

# Samsung 85" Spatial Digital Signage Display

Model LH85SMHPBGCXEN • Non-touch • Portrait orientation • 24/7 rated

Portrait-orientation commercial display with Samsung's glasses-free spatial 3D imaging, an anti-glare high-brightness panel, and Samsung VXT cloud content and device management. Built for continuous 24/7 operation in retail, hospitality and corporate signage environments.

| DISPLAY                  |                  | CONNECTIVITY   |                  |
|--------------------------|------------------|----------------|------------------|
| Diagonal Size            | 85"              | HDMI In        | 3 (HDMI 2.0)     |
| Panel Type               | VA               | DisplayPort In | 1 (DP 1.2)       |
| Resolution               | 3,840 x 2,160    | HDCP Version   | 2.2              |
| Pixel Pitch (H x V)      | 0.487 x 0.487 mm | USB            | 2                |
| Brightness (Typ)         | 500 nit          | IR In          | Yes              |
| Contrast Ratio           | 4,000:1          | Audio In       | No               |
| Contrast Ratio (Dynamic) | Mega             | Audio Out      | Stereo mini jack |
| Viewing Angle (H/V)      | 178 / 178        | RS232 In / Out | Yes / Yes        |
| Response Time            | 10 ms            | RJ45 (LAN) In  | Yes              |
| Colour Gamut             | 72% (NTSC)       | Wi-Fi          | Yes              |
| Glass Haze               | 25%              | Bluetooth      | Yes              |
| H-Scanning Frequency     | 30 - 81 kHz      |                |                  |
| V-Scanning Frequency     | 48 - 75 Hz       |                |                  |
| Maximum Pixel Frequency  | 594 MHz          |                |                  |
| Operation Time Support   | 24/7             |                |                  |

| POWER                          |                      | DIMENSIONS & WEIGHT            |                           |
|--------------------------------|----------------------|--------------------------------|---------------------------|
| Power Supply                   | AC 100-240V, 50/60Hz | Set Dimensions (W x H x D)     | 1101.2 x 1920.2 x 52.0 mm |
| Power Consumption (On Mode)    | 484 W                | Package Dimensions (W x H x D) | 2093 x 1234 x 220 mm      |
| Power Consumption (Sleep Mode) | 0.5 W                | Set Weight                     | 49.0 kg                   |
|                                |                      | Package Weight                 | 61.9 kg                   |

| OPERATING CONDITIONS |                              | MECHANICAL SPECIFICATION |              |
|----------------------|------------------------------|--------------------------|--------------|
| Temperature          | 0 ~ 40 °C                    | VESA Mount               | 400 x 600 mm |
| Humidity             | 10 ~ 80%<br>(non-condensing) | Bezel Width              | 21 mm        |
|                      |                              | Bezel Colour             | Black        |
|                      |                              | Frame Material           | Non-glossy   |

| SYSTEM ON CHIP    |           | ECO / COMPLIANCE        |                  |
|-------------------|-----------|-------------------------|------------------|
| OS Version        | Tizen 7.0 | Energy Efficiency Class | G                |
| Flash Memory Size | 16 GB     | EMC                     | Class A          |
|                   |           | Safety                  | 60950-1, 62368-1 |