

Project Description

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## **IF025\_FullHD\_Bundle** **[ Indoor Model IF025H ]**

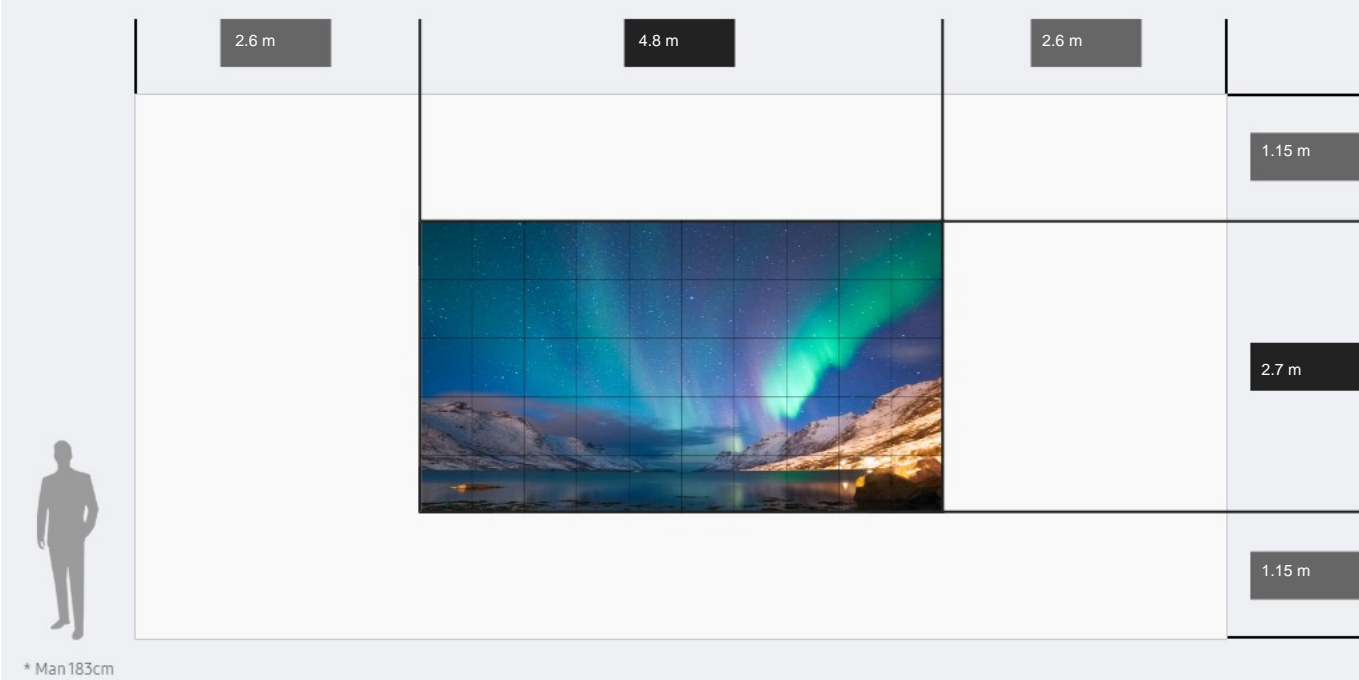
- **Name of Partner and customer :**  
M-Medientechnik GmbH



Samsung's IF Series displays are the comprehensive solution for an improved LED experience. By streamlining installation, presentation and management, businesses can create and share powerful content with minimal hassle.

LED Configuration Rendering

# LED Configuration Rendering [ Indoor Model IF025H ]



## Screen Specification

Model Name **IF025H**

Display Requirements	Screen Configuration (WxH)	10 x 5
	No. of Cabinets	50
	No. of Spare Cabinets	2
	Total No. of Cabinets	52
Display Wall Dimensions	Dimensions	4.8 X 2.7 m
	Display Area	12.96 m <sup>2</sup>
	Diagonal	216.82 inch
	Weight	290.0 kg
Optical Parameter	Resolution	1920 X 1080
	Minimum No. of S-Boxes	1
Power Requirements	Max	8000 Watts
	Typical	2700 Watts

\* Specifications are subject to change without notice.

