

Project Description

LED [Indoor Model IF025R + IF025R-F]

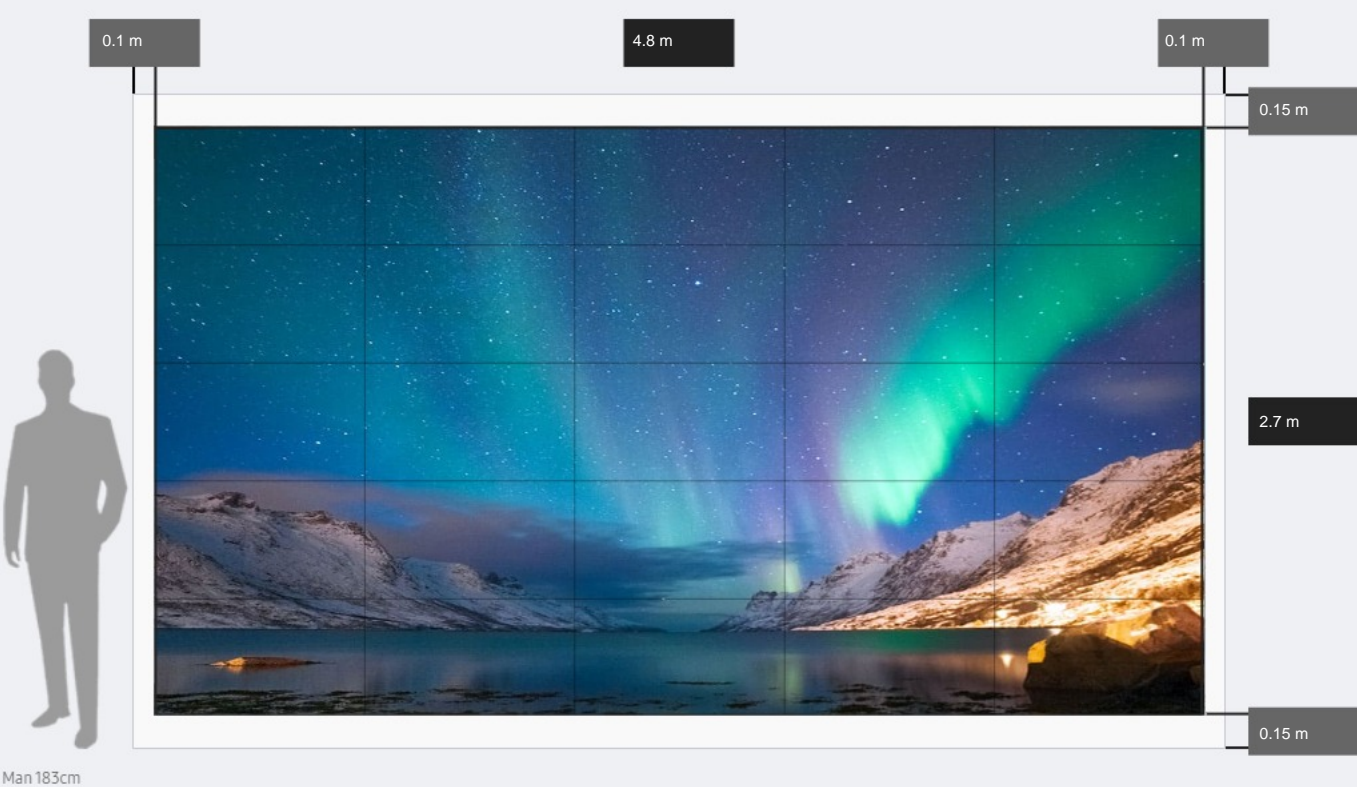
- **Project ID :**
LED123
- **Name of Partner and customer :**
David
- **Project Description :**
use



Indoor LED signage has become an increasingly popular tool for businesses of all sizes to deliver crisp and compelling messages to customers. Samsung's IFR series combines best-in-class LED picture quality, flexible design options and efficient operation in any environment. Advanced picture refinement technology ensures every image provides an immersive viewing experience, with comprehensive calibration tools to ensure all LED displays maintain uniform picture quality. Brilliant, true-to-life image capabilities are supported by multiple installation options for hassle-free and innovative configurations, as well as efficient operation at all times.

