

Project Description

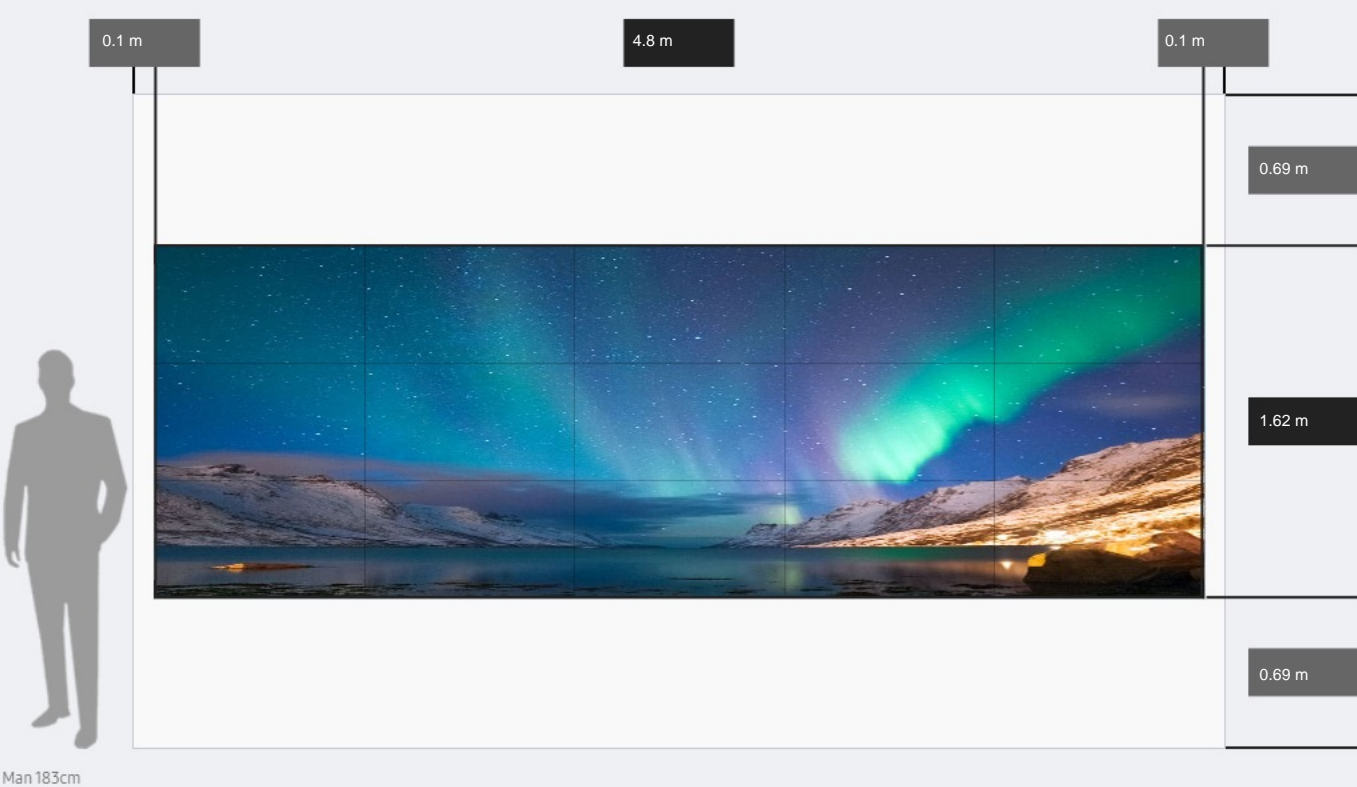
5x3
[Indoor Model IE025R]



With more businesses turning to LED signage for an enhanced customer experience, Samsung's IER series displays offer an ideal combination of superior picture quality and intuitive usability. IER Series captivates customers through industry-leading video processing technologies and High Dynamic Range (HDR) picture refinement, delivering clearer, more realistic and memorable content. Fine-tune uniformity and accurate color even in low brightness also always ensures enhanced image presentation. Hassle-free installation and flexible configuration options means any business can have an eye-catching display regardless of environmental constraints.

