

CONTENT DELIVERED

SCALABLE, ROBUST DIGITAL SIGNAGE SOLUTIONS

Deliver precise messaging at the right time for maximum results using iCOMPEL®. It's just what you need to assemble, distribute and manage digital signage content easily in installations ranging from small to enterprise level deployments.





BLACK BOX'S PROVEN METHODOLOGY FOR SUCCESSFUL DIGITAL SIGNAGE DEPLOYMENT

When you're ready, our team of digital signage experts will help you design and configure your perfect solution. The first step in our process is to conduct a thorough needs assessment with all interested parties. During the needs assessment, our signage experts will gain an understanding of your project scope and scale as well as desired outcomes. We will help you understand options like networked and wireless media players, streaming video, interactive touch, RSS feeds and more so that we recommend the solution that is right for you. As a result of the needs assessment, we will provide you with a signage recommendation. Following the recommendations, you may request a system capability demo during which we will show you the exact features that we are recommending for your entity. If you are satisfied with the solution, our team will configure your system for deployment. Following deployment, we offer in-depth training as well as on-going free technical support.

STEP 1: Needs Assessment

STEP 2: Recommendation and Total Cost of Ownership Assessment

STEP 3: System Capability Demo (optional)

STEP 4: System Configuration

STEP 5: Signage Deployment

STEP 6: Training and Technical Support (ongoing)

Whether you're planning to provide vibrant communications, wayfinding, digital menu boards or Kiosks, Black Box has an offering for just about any size project and budget.

Contact us today at 00800-22552269 for a free consultation.

THE BLACK BOX ADVANTAGE

DELIVERING TECHNOLOGY SOLUTIONS FOR 40+ YEARS

- Visual Solutions, Digital Signage, Video Walls
- Pro A/V, Collaboration, Control Rooms, Control Systems

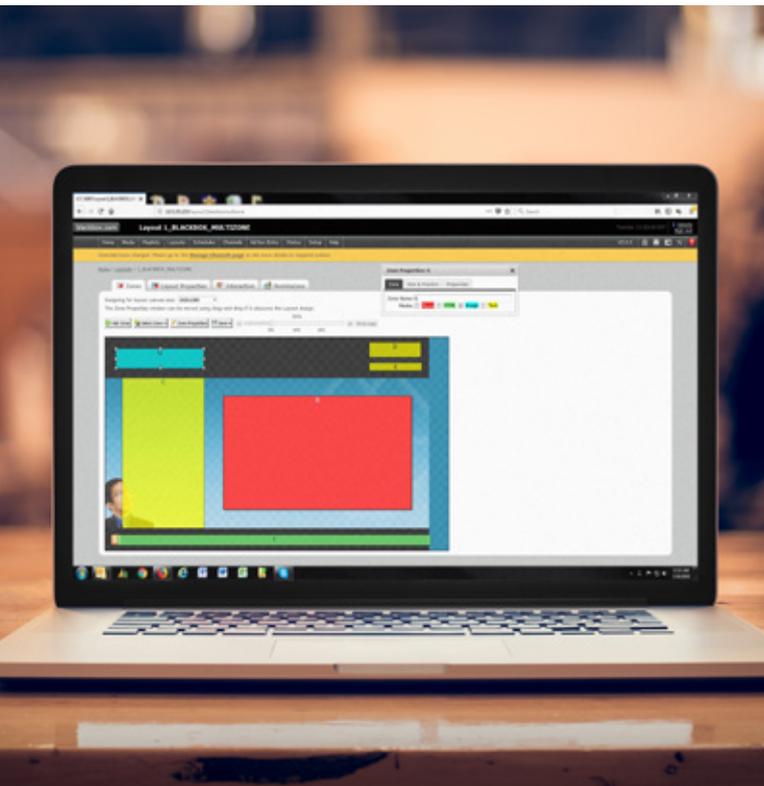
HELPING OUR CLIENTS SUCCEED

- 15,000 signage customers
- 65,000 players
- 400,000+ screens

iCOMPEL DIGITAL SIGNAGE OVERVIEW

Digital Signage is about more than a player – it's all about content, how it's managed and the management of your network to maximise uptime and minimise the total cost of ownership. The capability, scalability, productivity and ease of use of the Content Management System (CMS) are crucial to achieving a successful outcome regardless of the scale of the network. With an iCOMPEL solution, a network can easily grow from a single Stand Alone player, to a small network via our Publisher solution, up to an Enterprise network using our Content Management Solution for networks of tens of thousands of players.