LED Configuration Rendering

LED Configuration Rendering [Indoor Model IF025R + IF025R-F]



Screen Specification

Model Name **IF025R + IF025R-F**

IFR Display Requirements	Screen Configuration (WxH)	5 x 5
	No. of Cabinets	25
	No. of Spare Cabinets	1
	Total No. of Cabinets	26
IFR-F Display Requirements	Screen Configuration (WxH) (Left / Right)	0 x 5 / 0 x 5
	No. of Cabinets	0
	No. of Spare Cabinets	0
	Total No. of Cabinets	0
Display Wall Dimensions	Dimensions	4.8 X 2.7 m
	Display Area	12.96 m ²
	Diagonal	216.82 inch
	Weight	310.0 kg
Optical Parameter	Resolution	1920 X 1080
	Minimum No. of S-Boxes	1
Power Requirements	Max	6500 Watts
	Typical	2175 Watts

* Specifications are subject to change without notice.

IFR Product Specification

Model Name **IF025R**

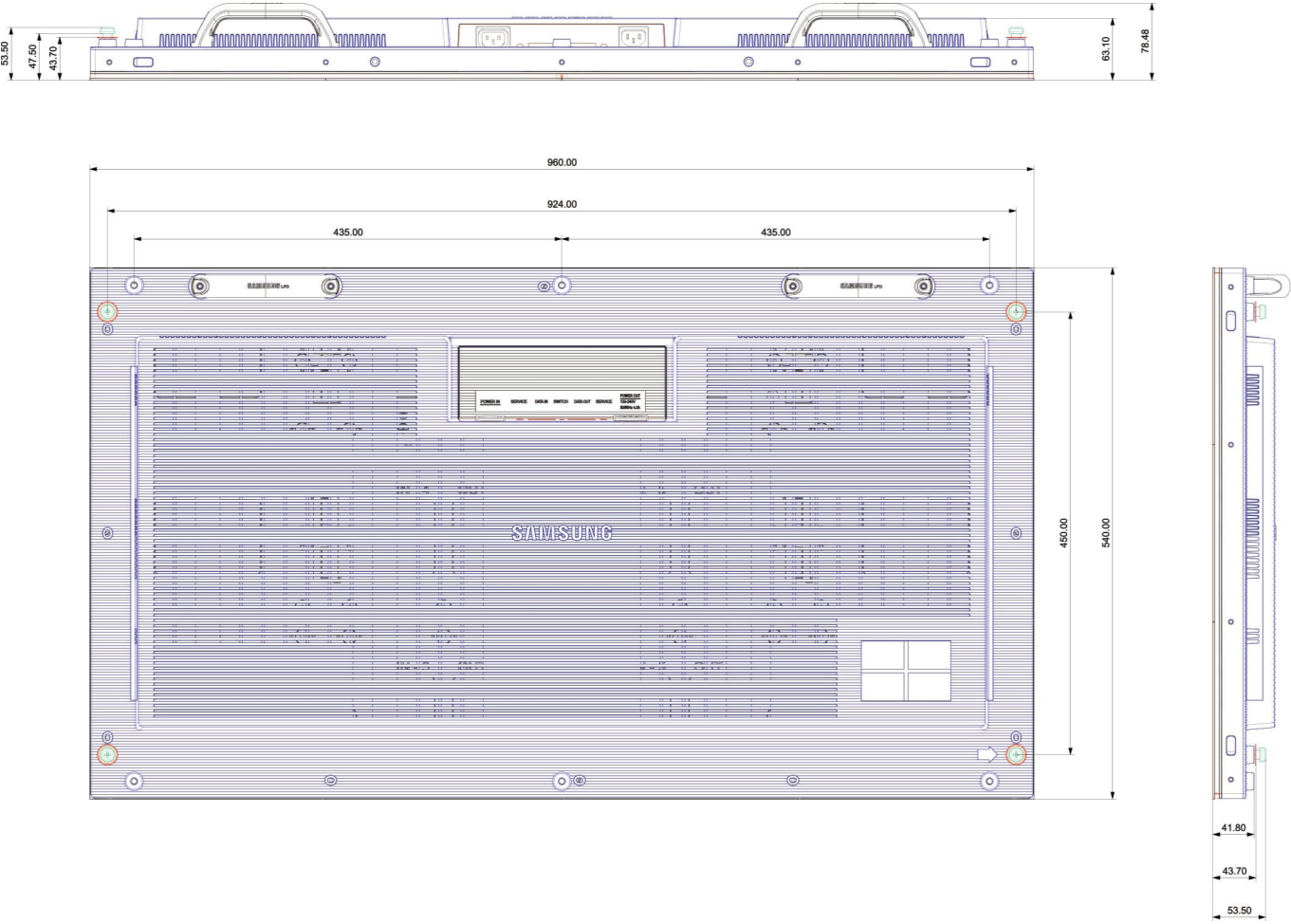
Physical Parameter	Pixel Pitch	2.5mm
	Diode Type	Surface Mount Device (SMD)
	Dimensions (mm, LxHxD, per cabinet)	960x540x79.5 mm
	Dimensions (inch, inchxD, per cabinet)	43.3 x 3.13 inch
	Weight (per cabinet/per m ²)	12.4Kg / 23.9Kg
Optical Parameter	Brightness (Peak/Max)	2,400 nit / 1,200 nit
	Contrast Ratio (Peak/Max)	10,000:1
	Viewing angle - Horizontal	160°
	Viewing angle - Vertical	160°
	Bit Depth	16 bit (Internal processing 18bit)
	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	502 (W/m ²) / 260 (W/Cabinet)
	Power consumption - Typ	168 (W/m ²) / 87 (W/Cabinet)
	Heat generation - Max(BTU/SF)	159.1 BTU/SF per hour
	Refresh rate	6,480i
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, FCC, UL, CB, KCC, RoHS
Service	Service	Front
Package	Box Dimension (mm, LxHxD)	1,119 x 699 x 206
	Box Volume (m ³)	0.161
	Package Weight (kg, per cabinet)	18.1 kg