LED Configuration Rendering

LED Configuration Rendering [Indoor Model IE025R]



Screen Specification

Model Name **IE025R**

| | | |
|--------------------------|----------------------------|---------------------|
| IER Display Requirements | Screen Configuration (WxH) | 5 x 3 |
| | No. of Cabinets | 15 |
| | No. of Spare Cabinets | 1 |
| | Total No. of Cabinets | 16 |
| Display Wall Dimensions | Dimensions | 4.8 X 1.62 m |
| | Display Area | 7.78 m ² |
| | Diagonal | 199.44 inch |
| | Weight | 162.0 kg |
| Optical Parameter | Resolution | 1920 X 648 |
| | Minimum No. of S-Boxes | 1 |
| Power Requirements | Max | 2250 Watts |
| | Typical | 750 Watts |

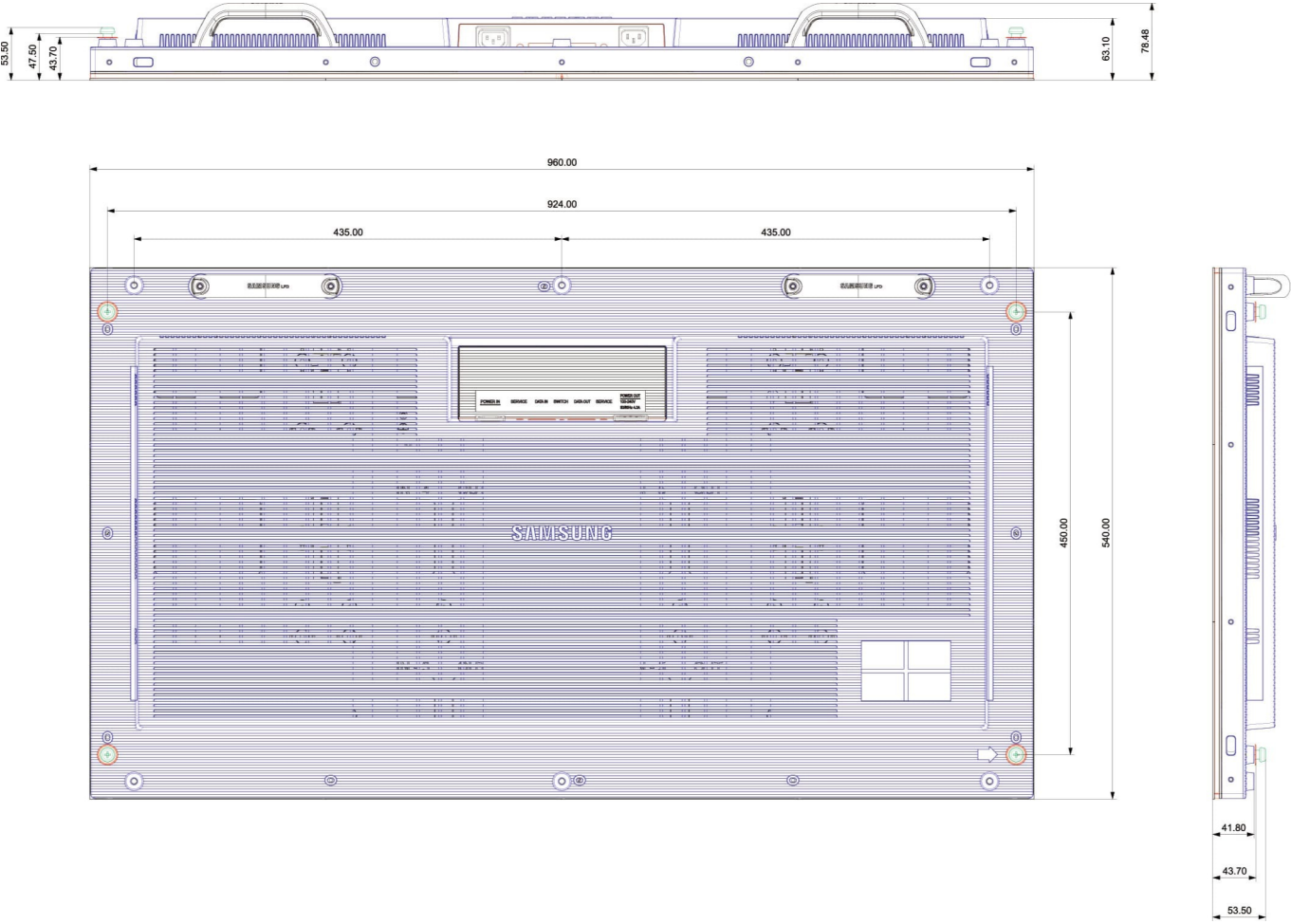
* Specifications are subject to change without notice.

