

LED Signage Box

SNOW-AAE

Built for performance, designed for versatility



Industry Trend

In today's working environment, demand for more captivating high-resolution content is growing faster than ever. Businesses require the means to transmit high-definition content across multiple connected LED displays. However, solutions can often come with time-consuming installation, programming, and management drawbacks.

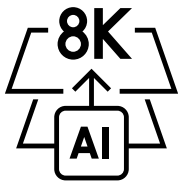
As improving efficiency becomes one of the biggest challenges, businesses are looking for simple, easy-to-use LED controllers which allow for a faster and more cost-efficient operation. Businesses across a wide range of industries are looking to maximize their efficiency in this manner.

Why Samsung SNOW-AAE

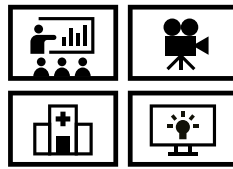
In response to enterprise demand, Samsung's SNOW-AAE LED Signage Box (S-Box) is able to deliver 8K content in just one device, as well as provide 16K content horizontally. In addition, the device's powerful AI processor provides the firepower to enhance every visual detail and upscale any image to 8K resolution, creating an optimized viewing experience.

Expanding on various functions, SNOW-AAE S-Box delivers multi-view, DICOM Simulation Mode, Director Mode, and 3D Device Support. Designed to be used in a variety of industries, the S-Box allows LED displays to be widely used in a variety of places, not only in retail or corporate lobbies, but also in hospitals, virtual studios, and even automotive design labs.

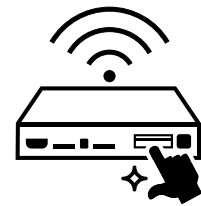
With a focus on delivering a more efficient operation, the S-Box also allows users to manage their display and content through providing real-time monitoring of devices with a user-friendly front LCD panel. Now with Wi-Fi support, the S-Box provides a wireless internet connection to other devices, enhancing operational convenience for businesses.



Brilliant picture quality at 8K



Versatility across industries



Operational convenience

Key features * Individual feature support may vary by cabinet model.



Instant AI Upscaling

Every second of content is instantly analyzed and optimized for perfect picture quality. The powerful AI processor of Samsung SNOW-AAE series delivers superior visuals in any size up to 8K resolution, enhancing contrast and removing noise.

Key features



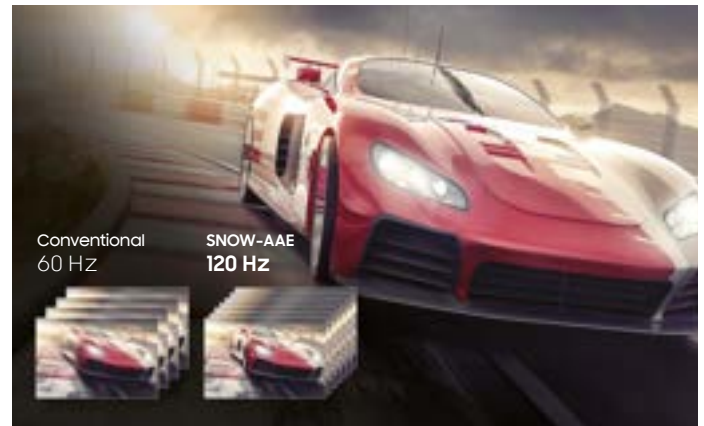
Incredible output resolution, up to 16K

8K content playback is enabled with just one device, as well as 16K content available horizontally with the new and improved output resolution of Samsung's SNOW-AAE series, helping businesses enjoy faster and more cost-efficient operations.



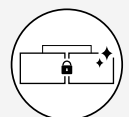
Bring every detail to life

By leveraging advanced picture refinement technology—HDR10/10+ and LED HDR—the SNOW-AAE series illuminates ideal peak brightness and contrast in every scene for precise, true-to-life imagery.