IFR-F Product Specification

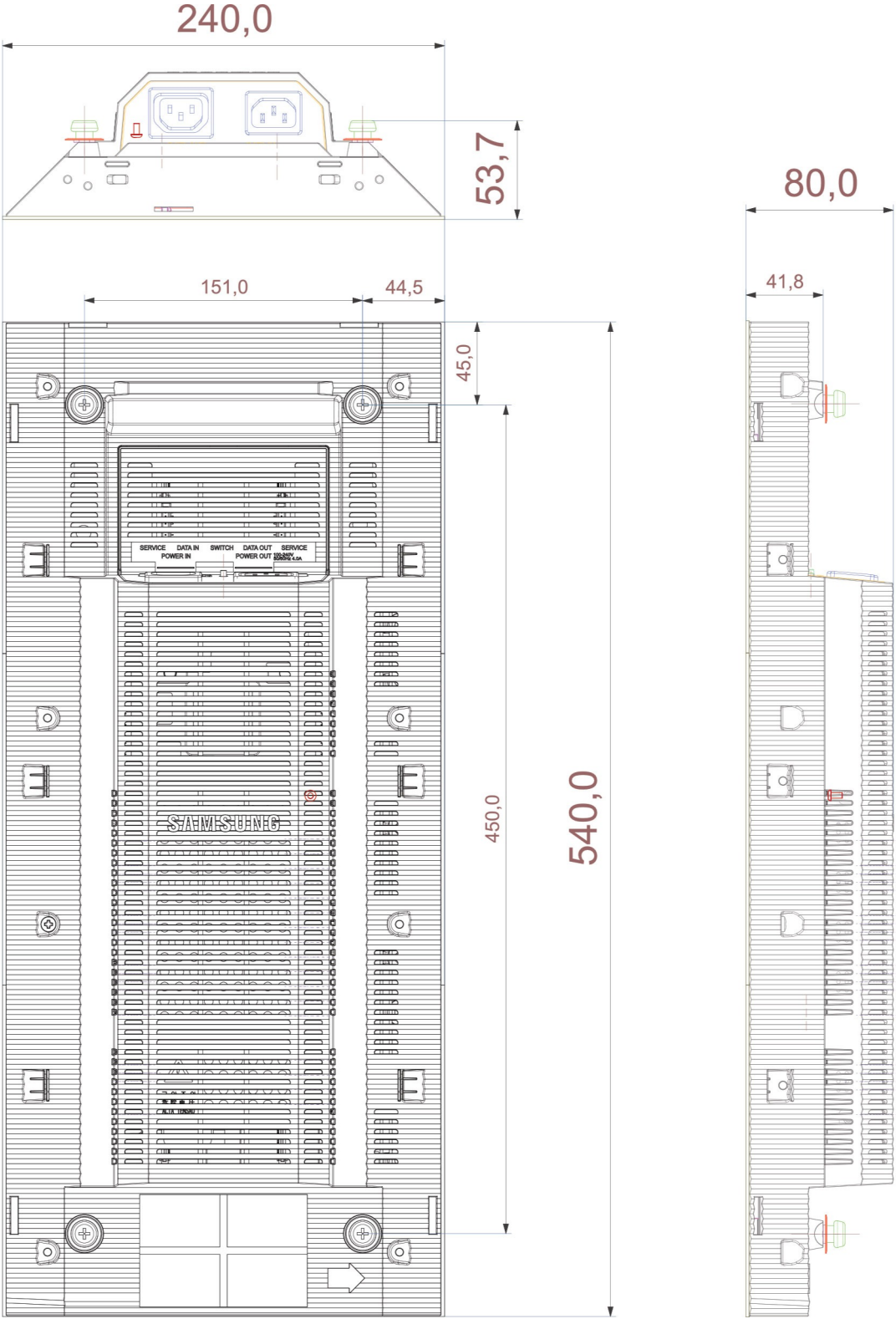
Model Name **IF025R-F**

Physical Parameter	Pixel Pitch	2.5mm
	Diode Type	Surface Mount Device (SMD)
	Dimensions (mm, LxHxD, per cabinet)	240x540x81 mm
	Dimensions (inch, inchxD, per cabinet)	23.3 x 3.18 inch
	Weight (per cabinet/per m ²)	3.2Kg / 24.7Kg
Optical Parameter	Brightness (Peak/Max)	2,400 nit / 1,200 nit
	Contrast Ratio (Peak/Max)	10,000:1
	Viewing angle - Horizontal	160°
	Viewing angle - Vertical	160°
	Bit Depth	16 bit (Internal processing 18bit)
	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	617 (W/m ²) / 80 (W/Cabinet)
	Power consumption - Typ	208 (W/m ²) / 27 (W/Cabinet)
	Heat generation - Max(BTU/SF)	195.5 BTU/SF per hour
	Refresh rate	6,480i
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, FCC, UL, CB, KCC, RoHS
Service	Service	Front
Package	Box Dimension (mm, LxHxD)	653 x 148 x 354
	Box Volume (m ³)	0.342
	Package Weight (kg, per cabinet)	4.9 kg