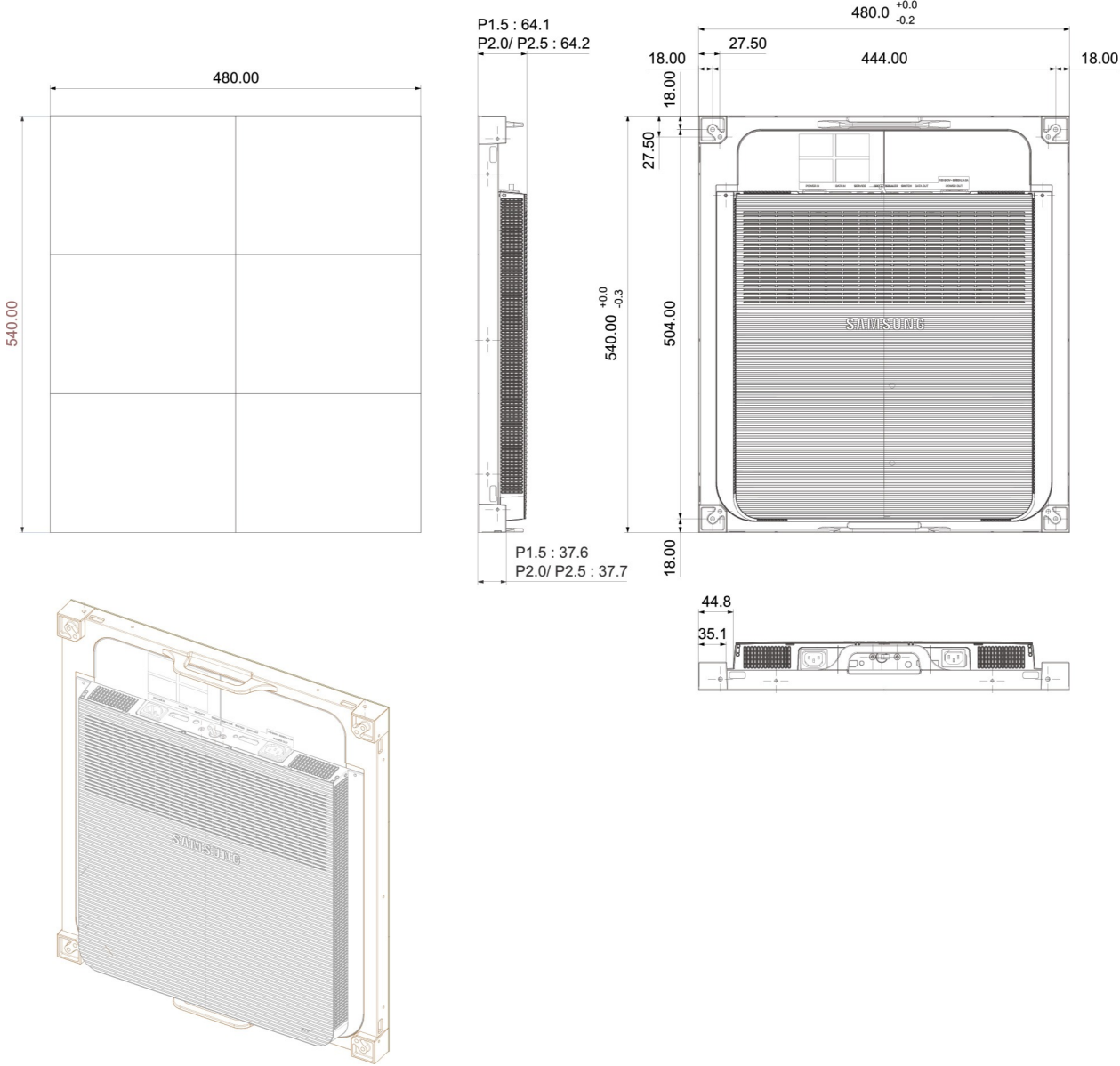
## Product Specification

Model Name **IF025H**

Physical Parameter	Pixel Pitch	2.5mm
	Diode Type	Surface Mount Device (SMD)
	Dimensions (mm, LxHxD, per cabinet)	480x540x65 mm (per cabinet)
	Dimensions (inch, inchxD, per cabinet)	28.5 inch x 2.56 inch
	Weight (per cabinet)	5.8kg (per cabinet)
Optical Parameter	Brightness (Peak/Max)	2,400 nit / 1,200 nit
	Contrast Ratio (Peak/Max)	10,000:1 / 5,000:1
	Viewing angle - Horizontal	160°
	Viewing angle - Vertical	160°
	Bit Depth	16bit per Color
	Color temperature - Adjustable	2,800 ~ 10,000K (use S/BOX)
Electrical Parameter	Video Rate	50/60 Hz
	Input Power Range	100~240 VAC, 50/60 Hz
	Power consumption - Max	620 (W/m <sup>2</sup> ) / 160 (W/Cabinet)
	Power consumption - Typ	206 (W/m <sup>2</sup> ) / 54 (W/Cabinet)
	Heat generation - Max(BTU/SF)	196 BTU/SF per hour
	Refresh rate	1,920Hz, 3,840 Hz Selectable
Operation Conditions	Working Temperature / Humidity	0°C~40°C / 10~80%RH
	Storage Temperature / Humidity	-20°C~45°C / 5~95%RH
	IP Rating	IP20
	LED Lifetime	100,000 hours
Certification	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1
Service	Service	Front and Rear
Package	Box Dimension (mm, LxHxD)	606 x 667 x 179
	Box Volume (m <sup>3</sup> )	0.073
	Package Weight (kg, per cabinet)	9.1kg (per cabinet)