Product Specification

Model Name **IE025R**

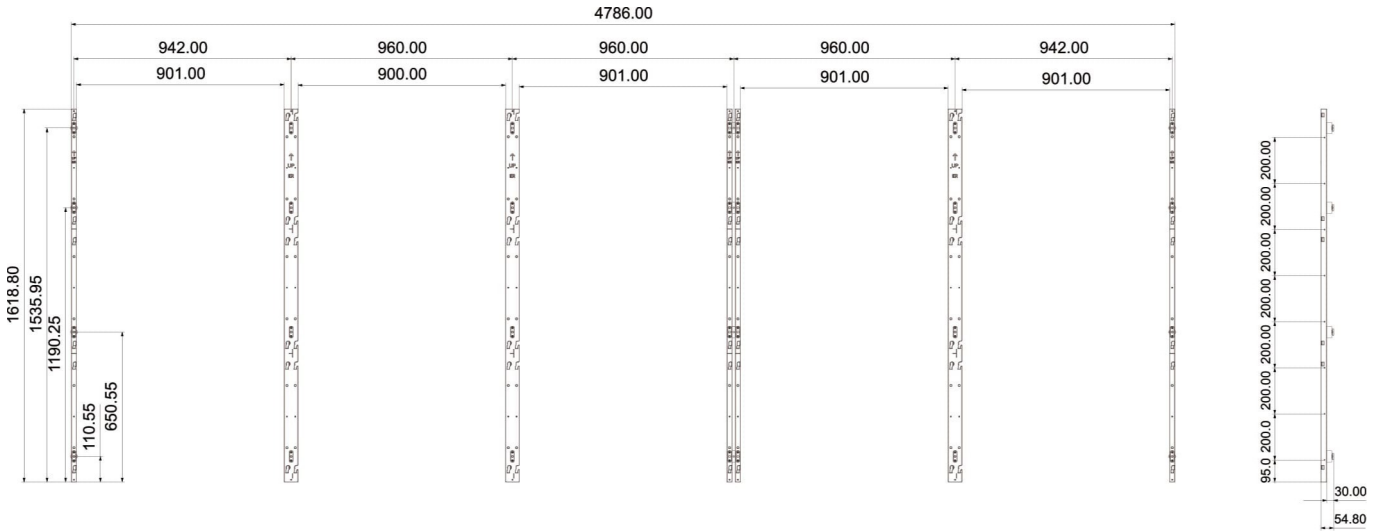
| | | |
|----------------------|--|---|
| Physical Parameter | Pixel Pitch | 2.5mm |
| | Diode Type | Surface Mount Device (SMD) |
| | Dimensions (mm, LxHxD, per cabinet) | 960x540x79.5 mm |
| | Dimensions (inch, inchxD, per cabinet) | 43.3 inch x 3.13 inch |
| | Weight (per cabinet/per m ²) | 10.8Kg / 20.8Kg |
| Optical Parameter | Brightness (Peak/Max) | 1,200 nit / 600 nit |
| | Contrast Ratio (Peak/Max) | 6,000:1 |
| | 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 | 289 (W/m ²) / 150 (W/Cabinet) |
| | Power consumption - Typ | 96 (W/m ²) / 50 (W/Cabinet) |
| | Heat generation - Max(BTU/SF) | 91.6 BTU/SF per hour |
| | Refresh rate | 3,840 Hz |
| 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) | 1119 x 699 x 206 |
| | Box Volume (m ³) | 0.161 |
| | Package Weight (kg, per cabinet) | 16.5kg |

