## Product specification

**Displayer Panel** (design and specification subject to change without notice)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size (Diagonal)</td>
<td>49-inch (1232 mm)</td>
</tr>
<tr>
<td>Panel type</td>
<td>IPS / Edge LED</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Effective Display Area (W x H)</td>
<td>1073 x 604 mm</td>
</tr>
<tr>
<td>Number of pixels (H x V)</td>
<td>1920 x 1080 pixels</td>
</tr>
<tr>
<td>Brightness</td>
<td>700 cd/m² (Typ)</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1300:1</td>
</tr>
<tr>
<td>Dynamic Contrast</td>
<td>50000:1</td>
</tr>
<tr>
<td>Response time</td>
<td>8 ms (G to G)</td>
</tr>
<tr>
<td>Viewing Angle (Horizontal / Vertical)</td>
<td>178° / 178° (CR ≥ 10)</td>
</tr>
<tr>
<td>Panel Surface Treatment</td>
<td>Anti glare (Haze 10%)</td>
</tr>
<tr>
<td>Panel Life Time*1</td>
<td>approx. 60000 hours (typ)</td>
</tr>
</tbody>
</table>

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

## Connection Terminal

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI IN</td>
<td>HDMI Type A Connector x 2</td>
</tr>
<tr>
<td>COMPONENT/RGB IN</td>
<td>BNC x 1 set</td>
</tr>
<tr>
<td>AUDIO IN</td>
<td>Steréo MiniJack (M3) x 1 (Shared with VIDEO IN) 0.5 Vrms</td>
</tr>
<tr>
<td>VIDEO IN</td>
<td>BNC x 1 (Shared with COMPONENT/RGB Y/Pr/Pbc/Pry) 1.0 Vp-p (75 Ω) 0.5 Vrms</td>
</tr>
<tr>
<td>AUDIO IN</td>
<td>Steréo MiniJack (M3) x 1 (Shared with COMPONENT IN) 0.5 Vrms</td>
</tr>
<tr>
<td>DVI-D IN</td>
<td>DVI-D 24-pin x 1</td>
</tr>
<tr>
<td>AUDIO IN</td>
<td>Steréo MiniJack (M3) x 1 (Shared with PC IN) 0.5 Vrms</td>
</tr>
<tr>
<td>DVI-D OUT</td>
<td>DVI-D 24-pin x 1</td>
</tr>
<tr>
<td>PC IN</td>
<td>Mini D-Sub 15-pin x 1 (Female)</td>
</tr>
<tr>
<td>SERIAL IN/OUT</td>
<td>D-Sub 9-pin x 1, RS-232C, Compatible</td>
</tr>
<tr>
<td>USB IN</td>
<td>USB 2.0 Type A connector x 1 DC 5 V/1A (USB3.0 is not supported) 0.5 Vrms</td>
</tr>
</tbody>
</table>

## Speaker

Built in Speaker 20 W [10 W +10 W]

## Electrical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>220 - 240 V AC, 50 / 60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>175 W</td>
</tr>
<tr>
<td>On Mode Average Power Consumption</td>
<td>130 W</td>
</tr>
<tr>
<td>Power Off Condition</td>
<td>approx. 0.3 W</td>
</tr>
<tr>
<td>Stand-by Condition</td>
<td>approx. 0.5 W</td>
</tr>
<tr>
<td>Apparent power</td>
<td>185 VA</td>
</tr>
</tbody>
</table>

*Based on IEC 62087 Ed.2 measurement method

## Mechanical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>1093 x 623 x 72 mm</td>
</tr>
<tr>
<td>Dimensions (W x H x D) (excluding handle part)</td>
<td>1093 x 623 x 57 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 19.0 kg</td>
</tr>
<tr>
<td>Bezel Color</td>
<td>Black</td>
</tr>
<tr>
<td>Bezel Width</td>
<td>1/10 L/B : 6.5 mm</td>
</tr>
<tr>
<td>Carton Dimensions (W x H x D)</td>
<td>1308 x 846 x 203 mm</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>approx. 26.0 kg</td>
</tr>
<tr>
<td>Cabinet Material / Color</td>
<td>Metal / Black</td>
</tr>
<tr>
<td>Pitch for Wall Hanging</td>
<td>VESA Compliant 400 x 400 mm (Installed by: M6 screws / Screw hole depth 10 mm)</td>
</tr>
</tbody>
</table>

## Installation Requirement

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>Landscape / Portrait (Angle adjustment 0-45 degrees for both left and right)</td>
</tr>
<tr>
<td>Tilt 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>

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

## Environmental

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Environment</td>
<td>Temperature: 0°C to 40°C</td>
</tr>
<tr>
<td>Storage Environment</td>
<td>Temperature: -20°C to 60°C</td>
</tr>
</tbody>
</table>

*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.
**MAIN FEATURE**

USB Media Player: Yes
Fall back & Fail over: Yes
Data Cloning: Yes
Early Warning Software compatible: Yes
Multi Monitoring & Control Software compatible: Yes
Operating Time: 24h / 7d
Digital Zoom: Yes
Multi Display: Yes
Power ON Screen Delay: Yes
1:1 Pixel mode: Yes
Auto setup: Yes
Screen Saver: Yes
HDMI Power Management: Yes
DIGITAL LINK Power Management: Yes
PC Power Management: Yes
DVI-D Power Management: Yes
Input Lock: Yes
Button Lock: Yes
Remote-control User Level: Yes
Input Search: Yes

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.