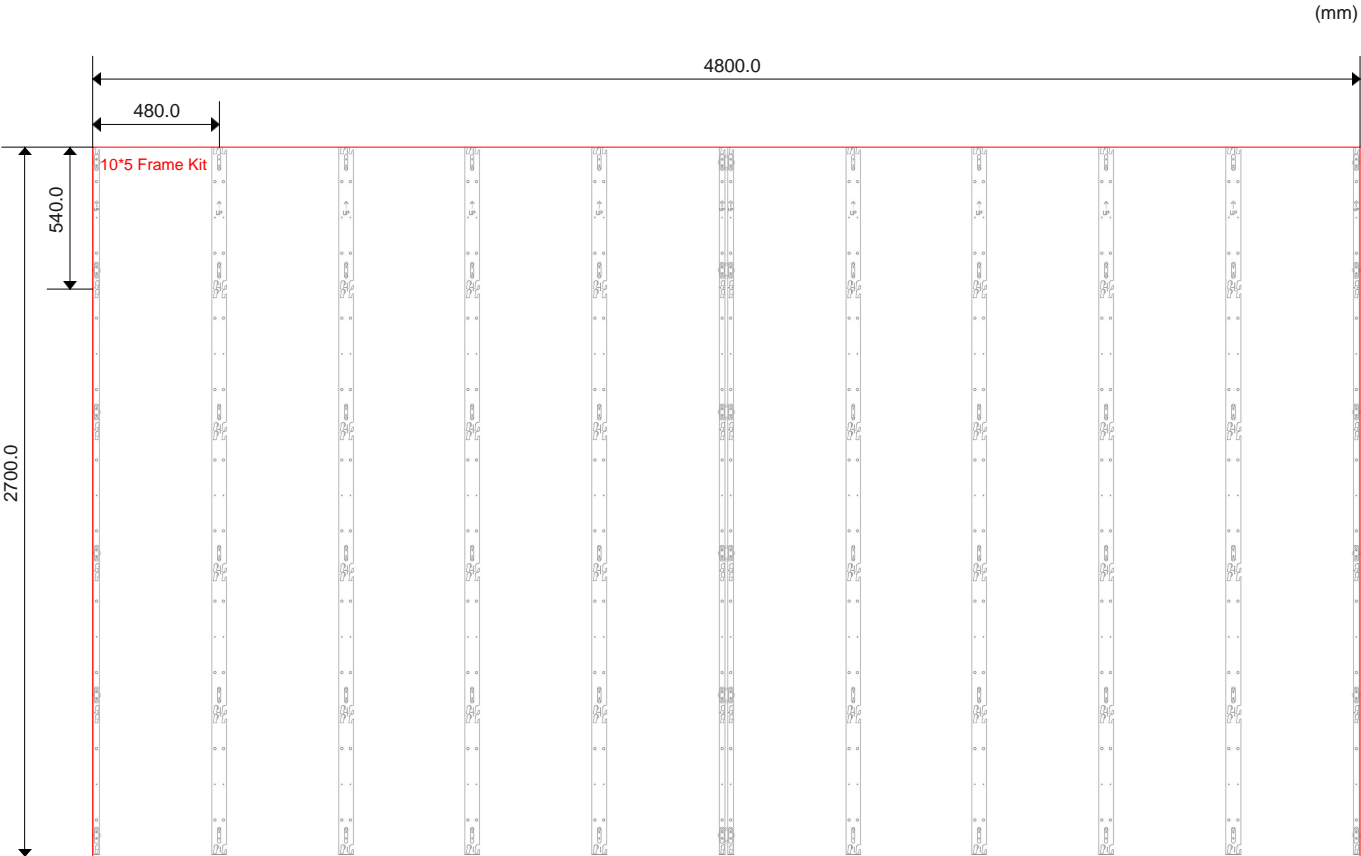
## Cabinet Drawing

LED DISPLAY IFH series 2017.03.29





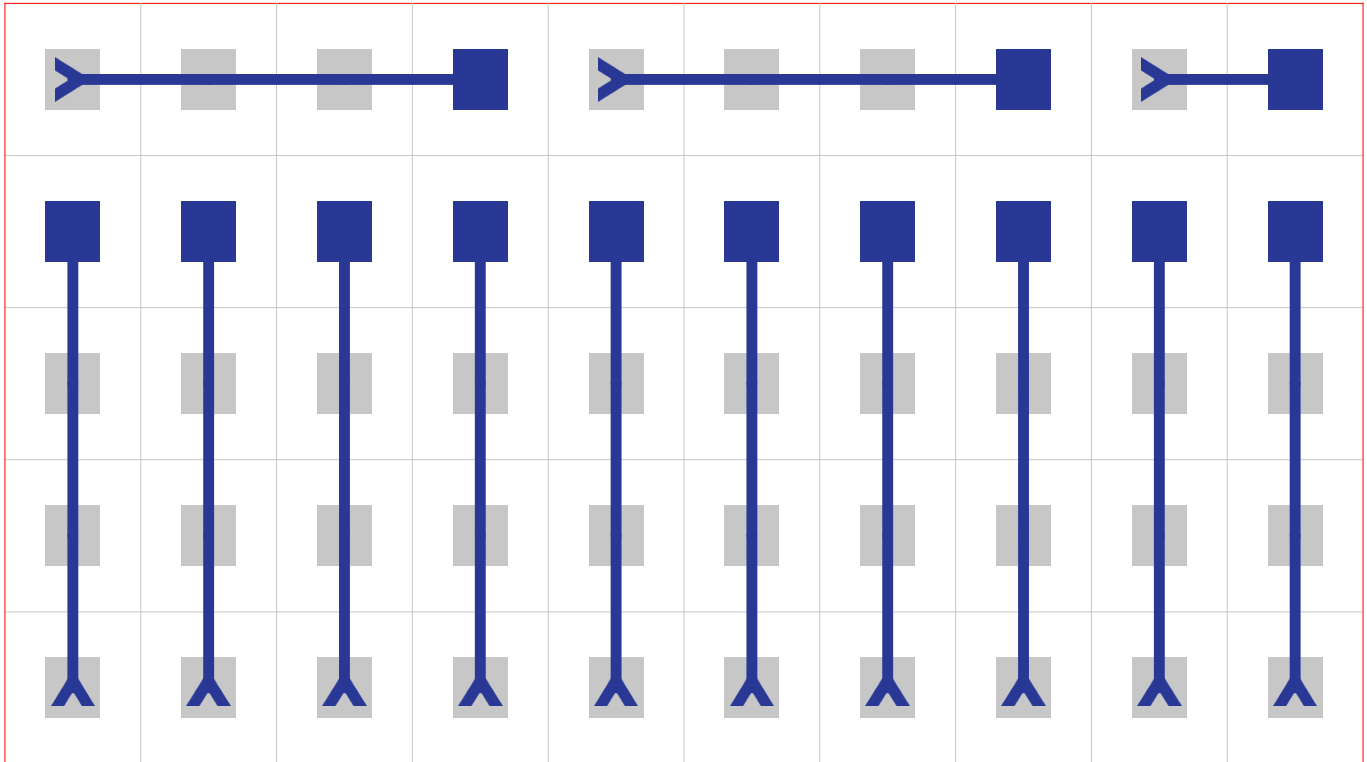
## Mechanical Drawing(Frame Kit)



\* This figures below is the cabinet length on mounted position.



## Power flow Diagram(110V)



\* The number of primary power cables doesn't pertain to the number of external circuits. The number of external circuits depends on power consumption. For more detail, please contact your sales partner from Samsung Electronics.

- Power Interconnect Cable
- Power Cable Input/Output
- Primary Cable Routing End Point
- Primary Power Cable Input

