### Product specification

**DISPLAY PANEL**

- **Screen Size (Diagonal):** 65-inch (1639 mm)
- **Panel type:** IPS / Edge-LED
- **Aspect ratio:** 16:9
- **Effective Display Area (W x H):** 1428 x 803 mm
- **Number of pixels (H x V):** 1920 x 1080 pixels
- **Brightness:** 450 cd/m² (typ.)
- **Contrast Ratio:** 1300:1 (typ.)
- **Dynamic Contrast:** 50000:1 (typ.)
- **Max. Display Colors:** approx. 1.07 Billion
- **Viewing Angle (Horizontal / Vertical):** 178° / 178° (CR ≧ 10)
- **Panel Life Time:** approx. 50000 hours (typ)
- **Panel Surface Treatment:** Anti glare type (Haze 1%)

*1 When the panel lifetime is at 50% of the brightness under the condition of 25 degrees Celsius (+/- 2 degrees celsius).

**CONNECTION TERMINAL**

- **HDMI IN:** HDMI Type A Connector x 2 Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)
- **VIDEO / AUDIO IN (AV IN):** 4 Port mini Jack (M3) x 1 / x 1 (AUDIO IN Shared with DVI IN, PC IN, VIDEO IN)
  - VIDEO: 1.0 V [p-p] (75 Ω)
  - AUDIO: 0.5 V [rms]
- **DVI-D IN:** DVI-D 24-pin x 1 Compliance with DVI Revision 1.0 Compatible with HDCP 1.1
- **DVI-D OUT:** DVI-D 24-pin x 1 Compliance with DVI Revision 1.0 Compatible with HDCP 1.1
- **PC IN:** Mini D-Sub 15-pin (DDC2B) x 1
  - : with sync 1.0 V [p-p] (75 Ω)
  - : without sync 0.7 V [p-p] (75 Ω)
  - P/C/G/ R: 0.7 V [p-p] (75 Ω)
- **SERIAL IN / OUT:** D-sub 9-pin x 1 / x 1, RS-232C Compatible
- **LAN / DIGITAL LINK IN:** RJ45 x 1 100BASE-TX, compatible with PJLink (Shared with LAN, Long reach mode)
- **IR TRANSMITTER IN / OUT:** Stereo Mini Jack (M3) x 1 / x 1
- **AUDIO OUT:** Stereo Mini Jack (M3) x 1 0.5 V [rms] (Variable (- ∞ - 0 dB) (1 kHz 0 dB Input, 10 k Ω Load)
- **USB:** USB 2.0 Type A connector x 1 DC 5 V/1A (USB 3.0 is not supported.)

**AUDIO**

- **Built in Speaker:** 20 W [10 W + 10 W]

**ELECTRICAL**

- **Power Requirements:** AC 220 - 240 V 50/60 Hz
- **Power Consumption:** 155 W
- **On Mode Average Power Consumption:** 124 W
- **Power Off Condition:** approx. 0.3 W
- **Stand-by Condition:** approx. 0.5 W
- **Apparent power:** 159 VA

*Based on IEC 62087 Ed.2 measurement method

**MECHANICAL**

- **Dimensions (W x H x D):** 1452 x 834 x 64 mm
- **Weight:** approx. 29.8 kg
- **Bezel Color:** Black
- **Bezel Width:** 1/8 (0.95 mm, R 15.7 mm)
- **Carton Dimensions (W x H x D):** 1648 x 1076 x 280 mm
- **Gross Weight:** approx. 41.0 kg
- **Cabinet Material:** Front: Metal / Back: Plastic
- **Pitch for Wall-Hanging:** VESA Compliant 400 x 400 mm (Installed by: M6 screws / Screw hole depth 10 mm)

**INSTALLATION**

- **Orientation:** Landscape / Portrait (Rotation: Up to 45 degrees for each right and left with the display installed landscape)
- **Tilting Angle:** Landscape -0.45 degrees forward / backward
- **Portrait -0.45 degrees forward / backward

*Please contact your sales representative with regard to the tilt angle before installation.

*When you install the product upright, be sure to make the power lamp of the main body come to the upper side.

