## Screen Size (Diagonal)
- 54.6-inch (1387 mm)

## Panel type
- IPS / Edge-LED

## Effective Display Area (W x H)
- 1209 x 680 mm

## Number of pixels (H x V)
- 1920 x 1080 pixels

## Brightness
- 400 cd/m² (Typ)

## Contrast Ratio
- 1300:1

## Dynamic Contrast
- 50000:1

## Viewing Angle (Horizontal / Vertical)
- 178° / 178° (CR ≧ 10)

## Response Time
- 8 ms (G to G)

## Panel Surface Treatment
- Anti glare type (Haze 10%)

## Panel Life Time
- approx. 60000 hours (typ)

### Notes
- *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)
- Y/G: BNC Contact Plug with sync 1.0 V [p-p] (75 Ω)
- P/C/B: BNC Contact Plug 0.7 V [p-p] (75 Ω)
- P/C/R: BNC Contact Plug 0.7 V [p-p] (75 Ω)

#### COMPONENT / RGB IN
- BNC x 1 (Shared with COMPONENT IN)
- 1.0 V [p-p] (75 Ω)
- P/B/C/B: BNC Contact Plug 0.7 V [p-p] (75 Ω)
- P/R/C/R: BNC Contact Plug 0.7 V [p-p] (75 Ω)

#### AUDIO IN
- Stereo Mini Jack (M3) x 1 (Shared with VIDEO IN)
- 0.5 V [rms]

#### VIDEO IN
- BNC x 1 (Shared with COMPONENT / RGB Y/G)
- 1.0 V [p-p] (75 Ω)

#### DVI IN
- DVI-D 24-pin x 1
- Compliance with DVI Revision 1.0
- Compatible with HDCP 1.1

#### AUDIO OUT
- Stereo Mini Jack (M3) x 1 (Shared with DVI-D IN)
- 0.5 V (rms)

#### PC IN
- Mini D-Sub 15-pin x 1 (Female)
- Y/G: 1.0 - 5.0 V [p-p] (high impedance)
- P/C/B: 0.7 V [p-p] (75 Ω)
- P/C/R: 0.7 V [p-p] (75 Ω)

#### SERIAL IN / OUT
- RS-232C Compatible

#### LAN / DIGITAL LINK IN
- RJ45 x 1
- 100BASE-TX, compatible with PJLink

#### AUDIO OUT
- Stereo Mini Jack (M3) x 1
- Variable (-∞ - 0 dB) (1 kHz 0 dB input, 10 k Ω load)

#### USB
- Type A connector x 1
- USB 2.0
- USB 3.0 is not supported.

### AUDIO
- Built-in Speaker
- 10 W (8 Ω, Full Range: 80 mm x 30 mm) x 2

### ELECTRICAL

#### Power Requirements
- 220 - 240 VAC 50 Hz / 60 Hz

#### Power Consumption
- 190 W

#### Power Off Condition
- approx. 0.3 W

#### Stand-by Condition
- approx. 0.5 W

#### Apparent power
- 200 VA

* Based on IEC 62087 Ed.2 measurement method

### MECHANICAL

#### Dimensions (W x H x D)
- 1229 x 699 x 72 mm

#### Weight
- approx. 24.9 kg

#### Bezel Color
- Black

#### Bezel Width
- 6.3 mm

#### Carton Dimensions (W x H x D)
- 1444 x 922 x 223 mm

#### Gross Weight
- approx. 33 kg

#### Cabinet Material
- Metal (Front, Back cover)

#### Pitch for Wall-Hanging
- VESA Compliant 400 x 400 mm (Installed by: M6 screws / Screw hole depth 10 mm)

### INSTALLATION

#### Orientation
- Landscape / Portrait
- Tilt: 0 - 45 degrees forward / backward with landscape / portrait setting
- Pitch for Wall-Hanging: 45 degrees forward / backward (Angle adjustment is not possible for forward / backward tilting installation.)