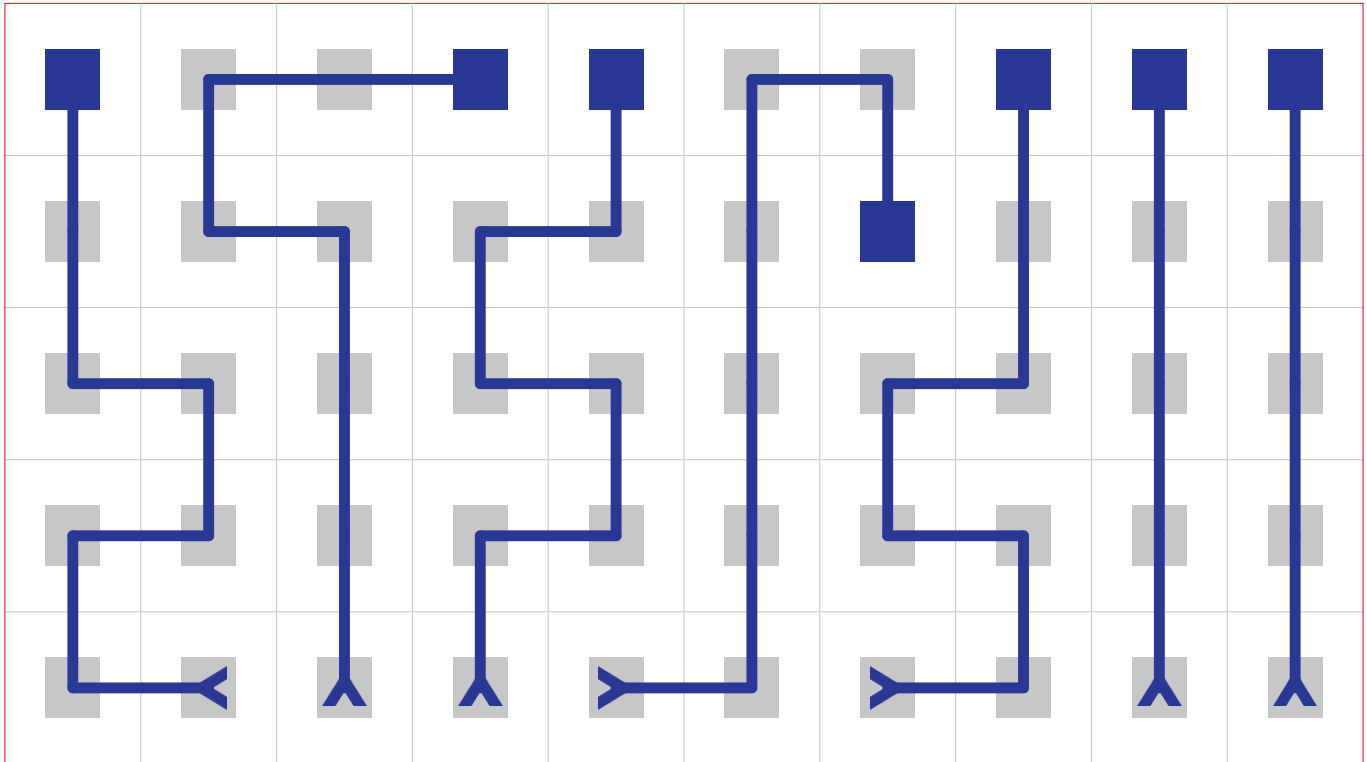
◆ Power system design

1. Power system should be designed according to Screen composition
2. Cabinets that consist same screen (FHD / UHD) must be powered by same power system.
3. Cabinets that connected to same I/G Board (whether or not it makes FHD/UHD screen) must be powered by same power system.

(※ If you have a large number of cabinets and need to separate power, configure the switch to power on simultaneously )

- ▶ S-BOX gives IDs to connected cabinets and it transfer data in order. If the former ID is off while the latter ID is on, error may occur in data transfer.

## Power flow Diagram(220V)



\* The number of primary power cables doesn't pertain to the number of external circuits. The number of external circuits depends on power consumption. For more detail, please contact your sales partner from Samsung Electronics.

- Power Interconnect Cable
- Power Cable Input/Output
- Primary Cable Routing End Point
- Primary Power Cable Input

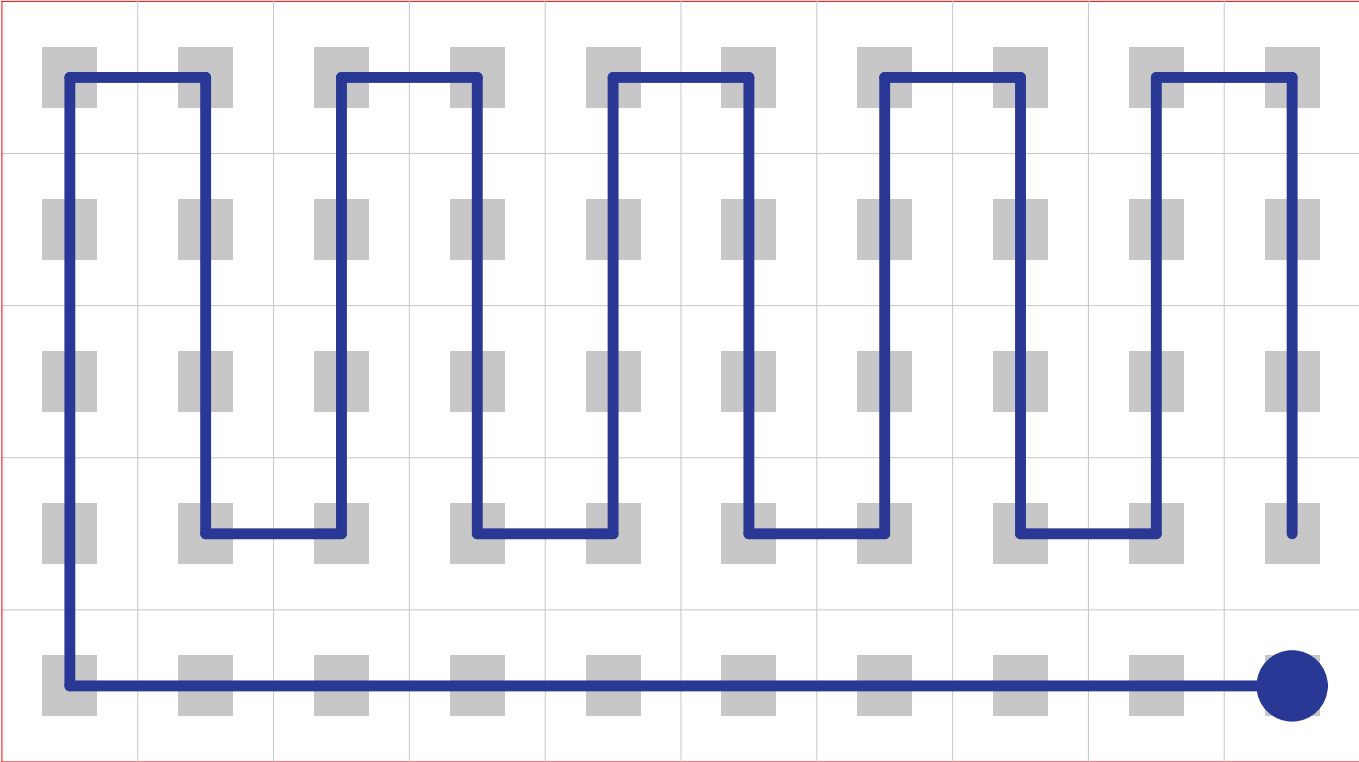
◆ Power system design

1. Power system should be designed according to Screen composition
2. Cabinets that consist same screen (FHD / UHD) must be powered by same power system.
3. Cabinets that connected to same I/G Board (whether or not it makes FHD/UHD screen) must be powered by same power system.

(※ If you have a large number of cabinets and need to separate power, configure the switch to power on simultaneously )

- ▶ S-BOX gives IDs to connected cabinets and it transfer data in order. If the former ID is off while the latter ID is on, error may occur in data transfer.

## Data Flow Diagram



- Primary Video Cable Input
- Video & Communication Input
- Video & Communication Cables

## Ventilation Guide

(CFM)

Temperature	FAN flow per a column	Total FAN flow
15°	0	No fan required
20°	0	No fan required
25°	0	No fan required
30°	0	No fan required

## Production Information



## Game-Changing Indoor Business Ideas, Brought to Life

As businesses seek new strategies to enliven the indoor customer experience, high-resolution LED content continues to emerge as a go-to upgrade. Samsung's IF Series displays are the comprehensive solution for an improved LED experience. By streamlining installation, presentation and management, businesses can create and share powerful content with minimal hassle.