IFR Cabinet Drawing

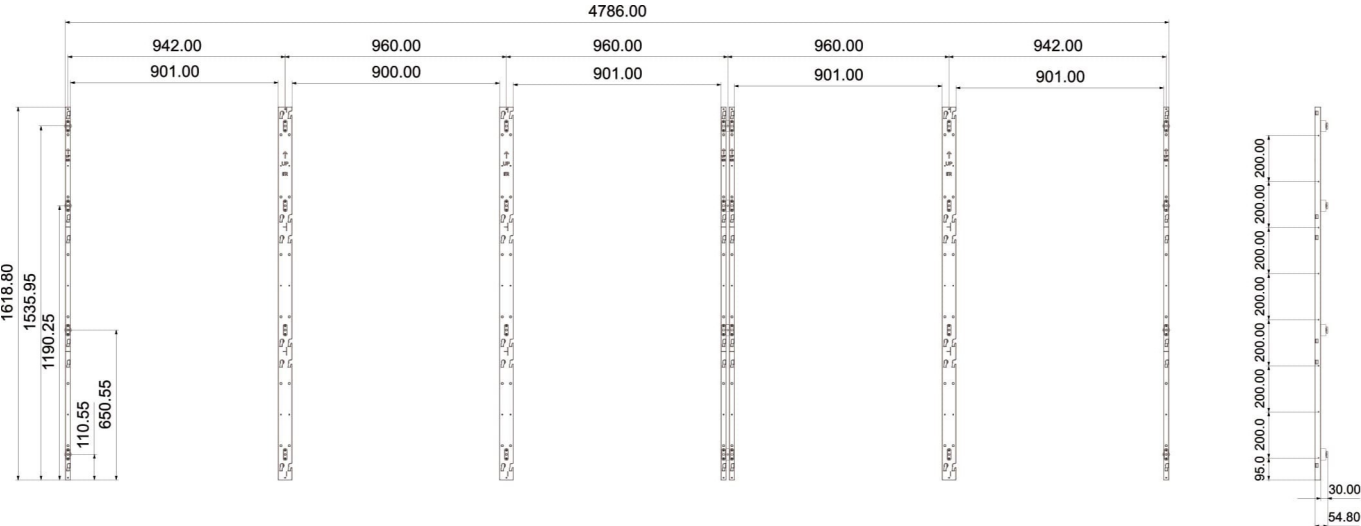


IFR-F Cabinet Drawing



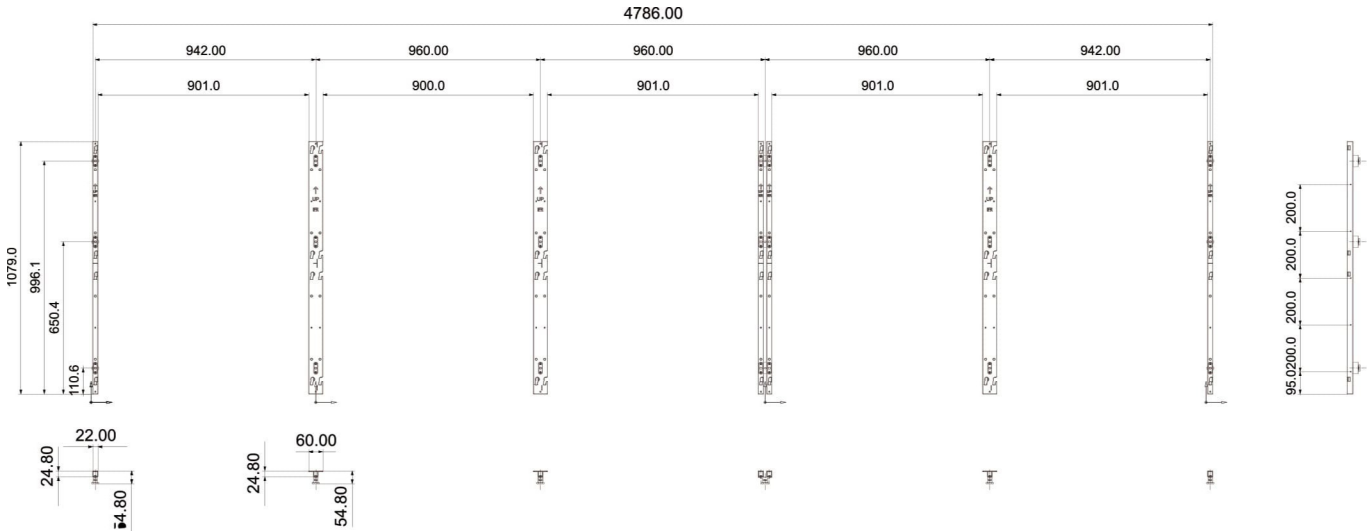