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

### ENVIRONMENTAL

#### Operating Environment
- Temperature: 0°C to 40°C *1 / 0°C to 35°C *2
- Humidity: 20% to 90% (No condensation)

#### Storage Environment
- Temperature: -20°C to 60°C
- 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.
55-inch Class FULL HD LCD Display

**MAIN FEATURE**
- DIGITAL LINK: Yes
- USB Media Player: Yes
- Failback / Failover: Yes
- Data Cloning: Yes
- Digital ZOOM: Yes
- Multi display settings: Yes
- Power on screen delay: Yes
- Auto setting: Yes
- Screen saver: Yes
- PC/DVI/HDMI/DIGITAL LINK: Yes
- Power management: Yes
- Power save: Yes
- Button lock: Yes
- Controller user level: Yes
- Input search: Yes
- 6-segment colour management: Yes
- Colour enhancement: Yes
- Refine enhancer: Yes
- Gradation smoother: Yes
- Dynamic backlight control: Yes
- Set up timer: Yes
- AAXX to B: Yes
- Crestron Connected: Yes
- Extron XTP: Yes
- WEB Browser control: Yes
- PJLink: Yes
- Early Warning Software compatible: Yes
- Multi Monitoring & Control Software compatible: Yes
- Operating Time: 24h/day

*In case of running for a long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving image.

* Specifications and appearance are subject to change without notice.

**DIMENSIONS**

![Dimensions Diagram]

**CONNECTION TERMINAL**

![Connection Terminal Diagram]

**STANDARD (CERTIFICATIONS)**

**SAFETY REGULATIONS**
- IEC 60950-1:2005 (Second Edition)
- + Am 1:2009 + Am 2:2013
- EN 60950-1:2006 + A11:2009
- AS/NZS 60950.1:2011 Inc A1
- BEAB approval

**RADIATION REGULATIONS**
- EN55022:2010+AC:2011(Class A) (expire 03/2017)
- EN55022:2010
- IEC61000-3-2:2014
- IEC61000-3-3:2013
- IEC61000-4-2:2008
- IEC61000-4-3:2010
- IEC61000-4-4:2012
- IEC61000-4-5:2005
- IEC61000-4-6:2013
- IEC61000-4-8:2009
- IEC61000-4-11:2004
- AS/NZS CISPR32:2013

**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): 44 x 105 x 20.5 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
- Operating instruction book

**OPTIONAL ACCESSORIES**
- Pedestal Stand: TY-ST43PE8

Cautions: This drawing is not a scale

Units: mm

* 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>
<th>DIGITAL LINK</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC/NTSC-4.43/ PAL-N/PAL-M</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>PAL/N/NTSC-4.575</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>525 (480)</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>625 (576)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>13.50</td>
<td>R/Y</td>
</tr>
<tr>
<td>525 (480)</td>
<td>720 x 480</td>
<td>15.63</td>
<td>59.94</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>625 (576)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>525 (480p)</td>
<td>720 x 480</td>
<td>31.47</td>
<td>59.94</td>
<td>27.00</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>625 (576p)</td>
<td>720 x 576</td>
<td>31.25</td>
<td>50.00</td>
<td>27.00</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>750 (720) / 60p</td>
<td>1280 x 720</td>
<td>45.00</td>
<td>60.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>750 (720) / 50p</td>
<td>1280 x 720</td>
<td>37.50</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 60i</td>
<td>1920 x 1080</td>
<td>33.75</td>
<td>60.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 50i</td>
<td>1920 x 1080</td>
<td>28.13</td>
<td>50.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 24p</td>
<td>1920 x 1080</td>
<td>27.00</td>
<td>24.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 24P</td>
<td>1920 x 1080</td>
<td>27.00</td>
<td>48.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 25p</td>
<td>1920 x 1080</td>
<td>28.13</td>
<td>25.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 30p</td>
<td>1920 x 1080</td>
<td>33.75</td>
<td>30.00</td>
<td>74.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 60i</td>
<td>1920 x 1080</td>
<td>67.90</td>
<td>60.00</td>
<td>148.50</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1125 (1080) / 50i</td>
<td>1920 x 1080</td>
<td>56.25</td>
<td>50.00</td>
<td>148.50</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>640 x 400</td>
<td>640 x 400</td>
<td>31.47</td>
<td>70.00</td>
<td>25.18</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>640 x 480</td>
<td>640 x 480</td>
<td>37.86</td>
<td>85.00</td>
<td>31.50</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>800 x 600</td>
<td>800 x 600</td>
<td>37.88</td>
<td>60.00</td>
<td>40.00</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1024 x 768</td>
<td>1024 x 768</td>
<td>39.55</td>
<td>50.00</td>
<td>51.89</td>
<td>D/H</td>
</tr>
<tr>
<td>1024 x 768</td>
<td>1024 x 768</td>
<td>48.36</td>
<td>60.00</td>
<td>65.00</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1066 x 600</td>
<td>1066 x 600</td>
<td>37.64</td>
<td>60.00</td>
<td>43.80</td>
<td>D/H</td>
</tr>
<tr>
<td>1152 x 864</td>
<td>1152 x 864</td>
<td>53.70</td>
<td>60.00</td>
<td>81.62</td>
<td>D/H</td>
</tr>
<tr>
<td>1280 x 720</td>
<td>1280 x 720</td>
<td>44.76</td>
<td>60.00</td>
<td>74.48</td>
<td>D/H</td>
</tr>
<tr>
<td>1280 x 768</td>
<td>1280 x 768</td>
<td>39.55</td>
<td>49.94</td>
<td>65.18</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1366 x 768</td>
<td>1366 x 768</td>
<td>47.78</td>
<td>59.87</td>
<td>79.50</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1400 x 1050</td>
<td>1400 x 1050</td>
<td>65.22</td>
<td>60.00</td>
<td>122.61</td>
<td>D/H</td>
</tr>
<tr>
<td>1440 x 900</td>
<td>1440 x 900</td>
<td>55.47</td>
<td>59.90</td>
<td>88.75</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1600 x 1000</td>
<td>1600 x 1000</td>
<td>60.00</td>
<td>60.00</td>
<td>108.00</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1680 x 1050</td>
<td>1680 x 1050</td>
<td>59.95</td>
<td>59.95</td>
<td>146.25</td>
<td>R/Y/D/H</td>
</tr>
<tr>
<td>1700 x 1080</td>
<td>1700 x 1080</td>
<td>60.00</td>
<td>60.00</td>
<td>162.00</td>
<td>R/Y/D/H</td>
</tr>
</tbody>
</table>