**ENVIRONMENTAL**

- **Operating Environment:** Temperature: 0℃ to 40℃ / -0℃ to 35℃
  - Humidity: 20% to 80% (No condensation)
- **Storage Environment:** Temperature: -20℃ to 60℃
  - Humidity: 20% to 80% (No condensation)

*1 : for up to 1400 m altitude *2 : for between 1400 m and 2800 m altitude
Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction.
- This unevenness will disappear while applying current continuously. If not, consult the distributor.

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1/5 65SF2W_PKF_01_09/06/2017
65-inch Class FULL HD LCD Display

TH-65SF2W

MAIN FEATURE

USB Media Player YES
Failback / Failover YES
Data Copying YES
Digital ZOOM YES
Multi display settings YES
Power on screen delay YES
Auto setting YES
Screen saver YES
HDMI power management YES
DIGITAL LINK power management YES
PC power management YES
DVI-D power management YES
Power save YES
Button lock YES
Controller user level YES
Input search YES
6-segment color management YES
Dynamic contrast YES
Color enhancement YES
Refine enhancer YES
Gradation smoother YES
Set up timer YES
AMX D.D. YES
Crestron Connected™ YES
Extron XTP YES
WEB Browser control YES
PJLink™ YES
Image compatible YES
Input detection YES
HDMI CEC compatible YES
ViewZ YES
Early Warning Software compatible YES
Multi Monitoring & Control Software compatible YES
CMS Content management Software compatible YES

REMOTE CONTROL TRANSMITTER

Power Requirements DC 3 V (2 x AAA Size batteries)
Operating distance approx. 7 m*
Weight approx. 63 g including batteries
Dimensions (W x H x D) 48 x 134 x 20 mm
*When operated directly in front of receptor.

INCLUDED ACCESSORIES

- AC cord (2.0 m) - Remote Control - Batteries (AAA size) x 2
- Clamper x 3 - User Manual

OPERATIONAL ACCESSORIES

Pedestal Stand TY-ST55PE9

DIMENSIONS

Cautions: This drawing is not a scale
Units : mm

CONNECTION TERMINAL

Cautions: This drawing is not a scale

* Specifications and appearance are subject to change without notice.
### List of correspondence signals

The picture signal which can indicate this machine is as it is the following table.

<table>
<thead>
<tr>
<th>Correspondence signal</th>
<th>Resolution (dot)</th>
<th>Scan rate</th>
<th>Dot clock rate (MHz)</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Horizontal (kHz)</td>
<td>Vertical (Hz)</td>
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<td>NTSC/NTSC4.43/ PAL M/PAL60</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
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<td>V</td>
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<td>480/60</td>
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<td>15.73</td>
<td>59.94</td>
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<td>720 x 576</td>
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<tr>
<td>640 x 400/70</td>
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<tr>
<td>640 x 400/85</td>
<td>640 x 400</td>
<td>37.86</td>
<td>85.06</td>
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</tbody>
</table>

- The signal format distinguished automatically will be sometimes indication different from an actual input signal.

- *1: When 1125 (1035) /60i signal is input, it is displayed as 1125 (1080) /60i signal. *2: Pixel-Repetition signal (dot clock frequency 27.0 MHz) only
- *3: Displayed with image elements thinned out in the image processing circuit. *4: Based on VESA CVT-RB (Reduced Blanking) standard
Due to the construction of terminal, some types of connecting cable or USB memory device cannot be used. Be sure to use connecting cable or USB memory device after confirmation in this drawing.
Installation precautions

The SF2 Series is designed for use in either portrait or horizontal orientation with angle adjustment. Tilting installation up to 45 degrees forward or backward is also possible. You can install as shown the example figures.

<table>
<thead>
<tr>
<th>Orientation</th>
<th>Landscape (The angle can be adjusted up to 45 degrees for each right and left (with the display installed landscape).)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilting angle</td>
<td>0 - 45 degrees forward / backward with landscape / portrait setting (Angle adjustment is not possible for forward / backward tilting installation.)</td>
</tr>
</tbody>
</table>

◆ Orientation

![Angle adjustment (0-45° for both left and right)](image)

◆ Tilting angle

**Forward tilting**

![Forward tilting](image)

**Backward tilting**

![Backward tilting](image)