IFR Mechanical Drawing(Frame Kit)

LED DISPLAY IFR FRAME KIT 5X3



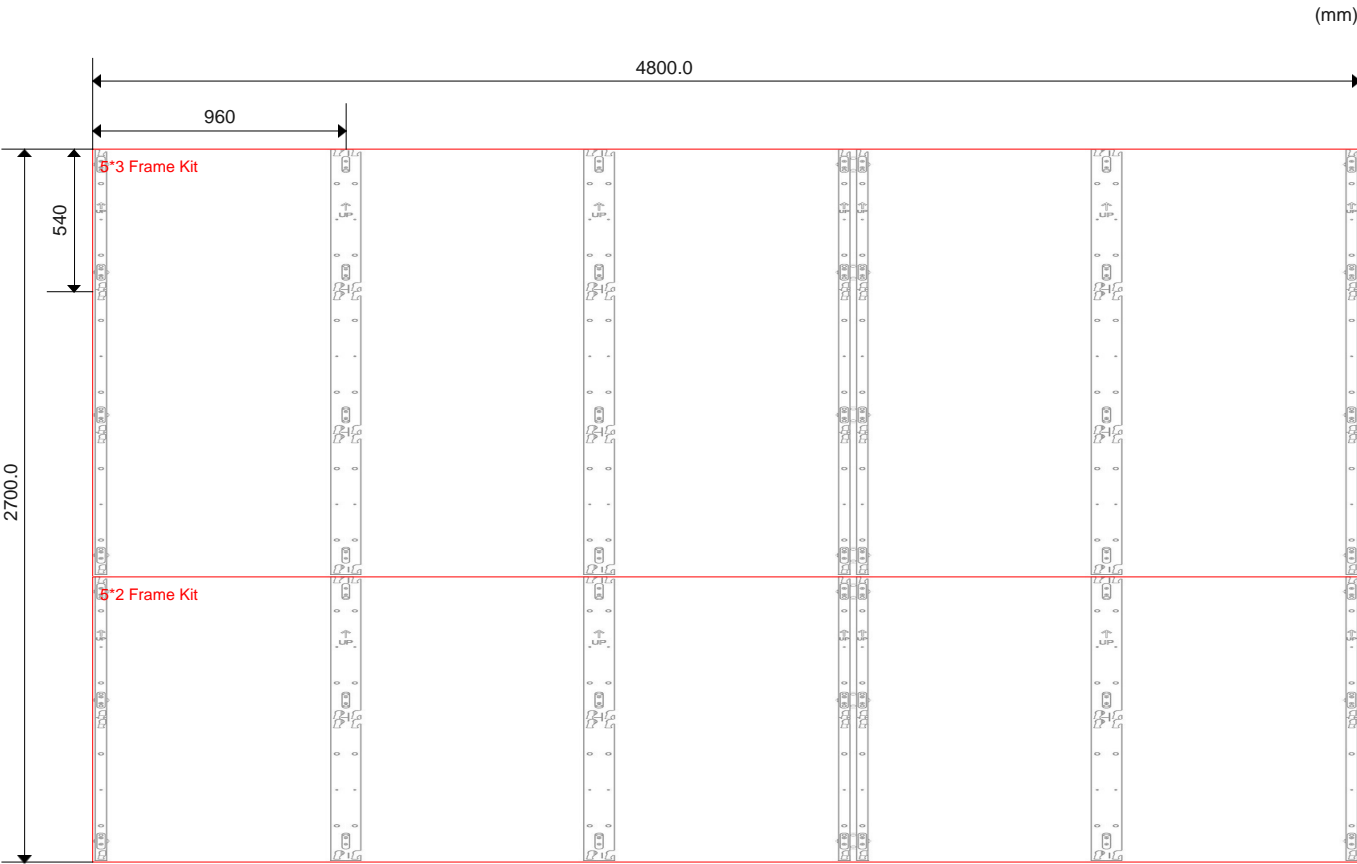
IFR Mechanical Drawing(Frame Kit)