*1: When 1125 (1035) / 60 signal is input, it is displayed as 1125 (1080) / 60 signal. *3: Displayed with image elements thinned out in the image processing circuit. *4: Based on VESA CVT-RB (Reduced Blanking) standard
Drawing of terminals

View from back

Magnified figure of terminal a

Sectional view of terminal a
(PCM/AUDIO/COMPONENT/DIGITAL LINK/LAN/HDMI/DVI-D/USB)

Terminal a
55SF1HW Terminal (Bottom)

<table>
<thead>
<tr>
<th></th>
<th>PC</th>
<th>AUDIO</th>
<th>COMPONENT</th>
<th>DIGITAL LINK/LAN</th>
<th>HDMI</th>
<th>DVI-D</th>
<th>USB</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>17.1</td>
<td>17.3</td>
<td>18.9</td>
<td>15.2</td>
<td>14.2</td>
<td>15.8</td>
<td>14.8</td>
</tr>
<tr>
<td>B</td>
<td>4.3</td>
<td>1.7</td>
<td>10.8</td>
<td></td>
<td></td>
<td>4.7</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32.0</td>
</tr>
</tbody>
</table>

Magnified figure of terminal b

Sectional view of terminal b
(SERIAL/IR)

Terminal b
55SF1HW Terminal (Side)

<table>
<thead>
<tr>
<th></th>
<th>SERIAL</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>14.0</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>4.0</td>
<td>1.5</td>
</tr>
<tr>
<td>C</td>
<td>28.9</td>
<td></td>
</tr>
</tbody>
</table>

*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 SF1H 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 / Portrait (Angle adjustment 0 - 45 degrees for both left and right)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilting angle</td>
<td>0 - 45 degrees forward / backward with landscape / portrait setting</td>
</tr>
<tr>
<td></td>
<td>(Angle adjustment is not possible for forward / backward tilting installation.)</td>
</tr>
</tbody>
</table>

**Orientation**

**Angle adjustment** (0-45° for both left and right)

- **Landscape** orientation

- **Portrait** orientation

**Tilting angle**

**Forward tilting**

- **Landscape** orientation

- **Portrait** orientation

**Backward tilting**

- **Landscape** orientation

- **Portrait** orientation