Our Instant Signage Solution is ideal for those preferring a one stop shop solution. iCOMPEL's player agnostic Enterprise Content Commander CMS gives a choice between the players or screens based on your budgets and requirements. The CMS allows a mixed network of players and System-on-Chip (SOC) screens to be managed, including those from LG, Samsung, BrightSign and NEC.



iCOMPEL MULTI-PLATFORM ENTERPRISE CONTENT MANAGEMENT SYSTEM SOFTWARE SCREENSHOT

iCOMPEL MULTI-PLATFORM ENTERPRISE CONTENT MANAGEMENT SYSTEM

The Content Commander CMS is a powerful content and player management system capable of delivering content to tens of thousands of players. The CMS software delivers a business tool that makes creating, publishing and managing content simple and dependable. The CMS acts as the central control point for all players and content, and can deliver media rich content in an advanced schedule to multiple players on a global scale.

Enterprise scalability and management

- Available as a physical or virtual appliance
- Single or multi-tier architecture for 5000+ end points
- Support for a wide range of player platforms
- Centralised mechanism for network wide software updates
- Player health monitoring, screen snapshot and issue alarms
- Remote configuration of players from a central location
- Player/ screen failover mechanism
- Screen on/off scheduling
- Automated backups
- Bandwidth management

iCOMPEL MULTI-PLATFORM ENTERPRISE CONTENT MANAGEMENT SYSTEM

CATALOG #	DESCRIPTION
ICC-AP-50-R2	iCOMPEL Content Commander CMS V3 50 Subscriber
ICC-AP-100-R2	iCOMPEL Content Commander CMS V3 100 Subscriber
ICC-AP-250-R2	iCOMPEL Content Commander CMS V3 250 Subscriber
ICC-VM-1500	iCOMPEL Content Commander CMS V3 Virtual Machine 1500 Subscriber
ICC-VM-1000	iCOMPEL Content Commander CMS V3 Virtual Machine 1000 Subscriber
ICC-VM-500	iCOMPEL Content Commander CMS V3 Virtual Machine 500 Subscriber
ICC-VM-250	iCOMPEL Content Commander CMS V3 Virtual Machine 250 Subscriber
ICC-VM-100	iCOMPEL Content Commander CMS V3 Virtual Machine 100 Subscriber
ICC-VM-50	iCOMPEL Content Commander CMS V3 Virtual Machine 50 Subscriber



iCOMPEL INSTANT SIGNAGE

iCOMPEL Stand Alone players provide an all in one solution to create, manage and display content in one box. For networks, iCOMPEL players are used as Subscribers pulling their content from a master Publisher player or the Enterprise Content Commander CMS.

The intuitive web user interface allows users to schedule zoned multi-media content for a variety of display screens. iCOMPEL players allow powerful communications in up to 4K UHD including live TV, video feeds, RSS, HTML and Flash content all on one screen.

DELIVER THE RIGHT MESSAGE TO THE RIGHT PLACE AT THE RIGHT TIME

Easily build sophisticated playlists using the drag-and-drop playlist editor and advanced playlisting features including:

- Bandwidth management
- Dayparting playback rules
- Playback based on meta-tagging
- Random or sequential playback for folders of content
- Folder mirror to external network drives
- Inter-zone triggering and synchronization
- Simplified user interface for instant updates by local users, such as receptionists

iCOMPEL INSTANT SIGNAGE

CATALOG #	DESCRIPTION
ICRP-HD-QR-N	Single Zone, Networked Player, Fanless for Retail/QSR
ICRP-HD-QR-W	Single Zone, Networked Player, Fanless for Retail/QSR w/WIFI
ICVF-VE-SU-N-R3	Fanless, Standard Intel Celeron, SSD-60GB, 2GB RAM, VGA and HDMI
ICVS-VE-SU-N	Standard Intel Celeron, SSD-60GB, 2GB RAM, VGA and HDMI
ICVF-VL-SU-N-R3	Fanless, Standard Intel Celeron, SSD-32GB, 2GB RAM, VGA and HDMI
ICKS-VE-KU-N-R3	Stand Alone Kiosk Player, Standard Intel Celeron, SSD-60GB, VGA and HDMI
ICSS-2U-SU-N-H-R5	1080p, 4th Gen Celeron, HDD-500 GB, HDMI 4 GB RAM, DVI-I and DisplayPort
ICSS-2U-SU-N-D-R5	1080p, 4th Gen Celeron, HDD-500 GB, HDMI 4 GB RAM, DVI-I and DisplayPort + DVB-T
ICQS-VE-SU-N-R3	Fanless, 4th Gen Celeron, SSD-128GB, 4GB RAM, HDMI and DP

