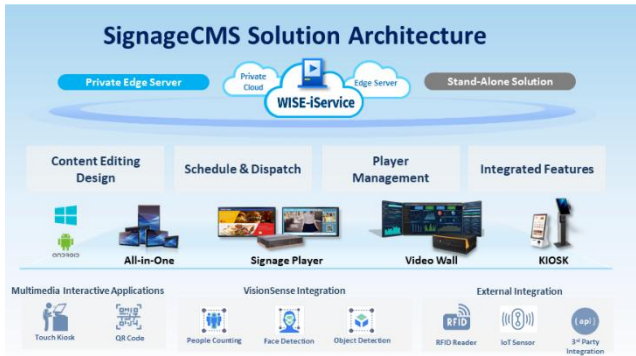


# SignageCMS

Interactive Digital Signage Solution  
Intuitive & flexible content manager



## Feature

- Provide cloud service and Edge server options
- Edit program to anywhere in anytime
- Remotely manage the players
- Dispatch program by one click to every players
- Schedule the playing time according to the minute, hour, day, month, year
- Support diverse interactions, screen touch, sensors, mobile device
- Provide Interactive APIs for application integration
- Detailed proof-of-play statistic report

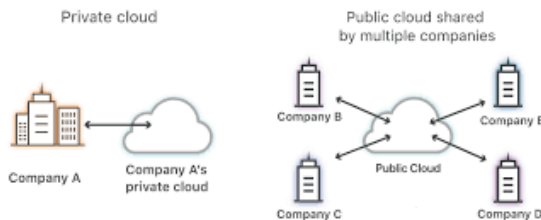
## Introduction

SignageCMS is an intuitive and flexible solution for integrated information content design and display management. This solution is designed to optimize content distribution by providing a cost-effective solution for media broadcasting management. It enables users to schedule content remotely from any place, any time- then dispatches it to multiple client devices simultaneously.

## Key Functions

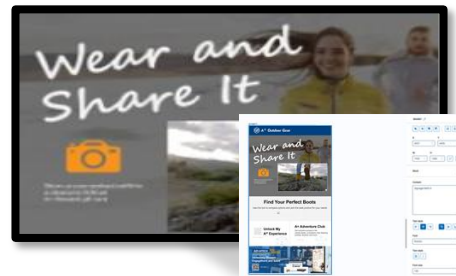
### Cloud Service & Edge Server Options

SignageCMS support both public cloud and private server options, which can fulfill all kinds of system requirement. Cloud service is suitable for large-scale deployments. Edge servers are ideal for meeting your network security management needs.



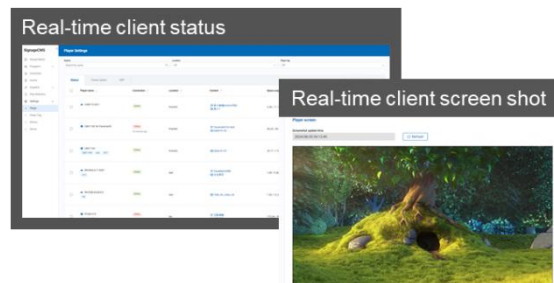
### User Friendly Interface

Intuitive drag and drop for program layout edit with dynamic preview. Flexible scheduling in a calendar view for switching the program schedule quickly. Moreover, the user-defined client groups in cities & regions/areas made the dispatch easy and rapid.



### Seamless Remote Management

Signage features an intuitive dashboard that enables real-time remote management of all client devices from a single platform in 24/7 support. The platform also provide the over-the-air function to update client software effortlessly.



### APIs for Interactive & Integration

SignageCMS provides comprehensive APIs combined with various sensors such as IPcam, Webcam, RFID, Barcode etc. Users can easily make an interactive program to enhance customer engagement efficiently.



## Software Specifications

### SignageCMS Server

Media Management	File Upload	Supports single select and multi-select to upload files
	File Grouping	User-defined groups
	File Preview	Thumbnail preview and list view Displays media type, size, resolution, and upload time
	Media Format	JPEG/BMP/GIF/PNG, MPEG 1/2/4, AVI, VP8,MOV, WMV, FLV, MP3, MS-PowerPoint, PDF, Chrome, HTML, marquee
Program Management	Directory Tree Display	Based on a directory tree, easy to add, move, and delete programs
	Thumbnail Preview	Easy to find the right program for the next action
	Displays Configuration	Displays' numbers, layouts and resolution setup. (supports landscape & portrait)
	Friendly Interface	What you see is what you get, real-time content thumbnail preview
	Drag and Drop	Easy to reposition or resize by mouse.
	Playlist	Setup the content list, and replay automatically
	Background Color, Image, Music Setup	Can be customized based on preferences
Schedule Management	Rich Media Widget Support	Includes images, audio, video, text, files, HTML, YouTube, RTSP and more
	Schedule by Calendar	Based on daily schedule, setup calendar for different schedules on specific dates
	Repeating Schedule	Freely schedule repeating content based on days of the week, weekdays, and holidays
	Schedule Management	Create, Copy and Delete
Dispatch Management	Appointment Dispatch	Schedule the dispatch or activation time and date
	Bulk Dispatch	Unlimited
	Client Group Setting	Group clients for more efficient management
Remote Client Management	Instant Schedule	Real-time dispatch for urgent messages
	Remote Screen On/Off	Schedule specific times for screens to automatically turn on or off.
	Remote Software Update	Initiate version updates remotely for all clients
	Client Status Monitoring	Includes heartbeat, system and performance information
System Management	Real-Time Screenshot Monitoring	Get the client's real-time screenshot and refresh automatically
	Authorization Settings	Users can be setup with different permissions or groupings or different functions
	Simultaneous Editing	System accepts multiple users operating at the same time
	System Backup/ Recovery	Backup/restore the server system with one click
	Resume Download	In case the network is unstable or the client goes offline
	User Notification	Monitor device offline status, delivery progress, and review requests, and notify users via email.