**DIMENSIONS**

![Dimensions Diagram]

**CONNECTION TERMINAL**

![Connection Terminal Diagram]

**STANDARD (CERTIFICATIONS)**

<table>
<thead>
<tr>
<th>SAFETY REGULATIONS</th>
<th>IEC60950-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADIATION REGULATIONS</td>
<td>EN55022:2010 Class A</td>
</tr>
<tr>
<td></td>
<td>EN55024:2010</td>
</tr>
<tr>
<td></td>
<td>EN61000-3-2:2008-01/04/2009</td>
</tr>
<tr>
<td></td>
<td>EN61000-3-3:2013</td>
</tr>
<tr>
<td></td>
<td>AS/NZS CISPR22:2009</td>
</tr>
<tr>
<td></td>
<td>RCM Mark</td>
</tr>
</tbody>
</table>

**REMOTE CONTROL TRANSMITTER**

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>DC 3 V (2 x AAA Size batteries)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating distance</td>
<td>approx. 7 m*</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 63 g</td>
</tr>
<tr>
<td></td>
<td>including batteries</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>44 x 105 x 20.5 mm</td>
</tr>
</tbody>
</table>

* When operated directly in front of receptor.

**INCLUDED ACCESSORIES**

- AC cord (2.0 m)
- Remote Control
- Batteries (AAA size) x 2
- Camper x 3
- Operating instruction book

**OPTIONAL ACCESSORIES**

- Pedestal Stand: TY-ST43PE8

**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 follows table.

<table>
<thead>
<tr>
<th>Correspondence signal</th>
<th>Resolution (dot)</th>
<th>Scan rate</th>
<th>Dot clock rate (MHz)</th>
<th>Input format</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC/NTSC4.43/PAL-N/PAL-M/PAL-N/SECAM</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>-</td>
</tr>
<tr>
<td>525i (480i)</td>
<td>720 x 480</td>
<td>15.63</td>
<td>59.94</td>
<td>13.50</td>
</tr>
<tr>
<td>625i (576i)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>59.94</td>
<td>27.00</td>
</tr>
<tr>
<td>525p (480p)</td>
<td>720 x 480</td>
<td>31.47</td>
<td>59.94</td>
<td>27.00</td>
</tr>
<tr>
<td>525i (480i)</td>
<td>720 x 480</td>
<td>15.63</td>
<td>59.94</td>
<td>13.50</td>
</tr>
<tr>
<td>625i (576i)</td>
<td>720 x 576</td>
<td>15.63</td>
<td>59.94</td>
<td>27.00</td>
</tr>
<tr>
<td>VESA400</td>
<td>640 x 400</td>
<td>31.47</td>
<td>70.09</td>
<td>25.18</td>
</tr>
<tr>
<td>VGA</td>
<td>640 x 400</td>
<td>31.47</td>
<td>59.94</td>
<td>25.18</td>
</tr>
<tr>
<td>XGA</td>
<td>1024 x 768</td>
<td>39.55</td>
<td>50.00</td>
<td>51.89</td>
</tr>
<tr>
<td>SVGA</td>
<td>800 x 600</td>
<td>37.88</td>
<td>60.32</td>
<td>40.00</td>
</tr>
<tr>
<td>MAC16</td>
<td>832 x 640</td>
<td>49.72</td>
<td>74.55</td>
<td>57.28</td>
</tr>
<tr>
<td>852 x 480</td>
<td>852 x 480</td>
<td>31.47</td>
<td>59.94</td>
<td>34.24</td>
</tr>
<tr>
<td>SXGA</td>
<td>1280 x 768</td>
<td>47.71</td>
<td>59.79</td>
<td>85.50</td>
</tr>
<tr>
<td>WSXGA+</td>
<td>1680 x 1050</td>
<td>65.29</td>
<td>85.00</td>
<td>146.50</td>
</tr>
<tr>
<td>UXGA</td>
<td>1920 x 1080</td>
<td>65.29</td>
<td>85.00</td>
<td>148.50</td>
</tr>
</tbody>
</table>

### Footnotes:
- *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
**Drawing of terminals**

View from back

![Magnified figure of terminal a](image1)

**Terminal a**

**49LF8/80 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>4.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>32.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sectional view of terminal a**

(PC/AUDIO/COMPONENT/DIGITAL LINK/LAN/HDMI/DVI-D/USB)

Terminals (on the product side)

*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.

---

**Terminal b**

**49LF8/80 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>

**Sectional view of terminal b**

(SERIAL/IR)

Terminals (on the product side)
Installation precautions

The LF80/8 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

- **Power Indicator**

**Tilting angle**

- **Forward tilting**
  - **Landscape orientation**
  - **Portrait orientation**

- **Backward tilting**
  - **Landscape orientation**
  - **Portrait orientation**