### LED Signage IF Series

A Differentiated  
Visual Experience

**Direct Mount™ Kit**  
Clean, Hassle-Free  
Installation

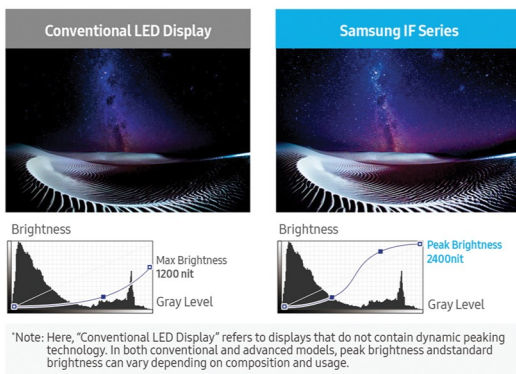


**LED Signage Box (S-Box)**  
Streamlined  
Content Management

## Production Information

### PIONEERING HDR-POWERED VISUAL INNOVATION

Samsung's IF Series bring market-leading video processing tools together with High Dynamic Range (HDR) picture refinement technology to maximize brightness and fine-tune overall picture presentation. This unique combination fosters a cutting-edge, next-generation viewing arena in any environment.



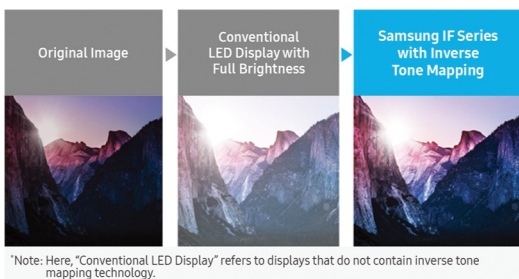
### Optimize Content Brilliance

To ensure optimal LED performance, the IF Series employs dynamic peaking technology that combats potential interference from natural or ambient lighting. Dynamic peaking produces featured content at peak brightness levels nearly twice as high as the standard LED signage maximum. As a result, the IF Series displays produce brilliant, consistent content that shines even against white or dark backgrounds.



### Showcase True-to-Life Imagery

As certain LED displays struggle to reflect wider RGB color gamuts, the ensuing oversaturation can give skin tones an unnatural reddish hue. Samsung's IF Series displays mitigate these variations and maintain consistent gradation through in-depth color management. As a result, featured subjects ranging from models and newscasters to virtual conference participants appear with lifelike realism.



### Elevate Contrast and Brightness

Samsung's IF Series displays ensure ongoing uniformity and create a comfortable long-term viewing environment by leveraging strict Scene Adaptive HDR technology. This includes specialized inverse tone mapping algorithms that analyze and optimize gradation and brightness levels within individual content scenes while simultaneously eliminating shine.

## Production Information

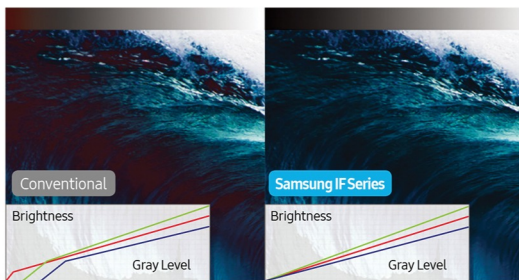
# EXCEPTIONAL, INDOOR-READY PICTURE QUALITY

With Samsung's IF Series displays, businesses can customize color presentation to fit their unique branding needs while also avoiding common LED display visual inconsistencies. The displays leverage real-time tuning to ensure color consistency and elevated clarity, and deter audience distraction.



## Customize Color Presentation

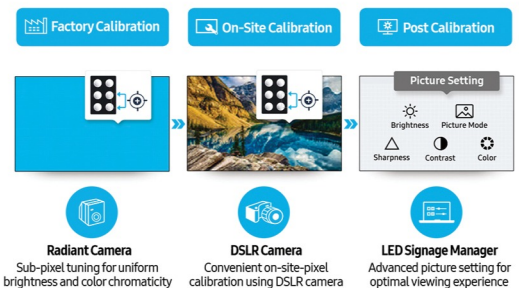
Detailed color management functionalities also allow IF Series users to select, store and deploy the RGB color gamut shades that best fit their unique branding and content needs. This convenience benefits museums, corporate facilities, news studios and other environments who must quickly deploy content at high clarity across multiple screens.



\*Note: Here, "Conventional LED Display" refers to displays that do not contain integrated low grayscale correction technology.

## Reinforce Accurate Low Grayscale Color Expression

A unique grayscale management algorithm empowers the IF Series displays to deliver consistent red, green and blue hues without distortion, even in low grayscale settings. This color stability ensures optimal and uninterrupted picture quality in museums, galleries and other low-brightness indoor environments.



## Fine-Tune Uniformity

Rigorous factory calibration fine-tunes all IF Series sub-pixels for uniform brightness and color chromaticity out of the box. For added consistency, the IF Series displays also leverage DSLR cameras - rather than radiant - for real-time sub-pixel calibration. When coupled with the integrated Samsung LED Signage Manager's advanced picture settings, this enhanced display treatment produces an excellent presentation.



\*Note: Here, "Conventional LED Display" refers to displays that do not apply external mask.

## "Mask" Visual Inconsistencies

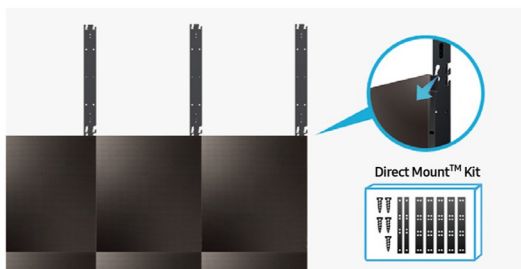
IF-D Series displays apply an external black mask sheet\* to offset the lead framework exposure and glittering effect that often affects higher pixel-pitch LED offerings. For added consistency, each sheet adheres to the display via glue, in place of screws that pose an additional glittering risk. By closing visual gaps, these masks ensure that the IF-D Series can uphold contrast against dynamic lighting exposure.

\*Note: The black mask module is only applicable for the IF040H-D and IF060H-D models.

## Production Information

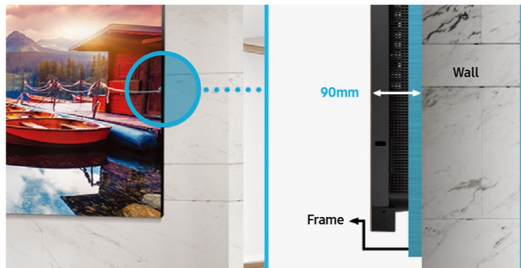
# SEAMLESS PREMIUM DISPLAY INSTALLATION

The IF Series' advanced design accommodates and ensures a clean, gap-free installation in any business environment. A compact size and compatible, hook-based Direct Mount™ Kit reduce setup time and allow users to quickly align and activate their displays.



