

Samsung LED Signage Box

SNOW-JAU/JMU



* This image is SNOW-JMU model.

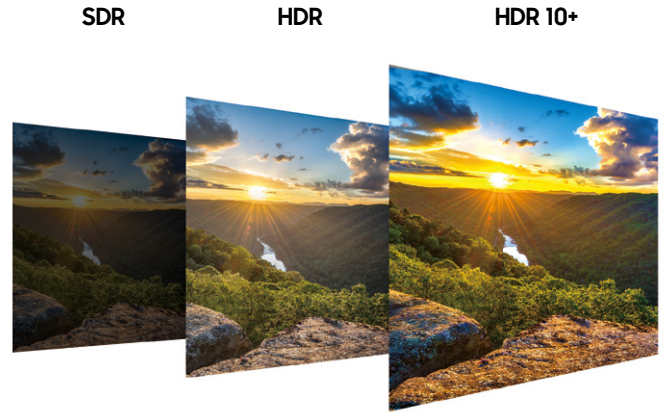
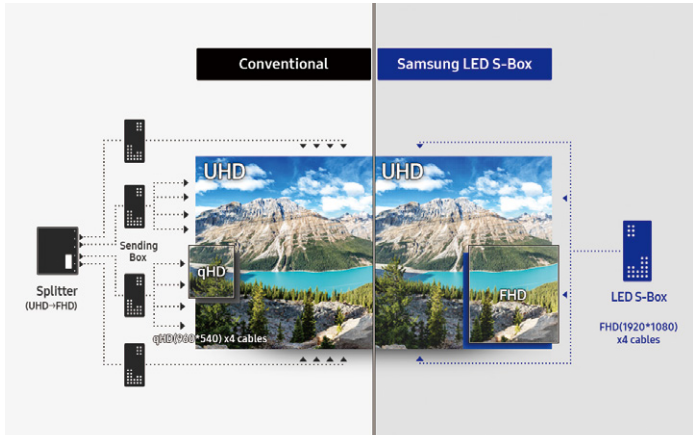
Brilliant, true-to-life UHD content across multiple connected LED displays without expensive equipment is what a business needs in today's working environment. The Samsung's LED Signage Box (S-Box) stands out in a crowd with LED HDR (High Dynamic Range) picture technology, elevating peak brightness and establishing frame-by-frame gradation. The S-Box also supports content up to 8K with HDR quality with Multi-link HDR technology. The S-Box not only has impressive visual quality but is more energy efficient than the previous model. The S-Box instinctively controls the LED brightness and the quality of the lighting by a dimming sensor. With a Live Mode option, when attending an event where livestreaming is occurring, the S-Box improves signal delays and latency. The S-Box also leverages MagicINFO to develop, schedule and manage content within a single platform equipping businesses with a comprehensive management tool for more convenient and impactful oversight of their entire LED display network.

Highlights

- Transmit UHD content across multiple LED displays from a single, all-in-one source
- Showcase stunning content through LED HDR (High Dynamic Range) technology
- Support HDR-level content up to 8K with Multi-link HDR technology (JMU only)
- Deliver vibrant illustrations while being energy efficient
- Deliver live content with lower latency through optional Live Mode
- Manage content and overall display performance within the MagicINFO platform

SAMSUNG

Key features

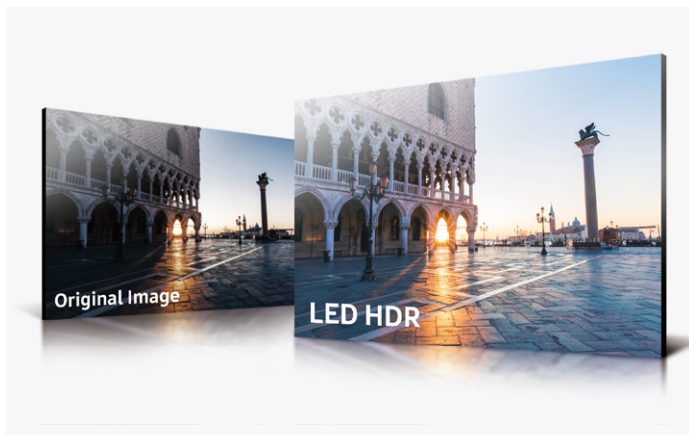


LED S-Box

LED Signage Box (S-Box) condenses the delivery of content to a single, centralized device. The S-Box transmits UHD content across multiple LED displays without requiring external boxes or splitters, helping businesses enjoy a faster and more cost-efficient operations.

HDR 10+ support

The S-Box supports HDR 10+ which dynamically tweaks displays' brightness performance and optimizes image quality scene-by-scene to match the content.



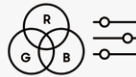
Dynamic Peaking

Enhance content to optimum peak brightness levels with improved contrast



Inverse Tone Mapping

Optimize gradation and brightness for users not to feel discomfort with eyes



Color Mapping

Ensure an accurate color expression through compatibility with various color gamut settings

LED HDR technology

The S-box leverages LED HDR technology, an advanced picture refinement technology, which produces clearly refined visuals.

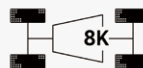


Image enhancement

Provide HDR quality up to 8K resolution through multiple S-boxes



Any content into HDR

Turn any content into HDR level quality without needing any special meta-data



Flexible configuration

Can be applied to various layouts and screen sizes up to four times 4K resolution

Multi-link HDR

Supporting content up to 8K with HDR quality and flexibility for any screen, Samsung SMART LED Signage with Multi-link HDR technology delivers a more immersive display in higher resolution than ever before.

