The Wall **ME012J**

# ME012J

- **Creator Name**
  ME012J

- **Project ID**
  Syscom

* The configuration information in this document is for simulated installation only, while actual physical specifications may vary. Please consult with Samsung or your installation partner for accurate information.
* Specifications are subject to change without notice.

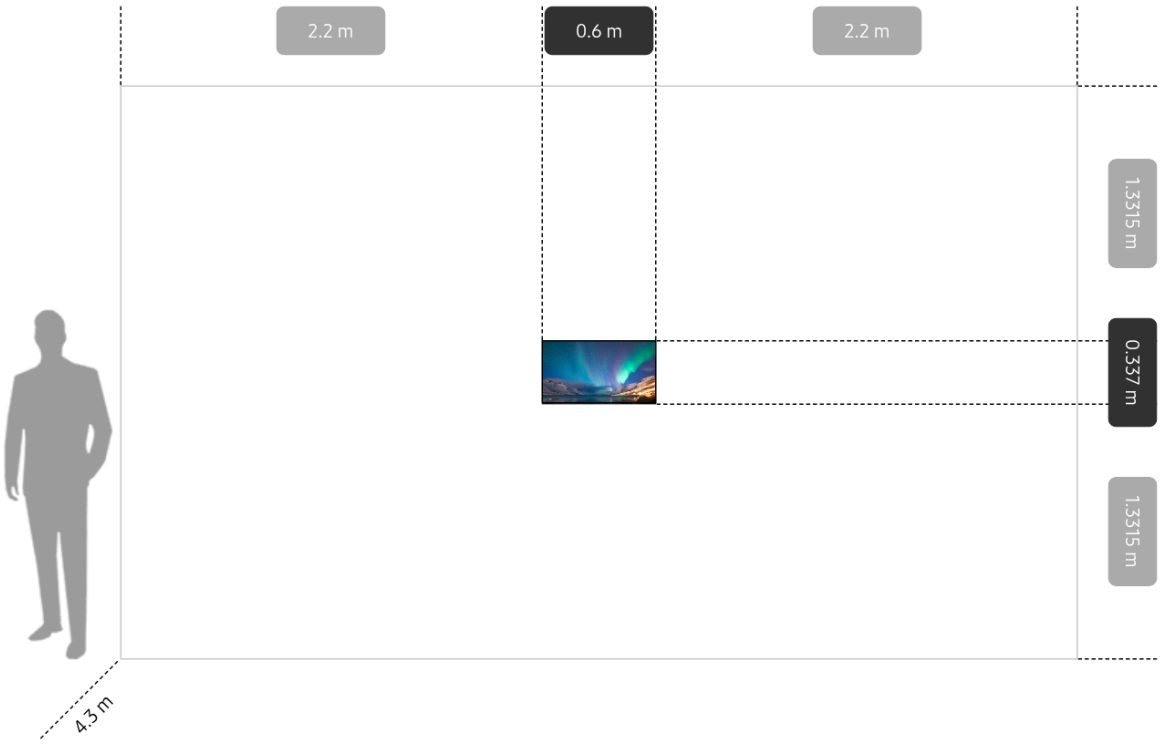
Date of configuration : 6th November, 2026




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The Wall is a pioneer, constantly opening new ways for unmatched visual statements.
Leveraging Samsung's rich R&D heritage, it now offers a more business-focused solution while maintaining its signature picture quality.
Introducing The Wall M series-designed to revolutionize the way you do business.