## Enjoy a Clean, Hassle-Free Installation

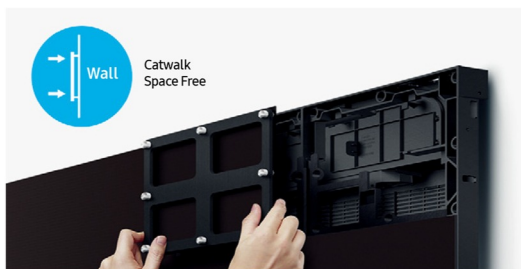
The IF Series' design produces a uniform installation across any setting or wall height by overcoming gaps between frames or cabinets. A specialized Direct Mount™ Kit offers users hooks to connect each individual screen. Users in turn can slide and mount each screen to the frame in a simple motion, rather than requiring more laborious nail- or screw-driven processes.



## Ensure a Compact and Compliant Activation

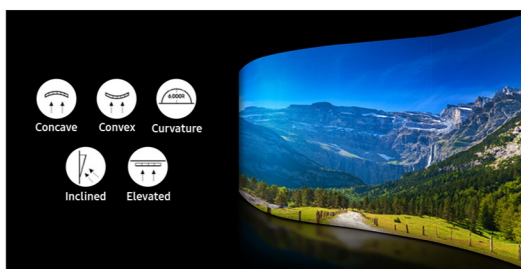
Regardless of the environment, the IF Series' sleek design ensures seamless adherence without requiring an extra wall or backdrop installation. Together, the frame and screen account for 90 mm\* of space, ensuring compliance with Americans with Disabilities Act (ADA) protrusion regulations.

\*Note: Depth of IF012J equals 99.4mm



## Ease Maintenance through Full Front and Rear Access

For added flexibility, the IF Series displays offer full-front access to critical signage components. This expanded visibility further drives clean installations free of catwalk space and ensures closer adherence to neighboring surfaces. Similarly, the IF Series displays foster more convenient, quick-turn maintenance by making rear display components fully accessible without removal or disassembly.



## Expand Display Composition Possibilities

Businesses seeking an extra competitive edge can strategically position Samsung's IF Series displays in their most advantageous locations. The IF Series' advanced design includes both convex\* and concave curved configurations (up to 6,000R in curvature) guaranteed to catch audience eyes. Additionally, businesses can align their IF Series displays on an incline or adhere them to a ceiling\*\*, opening new engagement possibilities regardless of environmental constraints.

\*Note: Convex designs are only available for the IF025H-D, IF040H-D and IF060H-D models.

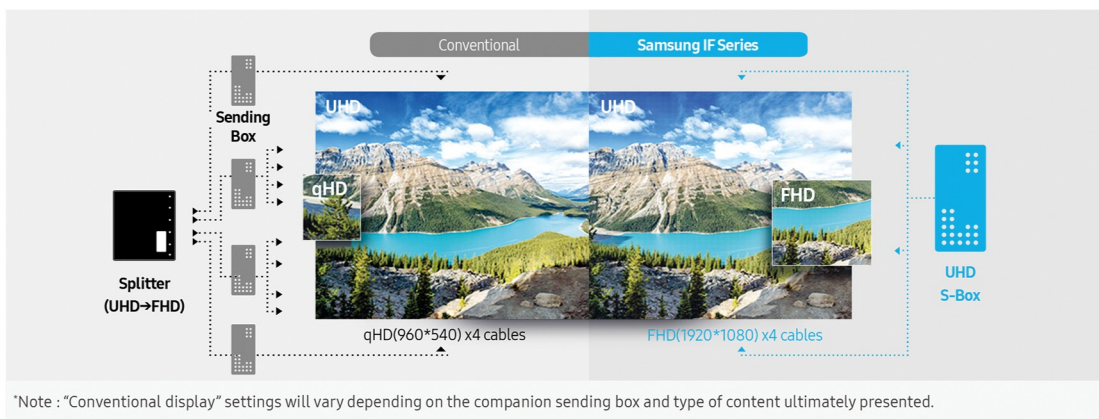
\*\*Note: Inclined or ceiling installations are only possible with the IF040H-D and IF060H-D models.



## Production Information

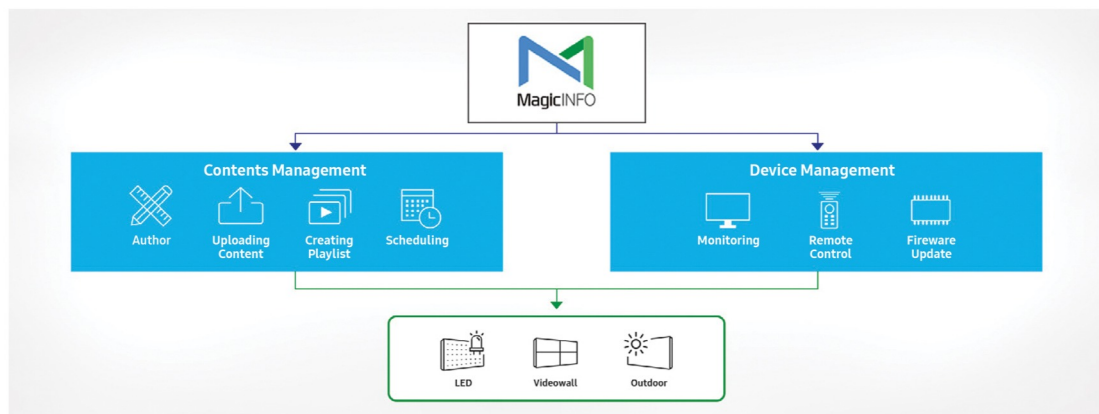
### NEXT-LEVEL OPERATIONAL EFFICIENCY

Backed by Samsung’s powerful LED Signage Box (S-Box), the IF Series displays allow users to streamline the presentation and management of brilliant, true-to-life content. The S-Box’s extensive visibility empowers faster review and troubleshooting of potential challenges without disrupting performance.



### Streamline UHD Content Delivery

Samsung’s compatible S-Box condenses the delivery of compelling content to a single, centralized device. The S-Box transmits UHD content across multiple IF Series displays without requiring external boxes or splitters, helping businesses enjoy faster and more cost-efficient operations.



### Centralize Content and Device Management

By aligning Samsung’s Magicinfo content management platform with the LED S-Box, IF Series users can remotely program and modify their entire display network’s settings within a single source. Magicinfo users can create, schedule and deploy content across multiple displays directly from their personal devices. The platform’s extensive visibility also empowers users to monitor and adjust display settings and troubleshoot potential performance issues from any location via remote access. This includes the ability to implement firmware updates to maximize performance and LED HDR picture settings for the best possible visibility.