LED DISPLAY IFR FRAME KIT 5X2



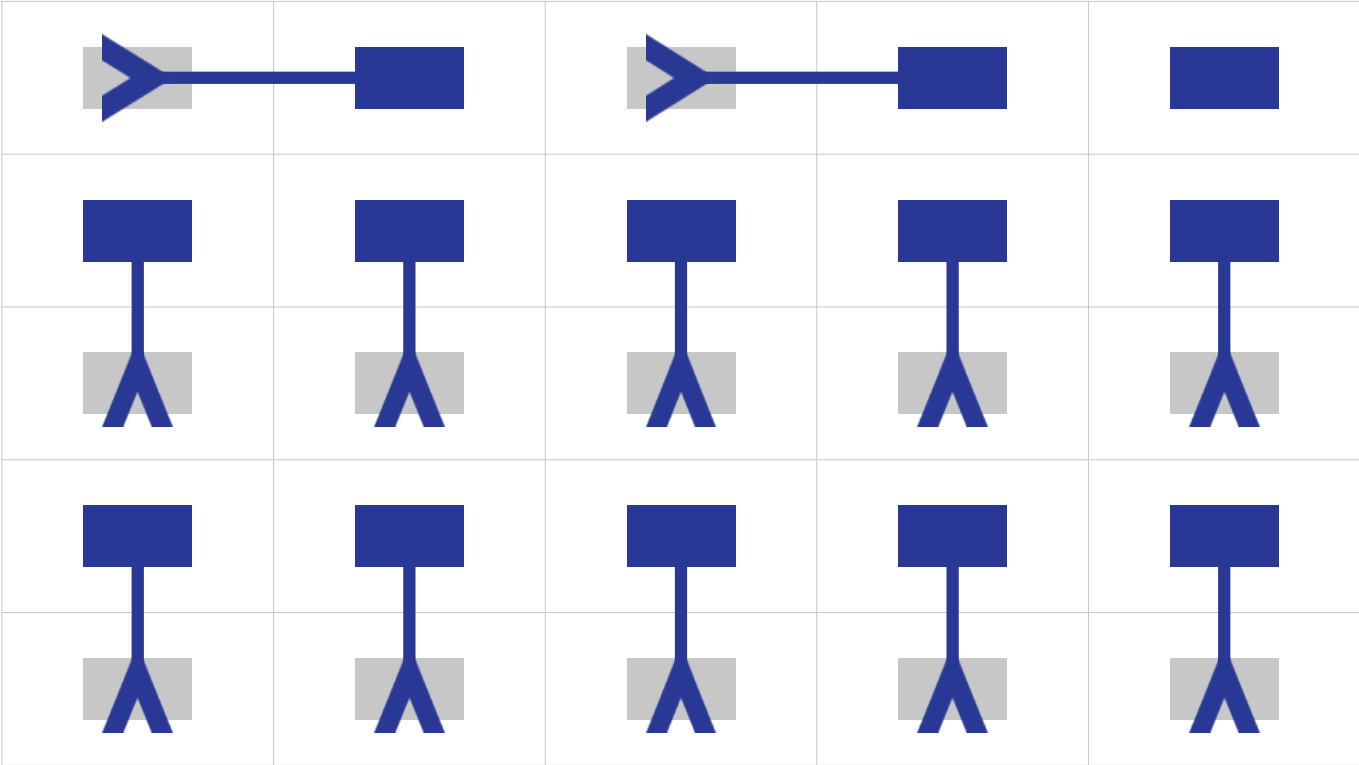
Frame Kits	Mount Framekit for IFR 8x4	0
	Mount Framekit for IFR 4x4	0
	Mount Framekit for IFR 5x3	1
	Mount Framekit for IFR 3x3	0
	Mount Framekit for IFR 5x2	1
	Mount Framekit for IFR 1x1	0