LED Configuration Rendering

# The Wall **ME012J**



## Screen Specifications

### Model Name **ME012J**

| | | | |
|---|---|---|---|
| Screen Configuration | | | 1 Unit x 1 Unit |
| Screen Specifications | Length x Height | | 0.6 x 0.337 m |
| | Area | | 0.202 m² |
| | Diagonal | | 27.093 inch |
| | Weight(Only Cabinets) | | 3.6 Kg |
| | Optimal Viewing Distance | | 4.3 m |
| Optical Parameter | Resolution | | 480 x 270 |
| Power Requirements[1)] | Max | | 60 Watts |
| | Typical | | 19 Watts |
| | 110V 20A Circuits | Min number of Circuits | 1 Circuit |
| | | Max number of Cabinet sper daisy chain | 10 Cabinets |
| | 208V 20A Circuits | Min number of Circuits | 1 Circuit |
| | | Max number of Cabinet sper daisy chain | 20 Cabinets |
| | 230V 13A Circuits | Min number of Circuits | 1 Circuit |
| | | Max number of Cabinet sper daisy chain | 20 Cabinets |
| | 230V 16A Circuits | Min number of Circuits | 1 Circuit |
| | | Max number of Cabinet sper daisy chain | 20 Cabinets |
| Heat Generation | Max | | 180 BTU |
| | Typical | | 60 BTU |
| Customer Selection | Screen Type | | Flat |
| | Bit Type | | 8 Bit |

1) Power Requirements : The specified number of circuits represents the minimum requirement and may vary depending on the actual power distribution and wiring configuration.

Screen Components

## Model Name ME012J

| | | |
|---|---|---|
| LED Cabinets | No. of Cabinets | 1 Unit |
| | No. of Spare Cabinets | 1 Unit |
| | Total No. of Cabinets (LH012MEJAAA) | 2 Units |
| S-Box | SBB-CJ4JPES | 1 Unit |
| | SBB-CJ4JPES(Spare) | 1 Unit |
| Accessory Kit[1)] | | No accessory kit is necessary |

1) Accessory Kit : 1 accessory needs to be purchased and bundled per 11cabinets.
It is recommended to order in multiples of 22 to optimize shipping and logistics costs.
Max Load Capacity per Ethernet Port : 8 Bit(659,722)

* For large curved LED walls, Samsung Frame Kits are intended for cabinet alignment and installation.
Depending on the screen size and site conditions, a separate support structure or mounting solution may be required.