Smother motion, every time

SNOW-AAE S-box automatically converts standard 60Hz signals to 120Hz, removing motion judder in fast-paced action for smoother streams and a seamless viewing experience, every time.



Frame Sync

Seamless frame syncing

The SNOW-AAE series supports frame sync feature, ensuring screen synchronization for any studio environment. It guarantees frame rate synchronization without screen tearing when multiple S-boxes are connected.

Key features



Live mode, for all events

SNOW-AAE series provides a live mode option for when livestream events are required, such as indoor sports. When in live mode, the S-Box enables the LED displays to deliver content in real-time, minimizing signal delay.



Dynamic multi-source experience

The S-Box's Multi View function allows for simultaneous multi-source playback for up to four sources. No additional splitter is required. Multi View enables dynamic content display, all on one screen.



Intuitive front LCD display

Samsung's SNOW-AAE is built to deliver a more efficient operation. A user-friendly, built-in front panel allows users to make initial settings of the displays. It also provides real-time monitoring of connected devices to make device management much easier, for a smoother operation.



DICOM Simulation Mode



Director Mode



3D Support



WiFi Support

Enhanced functionality across industries

For a wide range of industries, SNOW-AAE S-box offers versatile features including DICOM Simulation Mode, Director Mode, 3D and Wi-Fi Support. From hospitals to virtual production studios, design labs and more, the S-Box enhances a variety of business environments, improving operational convenience.

* 3D Support feature available through a future software update.

Design



FRONT



BACK

Specifications

Model	SNOW-AAE	
Feature	Maximum Resolution	8K UHD (7680 X 4320) (2)
	Maximum Frame Rate (Hz)	120Hz (FRC) (2)
	OS Version	Tizen 6.0
	Image Quality Enhancing	AI Picture, LED HDR, HDR10/10+, Eco Image Enhancer
	AI Upscaling	Yes
	Adaptive Picture Mode	Yes
	DICOM Simulation Mode	Yes
	Director Mode	Yes
	Multi-view	Yes
	3D	Yes (TBU)
	Wi-Fi	Yes (Optional)
	Screen Mirroring	Yes
	Embedded Web Server	Yes
	Samsung Workspace	Yes
	Frame Lock	Yes
	Multi-link HDR (1)	N/A
	Eco Sensor (for Semi Indoor)	Yes (Optional)
	Diagnostics	Yes
	Input Signal	DP1.4a, HDMI 2.1, HDMI 2.0 x 3, USB x 2
	Output Signal	Optic x 8, DVI, HDBT(Wi-Fi), SPDIF(Audio, Stereo)
Control	Ethernet	
MagicINFO Solution	CMS/Diagnostics RM	
Etc	Front LCD Panel, Internal IR, Wi-Fi, NOC Yes, IPv6, AV Sync	
Power	Power Consumption (Max, W)	130W
	Power Consumption (Typical, W)	120W
Operation	Working Temperature (°C)	0°C~40°C (32°F to 104°F)
	Operation Humidity	10% - 80%
Certification	Safety	62368-1, 60950-1
	EMC	Class B
Mechanical Spec	Set Dimension (mm)	440 x 60.5 x 348.9
	Set Weight (kg)	4.2
I/G Card	Resolution	FHD×2 (3)
	Input Signal	Optic
	Output Signal	OCM (Vby1), External IR, Eco Sensor, 3D Sync Out
	Log Function	Yes
	Frame Rate (Hz)	120Hz (FRC) (2)
	Working Temperature (°C)	0°C~40°C (32°F to 104°F)
	Operation Humidity	10% - 80%
	I/G Dimension (mm)	75.6 x 23.3 x 210.6
I/G Weight (kg)	0.4	

(1) EMC Class B is supported except China, Hong Kong and Taiwan.
 (2) Maximum output spec is 4K@60Hz when connected to IF & IE series.
 (3) I/G covers FHD only when working with IF & IE series.

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