**DISPLAY PANEL**

- **Screen Size (Diagonal):** 49-inch (1232 mm)
- **Panel type:** IPS / Edge-LED
- **Aspect ratio:** 16:9
- **Effective Display Area (W x H):** 42.2" x 23.7" (1073 x 604 mm)
- **Number of pixels (H x V):** 1920 x 1080 pixels
- **Brightness:** 700 cd/m² (Typ)
- **Contrast Ratio:** 1300:1
- **Dynamic Contrast:** 50000:1
- **Response Time:** 8 ms (G to G)
- **Viewing Angle (Horizontal / Vertical):** 178° / 178° (CR ≧ 10)
- **Panel Surface Treatment:** Anti glare (Haze 10%)
- **Panel Life Time**: approx. 60000 hours (typ)

*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) |
| COMPONENT/RGB IN | BNC x 1 set | Y/C, BNC Contact Plug with sync 0.7 Vp-p (75 Ω) P/Cr/C/B: BNC Contact Plug without sync 0.7 Vp-p (75 Ω) P/Cr/R: BNC Contact Plug with sync 0.7 Vp-p (75 Ω) |
| AUDIO IN | Stereo Mini Jack (M/3) x 1 (Shared with VIDEO IN) | 0.5 Vrms |
| VIDEO IN | BNC x 1 (Shared with COMPONENT/RGB Y/G) | 1.0 Vp-p (75 Ω) |
| AUDIO IN | Stereo Mini Jack (M/3) x 1 (Shared with COMPONENT/RGB Y/G) | 0.7 Vp-p (75 Ω) |
| AUDIO IN | Stereo Mini Jack (M/3) x 1 (Shared with PC IN) | 0.7 Vp-p (75 Ω) |
| AUDIO OUT | Stereo Mini Jack (M/3) x 1 (Shared with PC IN) | Variable (- ∞ - 0 dB) (1 kHz 0 dB Input, 10 kΩ Load) |
| PC IN | Mini D-Sub 15-pin x 1 (Female) | Y/G, PB/CB/B, PR/CR/R: without sync 0.7 Vp-p (75 Ω) HD/VD: 1.0 - 5.0 Vp-p (high impedance) |
| AUDIO IN | Stereo Mini Jack (M/3) x 1 (Shared with DVI IN) | 0.5 Vrms |
| SERIAL IN/OUT | RS-232C Compatible |
| LAN/DIGITAL LINK IN | RJ45 x 1 100BASE-TX, Compatible with PJLink |
| IR TRANSMITTER IN / OUT | Stereo Mini Jack (M/3) x 1 / x 1 |
| AUDIO OUT | Stereo Mini Jack (M/3) x 1 Variable (- ∞ - 0 dB) (1 kHz 0 dB Input, 10 kΩ Load) | 0.5 Vrms |
| USB | USB 2.0 Type A connector x 1 DC 5 V/1A (USB3.0 is not supported) |

**SPEAKER**

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

**ELECTRICAL**

- **Power Requirements:** 110 - 127 V AC 50 / 60 Hz
- **Power Consumption:** 175 W
- **On Mode Average Power Consumption**: 120 W
- **Power Off Condition:** approx. 0.3 W
- **Stand-by Condition:** approx. 0.5 W
- **Apparent power:** 180 VA

*Based on IEC 62087 Ed.2 measurement method.

**MECHANICAL**

- **Dimensions (W x H x D):** 43.1" x 24.6" x 2.8" (1093 x 623 x 72 mm)
- **Dimensions (W x H x D) (excluding handle part):** 43.1" x 24.6" x 2.3" (1093 x 623 x 57 mm)
- **Weight:** approx. 41.9 lbs. (19.0 kg)
- **Bezel Color:** Black
- **Bezel Width:** T/R/L/B : 0.25" (6.3 mm)
- **Carton Dimensions (W x H x D):** 51.5" x 32.4" x 8.0" (1308 x 846 x 203 mm)
- **Gross Weight:** approx. 57.4 lbs. (26.0 kg)
- **Cabinet Material / Color:** Metal / Black
- **Pitch for Wall-Hanging:** VESA Compliant 15.8" x 15.8" (400 x 400 mm) (Installed by: M6 screws / Screw hole depth 0.4" (10 mm))