IFR+IFR-F Mechanical Drawing(Frame Kit)







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

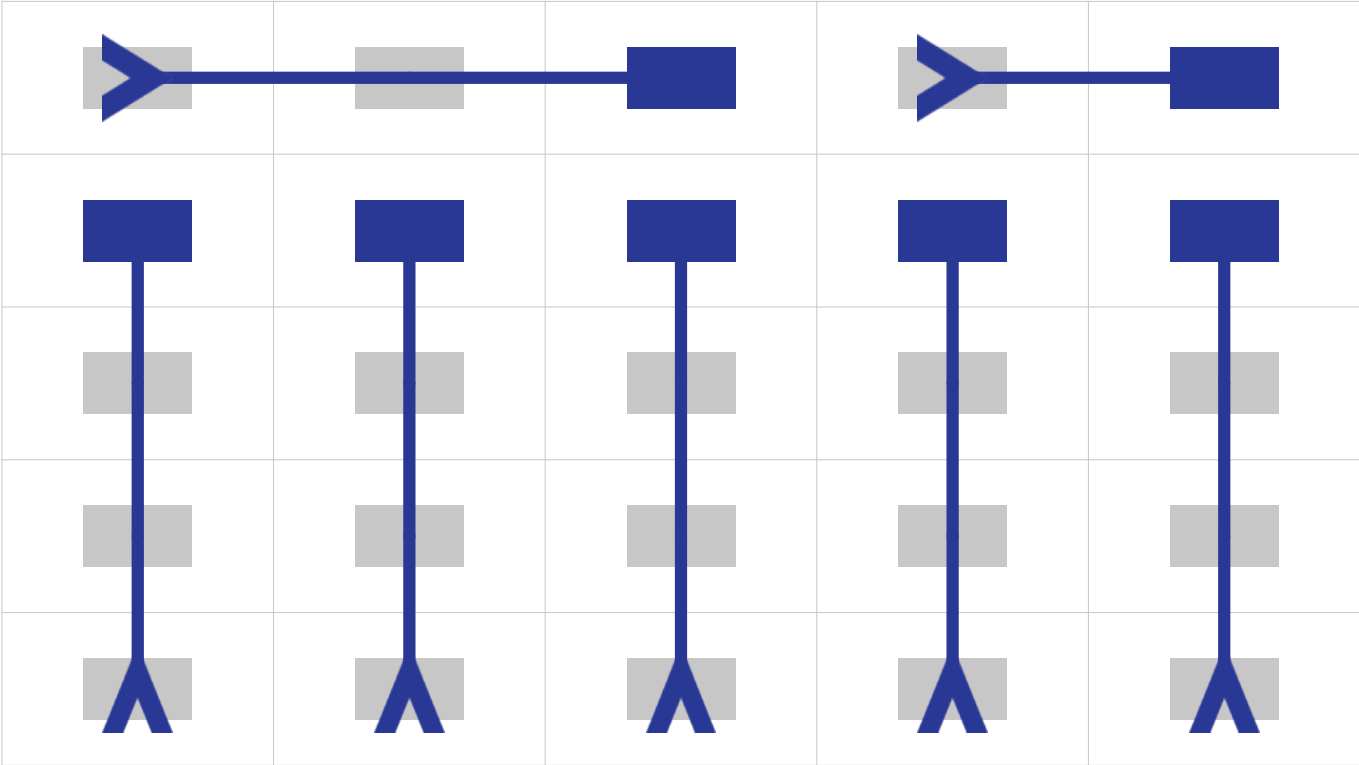
IFR+IFR-F Power flow Diagram(110V)