Product Specification

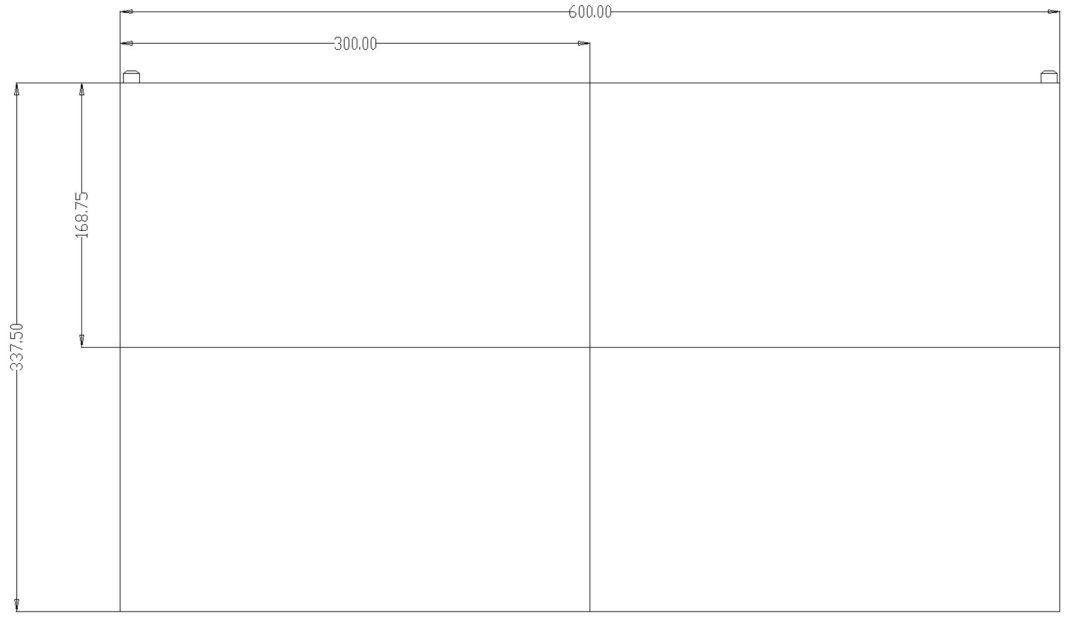
## Model Name ME012J

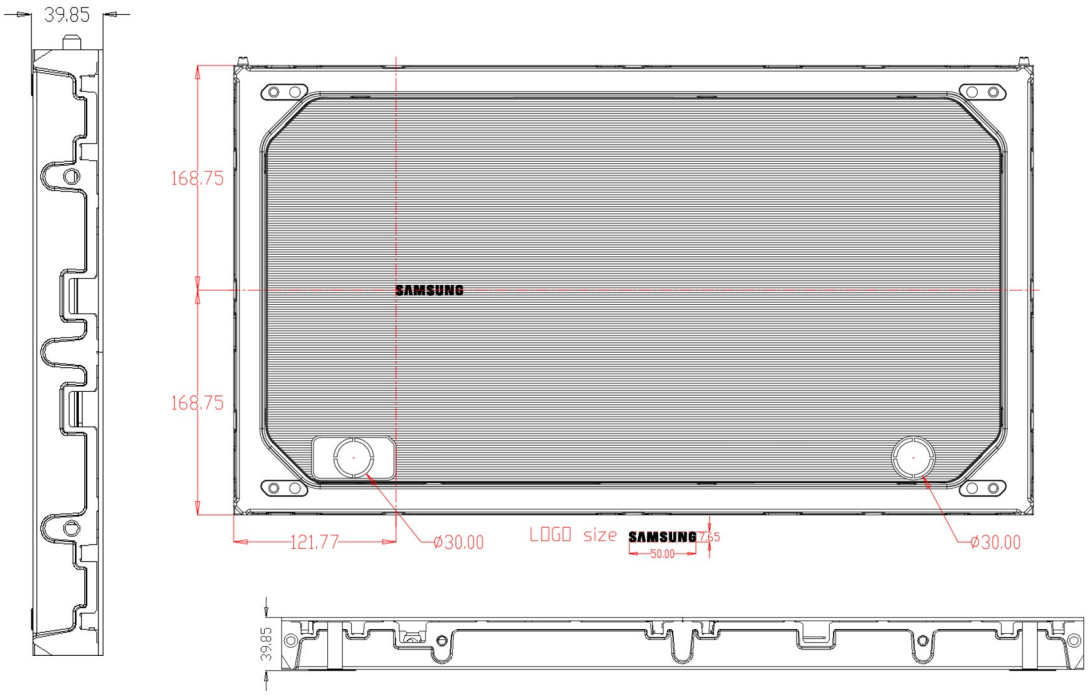
| | | |
|---|---|---|
| Physical Parameter | Pixel Pitch | 1.25mm |
| | Diode Type | Flip-chip RGB LED |
| | Dimensions (mm, LxHxD, per cabinet) | 600 x 337.5 x 40 mm |
| | Diagonal (inch, DiagonalxD, per cabinet) | 27.1 x 1.6 inch |
| | No. of Modules(WxH, per cabinet) | 2 x 2 |
| | Weight (per cabinet/per m²) | 3.59 (kg/Cabinet) / 17.8 (kg/m²) |
| Optical Parameter | Brightness (Peak/Max, S-Box) | 600 nit |
| | Contrast Ratio (Peak/Max) | 8,000 : 1 |
| | Viewing angle - Horizontal | 160° |
| | Viewing angle - Vertical | 155° |
| | Bit Depth | 13 bit (Internal processing 16bit) |
| | Color temperature - Adjustable | 2,800K ~ 15,000K (using S-Box) |
| Electrical Parameter | Video Rate | 50/60 Hz |
| | Input Power Range | 100~240 VAC, 50/60 Hz |
| | Power consumption - Max | 300 (W/m²) / 60 (W/Cabinet) |
| | Power consumption - Typ | 110 (W/m²) / 19 (W/Cabinet) |
| | Heat generation – Max(BTU/m² , BTU/cabinet) | 890 (BTU/m²) / 180 (BTU/Cabinet) |
| | Heat generation – Typical(BTU/m² , BTU/cabinet) | 300 (BTU/m²) / 60 (BTU/Cabinet) |
| | Refresh rate | 3,840 Hz |
| | Visual Refresh Rate | N/A |
| Operation Conditions | Working Temperature / Humidity | 0°C~+40°C / 10%~90%RH |
| | Storage Temperature / Humidity | -20°C~+50°C / 10%~90%RH |
| | IP Rating | IP40 (Front) / IP20 (Rear) |
| | LED Lifetime | 100,000 hours |
| Certification | Certification | 62368-1, 60950-1 / Class A |
| Service | Service | Front |