HIGH PERFORMANCE 24/7 LINUX PLAYERS

- Networked via Ethernet, Wi-Fi, 4G
- 32GB to 128GB SSD model dependent, ideal for rich media
- Multi-zone: Unlimited number of zones in any size, position, layer or time
- Multiple templates in a channel
- Drag and drop template and playlist design
- Easily connect to external content such as TV, Streams, RSS, Web, Databases
- Simple user interface for local content update of text and images
- Support for custom screen resolutions
- Multilingual web browser in English, Spanish, Portuguese, German, French, Italian, Russian, Turkish, Arabic, Thai, Japanese, Korean, Chinese

Option software features:

- Streaming in client
- Touch license
- Wi-Fi license

iCOMPEL INSTANT SIGNAGE (CONTINUED)

CATALOG #	DESCRIPTION
ICQS-VE-SU-N-R4	4th Gen Celeron, HDD-500GB, 4GB RAM, HDMI and DP
ICVO-SU-N	Standard Intel Celeron, SSD-60GB, 2GB RAM, VGA and HDMI
ICPS-2U-SU-N-D-R5	4K, Intel i5 Core, HDD-500 GB Hard Drive, 4 GB RAM, HDMI, DVI, DisplayPort
ICPS-VE-SU-N-R5	4K, Fanless, Intel i3 Core, SSD-128 GB Hard Drive, 8 GB RAM, HDMI, DisplayPort, VESA Mount
ICPS-2U-PU-N-D-R5	Intel i3, HDD-500GB, 4GB RAM, HDMI, DVI-I and DP
ICPS-VE-PU-N-R5	Fanless, Intel i3, SSD-128GB, 8GB RAM, HDMI and DP, Screen Mountable
ICSS-2U-PU-N-H-R5	4th Gen Celeron, HDD-500GB, 4GB RAM, HDMI, DVI-I and DP
ICSS-2U-PU-N-D-R5	4th Gen Celeron, HDD-500GB, 4GB RAM, HDMI, DVI-I and DP + DVB-T
ICSS-VE-PU-N-R4	4th Gen Celeron, HDD-500GB, 4GB RAM, HDMI and DP



iCOMPEL SYSTEM-ON-CHIP (SOC) PLAYER LICENSES

iCOMPEL's SoC solution enables direct installation of its software player onto Samsung Tizen or LG WebOS 3.0 displays eliminating the need for a physical signage player. The total cost of ownership for the end user is reduced, making this an appealing solution for budget conscious installations such as quick serve retail. The SoC license may also be used with Version 2 and 3 BrightSign players where there is a requirement to manage existing large BrightSign player networks using an enterprise CMS.

Multi-platform player software for SoC

- Store and forward
- Easy installation
- Remote player management and configuration
- On screen diagnostics and error alerts
- Remote screen grab of currently playing content
- Single and multi-zone license options
- 1,3 and 5-year license lengths
- Manage mixed player networks
- Control screen On/Off
- Transparent image layer support
- HDMI capture
- Landscape and portrait support
- License can be re-purposed if hardware fails

iCOMPEL SYSTEM-ON-CHIP (SOC) PLAYER LICENSES

CATALOG #	DESCRIPTION
IC-SOC-MULTI-1YA	Multi Zone SoC License 1 Year, 1 to 49 Screens
IC-SOC-MULTI-1YB	Multi Zone SoC License 1 Year, 50 to 99 Screens
IC-SOC-MULTI-1YC	Multi Zone SoC License 1 Year, 100+ Screens
IC-SOC-MULTI-3YA	Multi Zone SoC License 3 Year, 1 to 49 Screens
IC-SOC-MULTI-3YB	Multi Zone SoC License 3 Year, 50 to 99 Screens
IC-SOC-MULTI-3YC	Multi Zone SoC License 3 Year, 100+ Screens
IC-SOC-MULTI-5YA	Multi Zone SoC License 5 Year, 1 to 49 Screens
IC-SOC-MULTI-5YB	Multi Zone SoC License 5 Year, 50 to 99 Screens
IC-SOC-MULTI-5YC	Multi Zone SoC License 5 Year, 100+ Screens
IC-SOC-SINGLE-1YA	Single Zone SoC License 1 Year, 1 to 49 Screens
IC-SOC-SINGLE-1YB	Single Zone SoC License 1 Year, 50 to 99 Screens
IC-SOC-SINGLE-1YC	Single Zone SoC License 1 Year, 100+ Screens
IC-SOC-SINGLE-3YA	Single Zone SoC License 3 Year, 1 to 49 Screens
IC-SOC-SINGLE-3YB	Single Zone SoC License 3 Year, 50 to 99 Screens
IC-SOC-SINGLE-3YC	Single Zone SoC License 3 Year, 100+ Screens
IC-SOC-SINGLE-5YA	Single Zone SoC License 5 Year, 1 to 49 Screens
IC-SOC-SINGLE-5YB	Single Zone SoC License 5 Year, 50 to 99 Screens
IC-SOC-SINGLE-5YC	Single Zone SoC License 5 Year, 100+ Screens