** 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

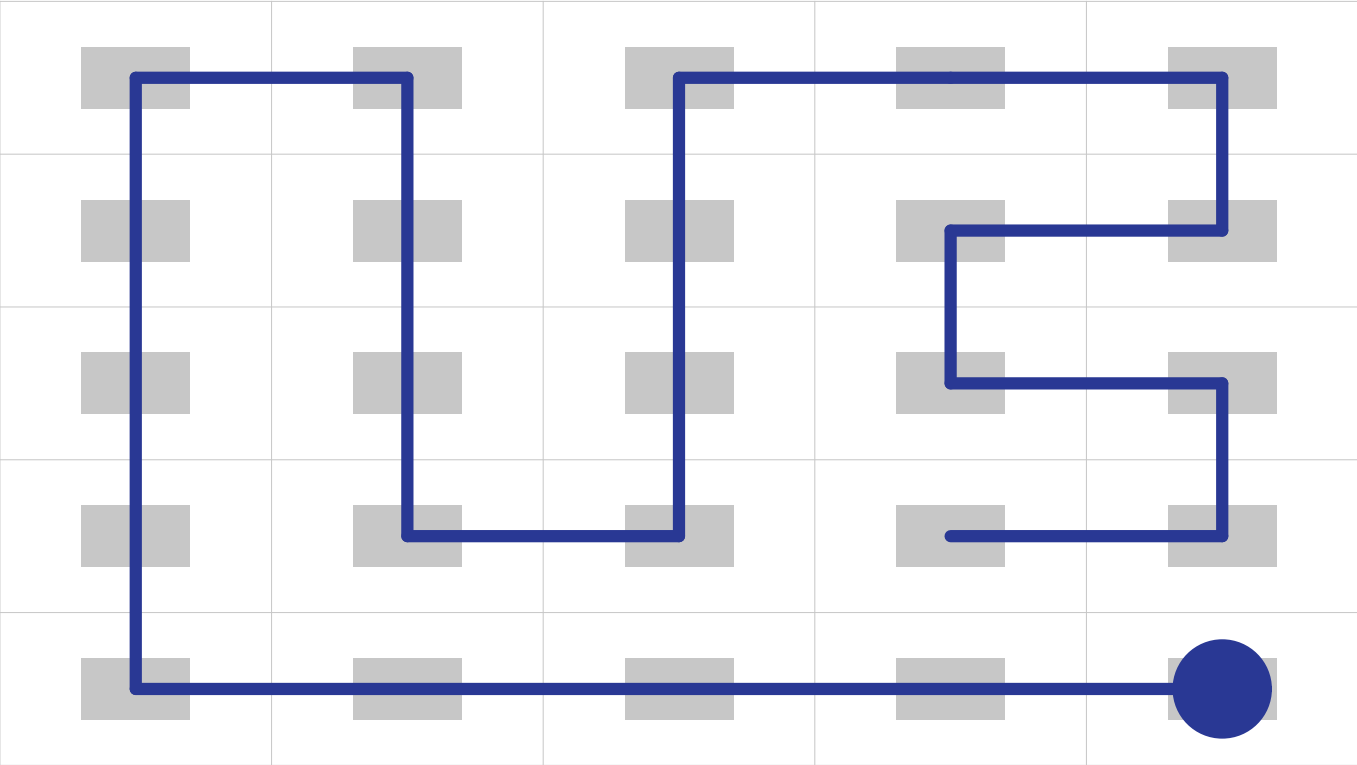
IFR+IFR-F Power flow Diagram(220V)



* 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

IFR+IFR-F Data Flow Diagram



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

IFR Ventilation Guide (A case Dynamic Peaking function is activated)

(CFM)

Temperature	FAN flow per a column	Total FAN flow
15°C	0	No fan required
20°C	0	No fan required
25°C	0	No fan required
30°C	55	275

IFR Ventilation Guide (A case Dynamic Peaking function is deactivated)

(CFM)

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

IFR-F Ventilation Guide (A case Dynamic Peaking function is activated)

(CFM)

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

IFR-F Ventilation Guide (A case Dynamic Peaking function is deactivated)

(CFM)

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

Production Information



IF025R

[LEARN MORE](#)



IF025R-F

[LEARN MORE](#)



SBB-SNOWJAU

[LEARN MORE](#)