Product Specification

| | | |
|---|---|---|
| Package | Box Dimension (mm, LxHxD) | 780 x 405 x 105 mm |
| | Package Weight (kg, per cabinet) | 6.9 kg |

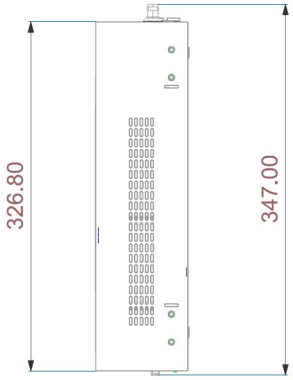
## Mechanical Drawing(Cabinet)



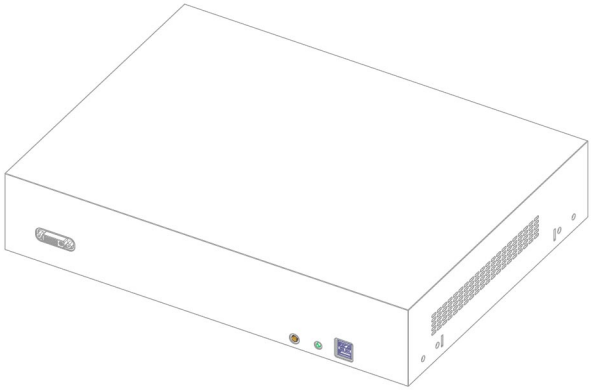
## Mechanical Drawing(CJ4JPES)