## Production Information

	MODEL NAME	IF015H-E	IF025H-E	IF015H	IF020H	IF025H
Physical Parameter	Pixel Pitch	1.5 mm	2.5 mm	1.5 mm	2.0 mm	2.5 mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Pixel Density	444,444 m <sup>2</sup> / 41,290 ft <sup>2</sup>	160,000 m <sup>2</sup> / 14,864 ft <sup>2</sup>	444,444 m <sup>2</sup> / 41,290 ft <sup>2</sup>	250,000 m <sup>2</sup> / 23,225 ft <sup>2</sup>	160,000 m <sup>2</sup> / 14,864 ft <sup>2</sup>
	Configuration (LxH, per cabinet)	320 x 360 pixels	192 x 216 pixels	320 x 360 pixels	240 x 270 pixels	192 x 216 pixels
	Diode Type	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)
	Dimensions (mm, LxHxD, per cabinet)	480 x 540 x 65mm	480 x 540 x 65mm	480 x 540 x 65mm	480 x 540 x 65mm	480 x 540 x 65mm
	Dimensions (inch, inchxD, per cabinet)	28.5 inch x 2.56 inch	28.5 inch x 2.56 inch	28.5 inch x 2.56 inch	28.5 inch x 2.56 inch	28.5 inch x 2.56 inch
Optical Parameter	Weight (per cabinet)	5.8kg	5.8kg	5.8kg	5.8kg	5.8kg
	Brightness (Peak/Max) <sup>(1)</sup>	1,200 nit / 600 nit	2,000 nit / 1,000 nit	1,600 nit / 800 nit	2,400 nit / 1,200 nit	2,400 nit / 1,200 nit
	Contrast Ratio (Peak/Max) <sup>(1)</sup>	10,000:1 / 5,000:1	10,000:1 / 5,000:1	10,000:1 / 5,000:1	10,000:1 / 5,000:1	10,000:1 / 5,000:1
	Viewing angle - Horizontal	160°	150°	160°	160° (XD 140° <sup>(2)</sup> )	160°
	Viewing angle - Vertical	160°	150°	160°	160° (XD 140° <sup>(2)</sup> )	160°
	Bit Depth	16bit per Color	16bit per Color	16bit per Color	16bit per Color	16bit per Color
	Color temperature - Default	6,500K	6,500K	6,500K	6,500K	6,500K
Electrical Parameter	Color temperature - Adjustable	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)
	Video Rate	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	Input Power Range	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
	Power consumption - Max	770 (W/m <sup>2</sup> ) / 200 (W/Cabinet)	620 (W/m <sup>2</sup> ) / 160 (W/Cabinet)	770 (W/m <sup>2</sup> ) / 200 (W/Cabinet)	695 (W/m <sup>2</sup> ) / 180 (W/Cabinet)	620 (W/m <sup>2</sup> ) / 160 (W/Cabinet)
	Power consumption - Typ	258 (W/m <sup>2</sup> ) / 68 (W/Cabinet)	206 (W/m <sup>2</sup> ) / 54 (W/Cabinet)	258 (W/m <sup>2</sup> ) / 68 (W/Cabinet)	232 (W/m <sup>2</sup> ) / 60 (W/Cabinet)	206 (W/m <sup>2</sup> ) / 54 (W/Cabinet)
	Heat generation - Max (BTU/SF)	245 BTU/SF per hour	196 BTU/SF per hour	245 BTU/SF per hour	220 BTU/SF per hour	196 BTU/SF per hour
	Refresh rate	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable
Operation Conditions	Working Temperature/Humidity	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH
	Storage Temperature/Humidity	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH
	IP Rating	IP20	IP20	IP20	IP20	IP20
	LED Lifetime	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Certification	Certification	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1
	Service	Front Service and/or Rear Service	Front Service and/or Rear Service	Front Service and/or Rear Service	Front Service and/or Rear Service	Front Service and/or Rear Service
Service Package	Box Dimension (mm, LxHxD)	606 x 667 x 179	606 x 667 x 179	606 x 667 x 179	606 x 667 x 179	606 x 667 x 179
	Box Volume (m <sup>3</sup> )	0.073	0.073	0.073	0.073	0.073
	Package Weight (kg, per cabinet)	9.1kg	9.1kg	9.1kg	9.1kg	9.1kg
Curve Installation	Concave	6000R	6000R	6000R	6000R	6000R
	Convex	N/A	N/A	N/A	N/A	N/A

	MODEL NAME	IF012J	IF025H-D	IF040H-D	IF060H-D	IF060H-DL
Physical Parameter	Pixel Pitch	1.26 mm	2.5 mm	4.0 mm	6.0 mm	6.0 mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Pixel Density	629,882 m <sup>2</sup> / 58,518 ft <sup>2</sup>	160,000 m <sup>2</sup> / 14,864 ft <sup>2</sup>	62,500 m <sup>2</sup> / 5,807 ft <sup>2</sup>	27,778 m <sup>2</sup> / 2,581 ft <sup>2</sup>	27,778 m <sup>2</sup> / 2,581 ft <sup>2</sup>
	Configuration (LxH, per cabinet)	640 x 360 pixels	192 x 288 pixels	120 x 180 pixels	80 x 120 pixels	80 x 120 pixels
	Diode Type	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)
	Dimensions (mm, LxHxD, per cabinet)	806.4 x 453.6 x 76.7mm	480 x 720 x 65mm	480 x 720 x 65mm	480 x 720 x 65mm	480 x 720 x 65mm
	Dimensions (inch, inchxD, per cabinet)	36.4 inch x 2.95 inch	34 inch x 2.56 inch	34 inch x 2.56 inch	34 inch x 2.56 inch	34 inch x 2.56 inch
Optical Parameter	Weight (per cabinet)	11.8kg	7.4kg	7.4kg	7.4kg	7.4kg
	Brightness (Peak/Max) (1)	1,200 nit / 600 nit	2,400 nit / 1,200 nit	1,700 nit / 1,200 nit	1,800 nit / 1,200 nit	3,400 nit / 2,000 nit
	Contrast Ratio (Peak/Max) (1)	8,000:1 / 4,000:1	10,000:1 / 5,000:1	7,000:1 / 5,000:1	7,500:1 / 5,000:1	8,500:1 / 5,000:1
	Viewing angle - Horizontal	160°	160°	160°	160°	160°
	Viewing angle - Vertical	160°	160°	160°	160°	160°
	Bit Depth	16bit per Color	16bit per Color	16bit per Color	16bit per Color	16bit per Color
	Color temperature - Default	6,500K	6,500K	6,500K	6,500K	6,500K
Electrical Parameter	Color temperature - Adjustable	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)	2,800 ~ 10,000K (use S/BOX)
	Video Rate	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	Input Power Range	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
	Power consumption - Max	711 (W/m <sup>2</sup> ) / 260 (W/Cabinet)	580 (W/m <sup>2</sup> ) / 200 (W/Cabinet)	580 (W/m <sup>2</sup> ) / 200 (W/Cabinet)	580 (W/m <sup>2</sup> ) / 200 (W/Cabinet)	580 (W/m <sup>2</sup> ) / 200 (W/Cabinet)
	Power consumption - Typ	237 (W/m <sup>2</sup> ) / 87 (W/Cabinet)	193 (W/m <sup>2</sup> ) / 67 (W/Cabinet)	193 (W/m <sup>2</sup> ) / 67 (W/Cabinet)	193 (W/m <sup>2</sup> ) / 67 (W/Cabinet)	193 (W/m <sup>2</sup> ) / 67 (W/Cabinet) (TBD)
	Heat generation - Max (BTU/SF)	225 BTU/SF per hour	184 BTU/SF per hour	184 BTU/SF per hour	184 BTU/SF per hour	184 BTU/SF per hour
	Refresh rate	3,840 Hz	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable	1,920Hz, 3,840 Hz Selectable
Operation Conditions	Working Temperature/Humidity	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH	0°C~40°C / 10~80%RH
	Storage Temperature/Humidity	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH	-20°C~45°C / 5~95%RH
	IP Rating	IP20	IP20	IP20	IP20	IP20
	LED Lifetime	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Certification	Certification	EMC Class B, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1	EMC Class A, Safety 60950-1
	Service	Front Service / Parts rear service <sup>(3)</sup>	Front Service and/or Rear Service	Front Service and/or Rear Service	Front Service and/or Rear Service	Front Service and/or Rear Service
Service Package	Box Dimension (mm, LxHxD)	943 x 606 x 167	606 x 847 x 179	606 x 847 x 179	606 x 847 x 179	606 x 847 x 179
	Box Volume (m <sup>3</sup> )	0.095	0.092	0.092	0.092	0.092
	Package Weight (kg, per cabinet)	16.5kg	10.4kg	10.4kg	10.4kg	10.4kg
Curve Installation	Concave	N/A	6000R	6000R	6000R	6000R
	Convex	N/A	N/A	6000R	6000R	6000R