* Multi-link HDR is only available on SNOW-JMU model.



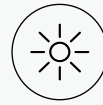
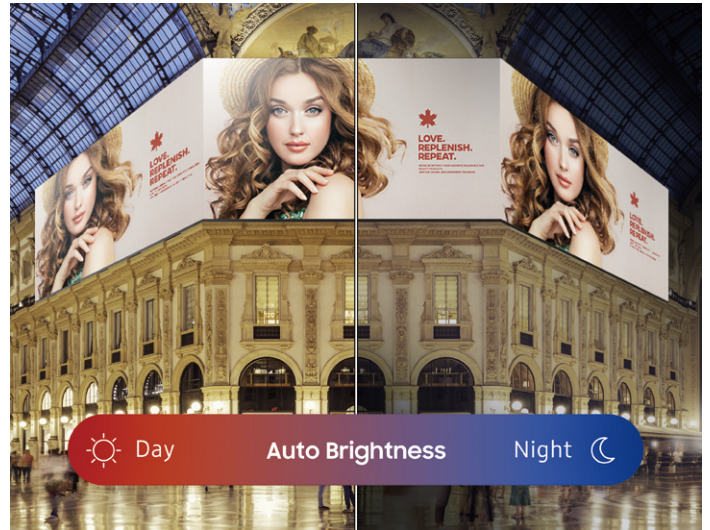
Low Power Consumption



Detail Enhancement

Eco-Image Enhancer

The S-Box enhances the detail of images by increasing contrast ratio even in low-light images. In this way, the S-Box realizes better picture quality with a lower amount of power, easing the burden of LED Signage users.



Dimming Sensor



Energy Saving

Auto brightness

The S-Box automatically adjusts brightness levels by detecting the quantity of external light via dimming sensor. This in turn enables LED signage to display content with optimal brightness, while reducing display operating expenses and power consumption.



S-Box

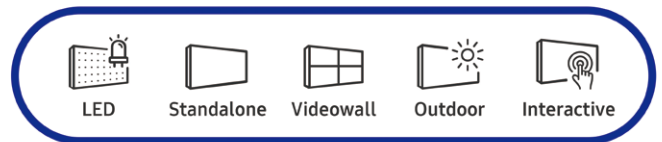
Live mode

The S-Box provides a Live mode option and it is suitable where 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 a signal delay.



Content Management

Monitoring & Diagnosis



LED

Standalone

Videowall

Outdoor

Interactive

MagicINFO solution

Compatibility with the MagicINFO solution enables the S-Box users to create, schedule and deploy content across an entire display network. Users likewise can monitor and adjust display settings and troubleshoot potential performance issues from any locations via remote access.

Design



SNOW-JAU



SNOW-JMU

FRONT



BACK

Specifications

Model		SNOW-JAU	SNOW-JMU
Feature	Resolution	UHD (3840 X 2160)	UHD (3840 X 2160)
	S/W Platform	Tizen 4.0	Tizen 4.0
	Log Function	Supported	Supported
	Image Quality Enhancing	LED HDR (Inverse Tone Mapping, Dynamic Peaking, Color Mapping), HDR10/10+, Eco Image Enhancer, Low Latency (for Live Mode), Dimming (for Semi Indoor)	Multi-Link HDR, LED HDR (Inverse Tone Mapping, Dynamic Peaking, Color Mapping), HDR10/10+, Eco Image Enhancer, Low Latency (for Live Mode), Dimming (for Semi Indoor)
	Diagnostics	Supported	Supported
	Ethernet	Supported	Supported
	Input Signal	DP1.2a, HDMI 2.0 x 2, USB	DP1.2a, HDMI 2.0 x 2, USB
	Output Signal	DVI, HDBT, SPDIF(Audio, 5.1ch)	DVI, HDBT, SPDIF(Audio, 5.1ch)
	MagiInfo Solution	Supported	Supported
		CMS/Diagnostics, RM ⁽²⁾	CMS/Diagnostics, RM ⁽²⁾
	Frame Rate (Hz)	50/60Hz	50/60Hz
Etc	External IR, NOC Supported, IPv6, AV Sync	External IR, NOC Supported, IPv6, AV Sync	
Power	Power Consumption (Max, W)	66W	66W
	Power Consumption (Typical, W)	51W	51W
Operation	Working Temperature (°C)	0°C~40°C (32°F to 104°F)	0°C~40°C (32°F to 104°F)
	Operation Humidity	10% ~ 80%	10% ~ 80%
Certification	Certification	EMC Class B	EMC Class B ⁽¹⁾
Mechanical Spec	Set without Stand (mm)	440 x 46 x 271.8	440 x 46 x 271.8
	Set Weight without Stand (kg)	2.8	2.8
I/G Card	Resolution	FHD	FHD
	Input Signal	HDBT	HDBT
	Output Signal	Vby1	Vby1
	Log Function	Supported	Supported
	Frame Rate (Hz)	50/60Hz	50/60Hz
	Working Temperature (°C)	0°C~40°C (32°F to 104°F)	0°C~40°C (32°F to 104°F)
	Operation Humidity	10% ~ 80%	10% ~ 80%
	Set Size (mm)	75.6 x 23.3 x 219.8	75.6 x 23.3 x 219.8
Set Weight (kg)	0.4	0.4	

(1) EMC Class A is applied to some countries.

(2) RM is supported when interworking with MagiINFO Server v8. It is scheduled to be released in Mar, '20.

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SMART LED Signage

For more information about Samsung LED Signage and S-Box, visit www.samsung.com/business or www.samsung.com/displaysolutions

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