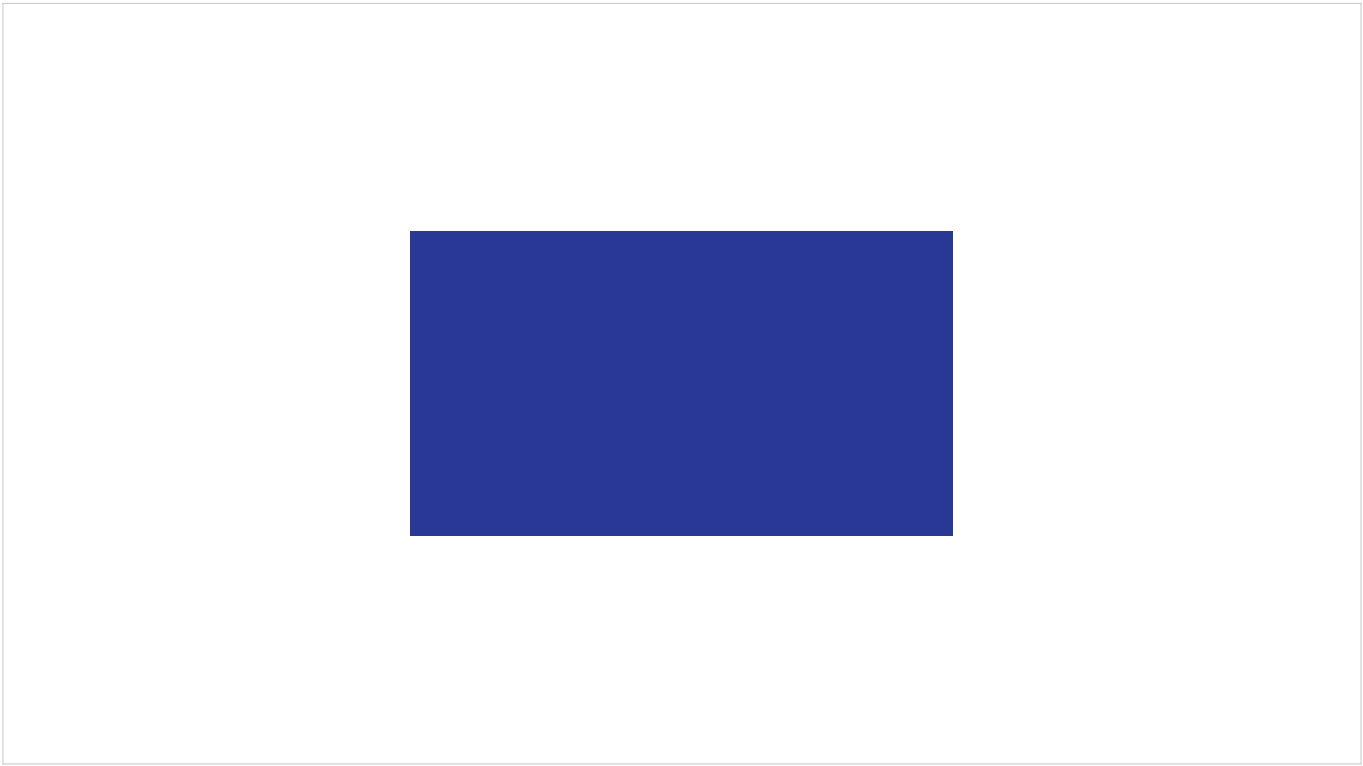


## Power Flow Diagram(110V, Front View)



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

## Power Flow Diagram(110V, Rear View)



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

## Power Flow Diagram(220V, Front View)



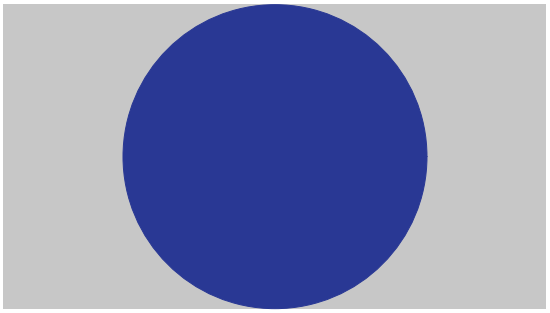
- Power Interconnect Cable
- Power Cable Input/Output
- Primary Cable Routing End Point
- Primary Power Cable Input

## Power Flow Diagram(220V, Rear View)



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

## Data Flow Diagram(Front View)

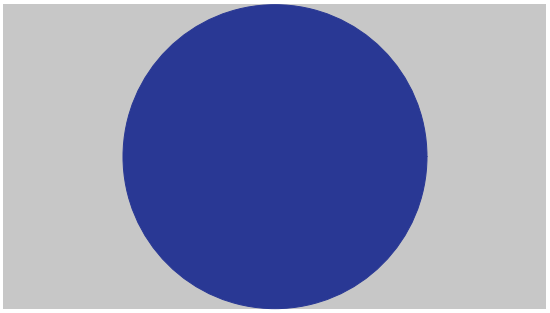


S-BOX unit

Data Link

Primary

## Data Flow Diagram(Rear View)



S-BOX unit

Data Link

Primary



**ME012J**



**SBB-CJ4JPES**