Cabinet Drawing



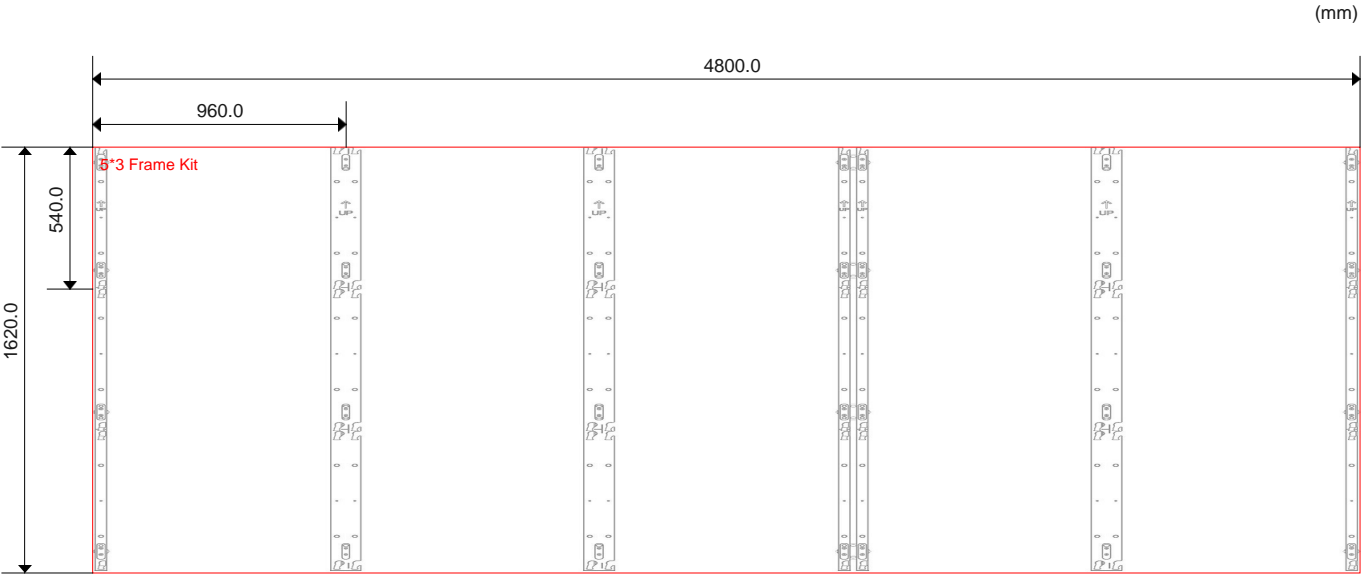
Mechanical Drawing(Frame Kit)

LED DISPLAY IER series FRAME KIT 5X3



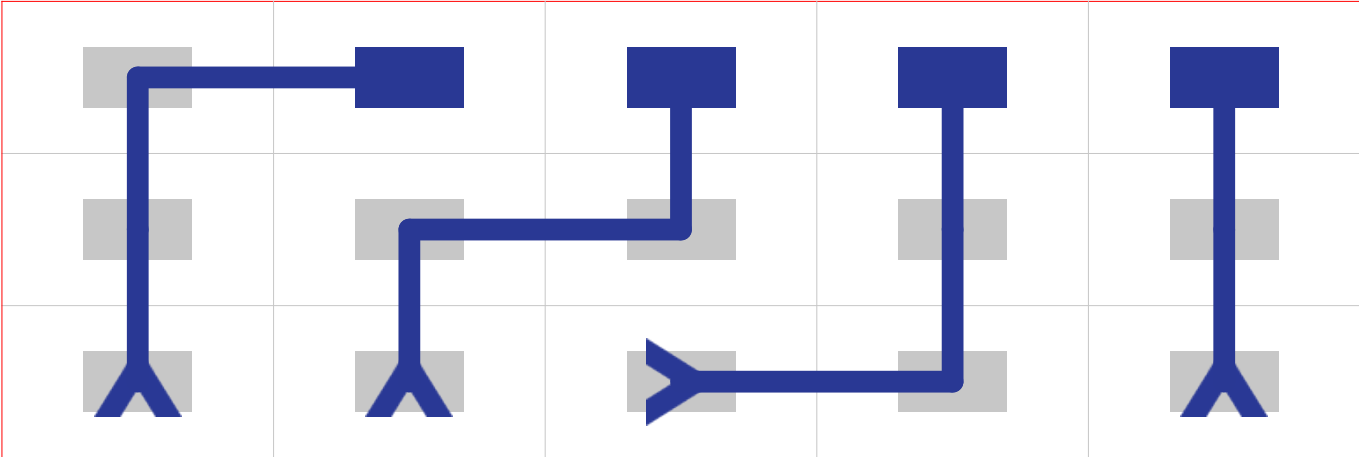
| | | |
|------------|----------------------------|---|
| Frame Kits | Mount Framekit for IER 8x4 | 0 |
| | Mount Framekit for IER 4x4 | 0 |
| | Mount Framekit for IER 5x3 | 1 |
| | Mount Framekit for IER 3x3 | 0 |
| | Mount Framekit for IER 5x2 | 0 |
| | Mount Framekit for IER 1x1 | 0 |