Time	Destination	Terminal - Enregistrement	Terminal - Check-in	Porte Gate
10:00	London	AF 1000	2F 12	On time
10:05	Paris	AF 1005	2F 12	On time
10:10	Amsterdam	AF 1010	2F 12	On time
10:15	Brussels	AF 1015	2F 12	On time
10:20	Frankfurt	AF 1020	2F 12	On time
10:25	Munich	AF 1025	2F 12	On time
10:30	Zurich	AF 1030	2F 12	On time
10:35	Geneva	AF 1035	2F 12	On time
10:40	Barcelona	AF 1040	2F 12	On time
10:45	Madrid	AF 1045	2F 12	On time
10:50	Rome	AF 1050	2F 12	On time
10:55	Naples	AF 1055	2F 12	On time
11:00	Paris	AF 1100	2F 12	On time
11:05	London	AF 1105	2F 12	On time
11:10	Amsterdam	AF 1110	2F 12	On time
11:15	Brussels	AF 1115	2F 12	On time
11:20	Frankfurt	AF 1120	2F 12	On time
11:25	Munich	AF 1125	2F 12	On time
11:30	Zurich	AF 1130	2F 12	On time
11:35	Geneva	AF 1135	2F 12	On time
11:40	Barcelona	AF 1140	2F 12	On time
11:45	Madrid	AF 1145	2F 12	On time
11:50	Rome	AF 1150	2F 12	On time
11:55	Naples	AF 1155	2F 12	On time

Time	Destination	Terminal - Enregistrement	Terminal - Check-in	Porte Gate
10:00	Düsseldorf	AF 1006	2F 12	On time
10:05	Geneva	AF 1042	2F 6	On time
10:10	Wien	AF 7700	2F 6	On time
10:15	Berlin	AF 7626	2F 6	On time
10:20	München	AF 7688	2F 6	On time
10:25	Düsseldorf	AF 1085	2C 16	On time
10:30	Amsterdam	KL 1244	2F 6	On time
10:35	Paris	AF 1274	2F 12	On time
10:40	Wien	AF 1032	2F 6	On time
10:45	Düsseldorf	UK 657	1 4	On time
10:50	Tokyo-Narita	JL 046	2E 2	On time
10:55	Mumbai-Bombay	9W 123	2C 10	On time
11:00	Wien	AF 874	2D 9	On time
11:05	Wien-München	AF 1390	2E 5	On time
11:10	London-Heathrow	AF 1180	2E 5	On time
11:15	Sofia-Inchev	OE 502	1 2	On time
11:20	Casablanca	AF 1496	2E 5	On time
11:25	Sofia-Inchev	AF 1088	2E 5	On time



CONTENT DELIVERED BY BLACKBOX

SCALABLE, ROBUST DIGITAL SIGNAGE SOLUTIONS

WHY BLACK BOX?

EXPERTISE

Black Box project engineers can assist with system assessment, design, deployment and training.

BREADTH

Black Box offers the most comprehensive suite of engineered KVM and AV solutions in the industry.

SUPPORT

Reflecting our commitment to complete satisfaction, our dedicated team of highly trained support technicians is available by phone free of charge, every day of the year.

WARRANTIES

Multi-Year warranties with multi-year extensions and replacement options are available.

FINANCIAL STRENGTH

Over \$1 billion in annual revenue; publicly traded (BBOX).

EXPERIENCE

Providing leading technology solutions since 1976, Black Box helps more than 175,000 customers in 150 countries build, manage, optimise and secure IT infrastructures.

CENTER OF EXCELLENCE

Black Box offers a Center of Excellence featuring professional services and support agreements that help optimize customers' systems and maximise uptime.

SERVICE LEVEL AGREEMENTS

Our Service Level Agreements give customers access to technical support, product training, dedicated application engineers and more.