### SignageCMS Client

Content	Audio and Video Output	SD, HD, Full HD, 4K (*depends on device performance)
Playback Engine	Display Control	Portrait, Landscape
	Multi-Screen Display	Unlimited
	Remote Software Update	Update to the latest from the server
	Client Status Report	Heartbeat, System and Performance information report
	Rich Media Format Support	Images: JPG, PNG,GIF, BMP, GIFVideo: MP4, AVI, ,VP8, WMV, MOV, MPG, MKV (*depends on the codec)Text: Text, Scrolling Text, Bulletin, TimeAudio: MP3, WMA, WAVFile: PPT*, PDF Text: Interfacing TXT, RSS (1.0)Others: Web URL, HTML, YouTube, RTSP*3rd-party plug-in is required for playback

## Signage Server Ordering Information

### SignageCMS Server Software

P/N	Description	Note
36ASDSC3SWPR01	SignageCMS Windows Server Pro License/300 clients connection	SignageCMS Private Edge Server Pro Expand interaction, develop service innovation and enhance the customer experience. Supports maximum 300 client connections
36ASDSC3SWPRE1	SignageCMS Windows Server Pro License/1000 clients connection	SignageCMS Private Edge Server Pro Expand interaction, develop service innovation and enhance the customer experience. Supports maximum 1000 client connections

### Private Edge Server System Minimum Requirement

- OS: Windows 10, Windows Server 2019 (does not support Windows Server Datacenter)
- CPU: Intel® Core™ i3 or above
- RAM: 16GB or more
- Hard Disk: 500GB or more (depends on media file size)
- Port: 8000 (default), 1883 (MQTT), 5432(PostgreSQL)
- IP Address: Static IP Address is required

\* PostgreSQL is required for server installation.

### SignageCMS Server Device

P/N	Description	RAM	Storage	OS	SW
UBX-110HDSS-G1E-C	UBX110,i5-11,16G,1T,Win10,Signage Server	16 GB	1 TB SSD	Win10 IoT	SignageCMS Server Pro
UBX-110HDSS-G2E-C	UBX110,i3-N05,16G,1T,Win11,Signage Server	16 GB	1 TB SSD	Win10 IoT	SignageCMS Server Pro

## SignageCMS Client Ordering Information

### SignageCMS Client Players

P/N	Description	RAM	Storage	OS	SW
USM-110DSNC4-S1E-C	Cortex A55,4G,32G,Android12, SignageCMS Client Display Outputs: 1 x HDMI	4 GB	32 GB	Android12	SignageCMS Client Pro
UBX-010DSNC-S1E-C	RK3576,4G,64G,Android14,SignageCMS Client	4 GB	64 GB	Android14	SignageCMS Client Pro
UBX-010DSNC-S2E-C	RK3576,4G/64G,Android14,SignageCMS Client,Wifi	4 GB	64 GB	Android14	SignageCMS Client Pro
UBX-110DSNC-G1E-C	N97,8G,128G,Win10,SignageCMS Client (MIT)	8GB	128 GB	Win10 IoT	SignageCMS Client Pro
UBX-110DSNC-G2E-C	N97,8G,128G,Win10,SignageCMS Client,Wifi	8GB	128 GB	Win10 IoT	SignageCMS Client Pro
UBX-110HDSNC-G1E-C	6305E,8G,128G,Win11,SignageCMS Client	8GB	128 GB	Win11 IoT	SignageCMS Client Pro
UBX-110HDSNC-G2E-C	6305E,8G,128G,Win11,SignageCMS Client,Wifi	8GB	128 GB	Win11 IoT	SignageCMS Client Pro

### SignageCMS All-in-One with Displays

P/N	Description	RAM	Storage	OS	SW
UTM-743DSNC-G1E-C	CortexA55,4G/32G,Android13,43 inch, SignageCMS Client	4 GB	32GB	Android13	SignageCMS Client Pro
UTM-755DSNC-G1E-C	CortexA55,4G/32G,Android13,55 inch, SignageCMS Client	4 GB	32GB	Android13	SignageCMS Client Pro
UTM-765DSNC-G1E-C	CortexA55,4G/32G,Android13,65 inch, SignageCMS Client	4 GB	32GB	Android13	SignageCMS Client Pro

### SignageCMS Client Software

P/N	Description	Note
36ASDSC3CWPR01	SignageCMS Windows Client Pro License	Requires SignageCMS Pro Private Server

### SignageCMS Client System Minimum Requirement

- OS: Windows 10 LTSC or above
  - CPU: J6412 or above
  - RAM: 8 GB or more
  - Hard Disk: 64 GB or more (depends on media file size)
  - Port: 8085 (Interaction API), 1883 (MQTT)
  - IP Address: Static IP Address is required
- \* K-lite and VLC are required for video codec.