Mechanical Drawing(Frame Kit)



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

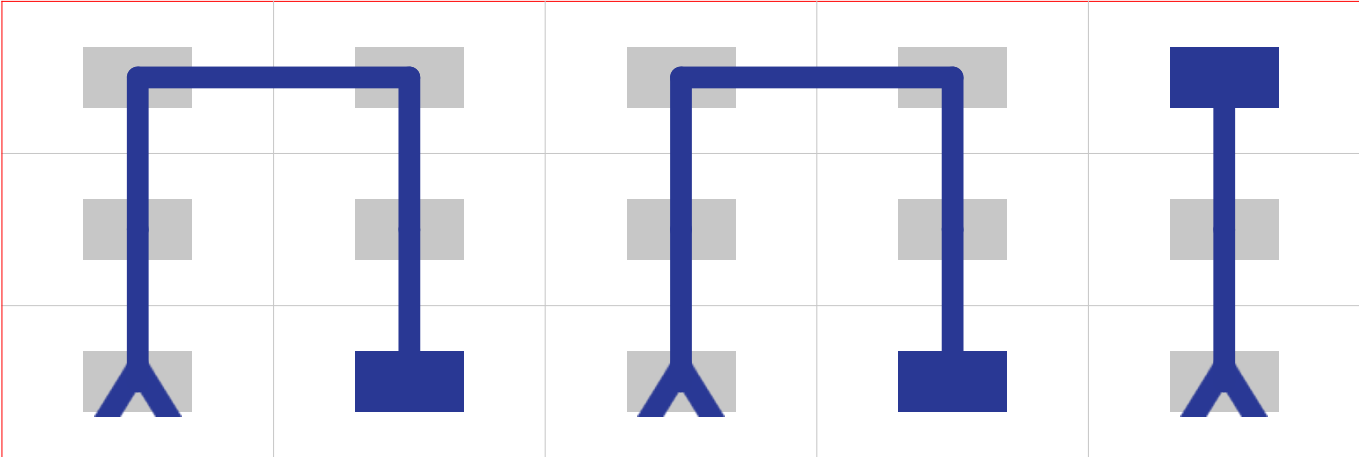
Power flow Diagram(110V)



* 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

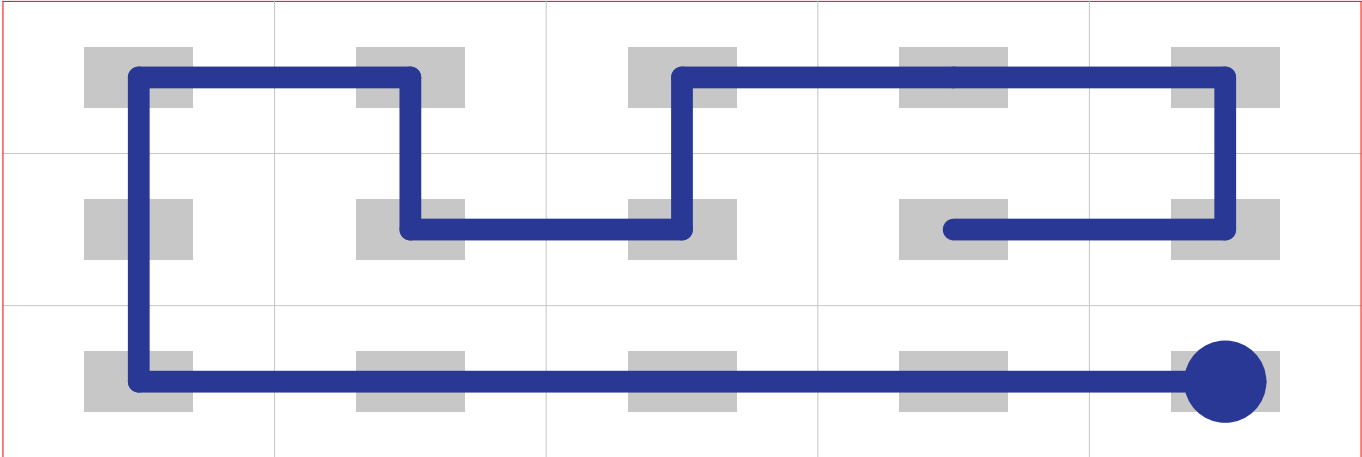
Power flow Diagram(220V)



* 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

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°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



IE025R

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