<sup>(1)</sup> Peak Value according to IDMS (Information Display Measurement Standard)

<sup>(2)</sup> According to the XD LED characteristics

<sup>(3)</sup> T-Con / Power supply can be accessed from the rear

## Production Information

### S-BOX

Model		SBB-SNOWJ3U
SoC		Cortex-A12 1GHz Quad Core
Memory		2.5GB 96bit DDR3-933 (1866MHz)
Storage		8GB (3.75GB Occupied by O/S, 4.25GB Available)
Graphics		2D & 3D Graphics Engine - Supports OpenGL ES
OS		Tizen 2.4 OS
Input / Output		DP In, HDMI1, HDMI2
		HDBT Out x 4, SPDIF(Audio) Out x1
		RJ-45(10/100Mbps), RS232(Stereo) In
		USB 2.0 Port x 2
Power	Power Supply	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Working: 60 Watt/h (BTU: 204.73 BTU/h) Standby: 0.5 Watt/h (BTU: 1.71 BTU/h)
Operation	Operating Temperature	0°C to 40°C
	Humidity	10 to 80%
Mechanical	Dimension (mm)	S-Box : 422.4x38.3x221.1 / IG : 75.6x23.3x268.8
	Weight (kg)	S-Box : 2.65 / IG : 0.5
Certification	Safety	UL/c-UL, CB
	EMC	FCC Class B, CE, VCCI, KCC, BSMI, C-Tick, CCC, NATA, GOST
Etc		Dimming (Brightness Sensor)

### DIRECT MOUNT™ KIT

	MODEL NAME	VG-LFJ32	VG-LFJ33	VG-LFH15	VG-LFH20
Mechanical Spec.	SET Size after installation (WxHxD, mm)	2405.2 x 906.2 x 49.8	2405.2 x 1359.8 x 49.8	2865.0 x 1611.8 x 49.8	3824.6 x 2151.5 x 49.8
	Set weight [kg] (except Accessories)	3.8	5.6	10.8	18.4
	Safe working load (kgf)	85	130	10.8	18.4
Standard Cabinet	SAMSUNG LED Signage models	LH012IFJ	LH012IFJ	LH015IFH, LH020IFH, LH025IFH	LH015IFH, LH020IFH, LH025IFH
	Counts of cabinets	6 (3X2)	9 (3X3)	18	32
Package	Packaging Size(LxHxD, mm)	1019 x 419 x 233	1922 x 419 x 164	1777 x 787 x 114	2313 x 881 x 114
	Gross weight [kg±5%]	10.5	13.9	21.9	34.6
	20ft DC loading size(Standard)	16 units/Individual unit, 192 units/Stuffing	24 units/Individual unit, 144 units/Stuffing	15 units/Individual unit, 105 units/Stuffing	17 units/Individual unit, 68 units/Stuffing
	40ft DC loading size(Standard)	16 units/Individual unit, 448 units/Stuffing	24 units/Individual unit, 312 units/Stuffing	15 units/Individual unit, 210 units/Stuffing	17 units/Individual unit, 136 units/Stuffing
	MODEL NAME	VG-LFH25	VG-LFH81FWA	VG-LFH82FWA	VG-LFH83FWA
Mechanical Spec.	SET Size after installation (WxHxD, mm)	4784.2 x 2691.2 x 49.8	3839.9 x 719.9 x 89.5	3839.9 x 1439.9 x 89.5	3839.9 x 2159.9 x 89.5
	Set weight [kg] (except Accessories)	28.2	6.6	12.7	19
	Safe working load (kgf)	28.2	32	32	32
Standard Cabinet	SAMSUNG LED Signage models	LH015IFH, LH020IFH, LH025IFH	LH025IFHSDS*, LH040IFH*, LH060IFH*	LH025IFHSDS*, LH040IFH*, LH060IFH*	LH025IFHSDS*, LH040IFH*, LH060IFH*
	Counts of cabinets	50	8	16	24
Package	Packaging Size(LxHxD, mm)	2853 x 1157 x 114	935 x 114 x 874	1597 x 114 x 935 (mm)	2317 x 114 x 935 (mm)
	Gross weight [kg±5%]	50.2	12.7	23.2	31.7
	20ft DC loading size(Standard)	17 units/Individual unit, 34 units/Stuffing	17 units/Individual unit, 204 units/Stuffing	15 units/Individual unit, 119 units/Stuffing	15 units/Individual unit, 68 units/Stuffing
	40ft DC loading size(Standard)	17 units/Individual unit, 68 units/Stuffing	17 units/Individual unit, 408 units/Stuffing	15 units/Individual unit, 238 units/Stuffing	15 units/Individual unit, 136 units/Stuffing

Production Information

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**IF025H**

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