**INSTALLATION REQUIREMENT**

- **Orientation:** Landscape (Portrait: Angle adjustment 0-45 degrees for both left and right)
- **Tilting Angle:** 0-45 degrees forward/backward with landscape/portrait setting

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

**ENVIRONMENTAL**

- **Operating Environment Temperature:** 32 °F to 104 °F (0 ℃ to 40 ℃) Humidity: 20% to 80% (No condensation)
- **Altitude:** 0 to 9186 ft (0 to 2800 m)
- **Storage Environment Temperature:** 4 °F to 140 °F (20 ℃ to 60 ℃) Humidity: 20% to 80% (No condensation)

*1: for up to 4593 ft (1400 m) altitude
*2: for between 4593 ft (1400 m) and 9186 ft (2800 m) altitude

Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction.

* Evenness will disappear while applying current continuously. If not, consult the distributor.

**UPC Code:** 885170240278
MAIN FEATURE

USB Media Player  Yes
Fail 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
PC Power Management  Yes
DVI-D Power Management  Yes
Input Lock  Yes
Input Search  Yes

REMOTE CONTROL TRANSMITTER

Power Requirements  DC 3 V  (2 x AAA Size batteries)
Operating distance  approx. 2.3 ft (7 m)*
Weight  approx. 2.2 oz (63 g) including batteries
Dimensions (W x H x D)  1.7" x 4.1" x 0.8"  (44 x 105 x 20.5 mm)

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.

STANDARD (CERTIFICATIONS)

SAFETY REGULATIONS  UL60950-1
RADIATION REGULATIONS  FCC 47 CFR, Part 15, Subpart B Class A,ICES-003

OPTIONAL ACCESSORIES

Pedestal Stand  TY-ST43PE8

INCLUDED ACCESSORIES

- AC cord (79" (2.0 m))  - Remote Control  - Batteries (AAA size) x 2

DIMENSIONS

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.

Cautions: This drawing is not a scale

Units : inches (mm)

CONNECTION TERMINAL

* Specifications and appearance are subject to change without notice.
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>Input format</th>
<th>DIGITAL LINK</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC/NTSC4.43/</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>-</td>
<td>V</td>
</tr>
<tr>
<td>PAL-M/PAL-N/SECAM</td>
<td>720 x 576</td>
<td>15.63</td>
<td>50.00</td>
<td>-</td>
<td>V</td>
</tr>
<tr>
<td>525i (480i)</td>
<td>720 x 483</td>
<td>31.47</td>
<td>59.94</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>625i (576i)</td>
<td>720 x 576</td>
<td>31.25</td>
<td>50.00</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>525p (480p)</td>
<td>720 x 576</td>
<td>31.47</td>
<td>59.94</td>
<td>27.00</td>
<td>R/Y</td>
</tr>
<tr>
<td>625p (576p)</td>
<td>720 x 576</td>
<td>31.25</td>
<td>50.00</td>
<td>27.00</td>
<td>R/Y</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>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>D/H</td>
</tr>
<tr>
<td>525i (480i)</td>
<td>720 (1440) x 480i</td>
<td>15.73</td>
<td>59.94</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>625i (576i)</td>
<td>720 (1440) x 576p</td>
<td>15.63</td>
<td>50.00</td>
<td>27.00</td>
<td>D/H</td>
</tr>
<tr>
<td>525p (480p)</td>
<td>720 (1440) x 480i</td>
<td>15.73</td>
<td>59.94</td>
<td>27.00</td>
<td>R/Y</td>
</tr>
<tr>
<td>625p (576p)</td>
<td>720 (1440) x 576p</td>
<td>15.63</td>
<td>50.00</td>
<td>27.00</td>
<td>R/Y</td>
</tr>
</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: Displayed with image elements thinned out in the image processing circuit.
- *3: Based on VESA CVT-RB (Reduced Blanking) standard
Drawing of terminals

View from back

Terminal a
49LF8/80 Terminal (Bottom)

Units: inches (mm)

<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>0.67</td>
<td>0.68</td>
<td>0.74</td>
<td>0.6</td>
<td>0.56</td>
<td>0.62</td>
<td>0.58</td>
</tr>
<tr>
<td></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>0.17</td>
<td>0.07</td>
<td>0.43</td>
<td>0.43</td>
<td>0.43</td>
<td>0.19</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>(4.3)</td>
<td>(1.7)</td>
<td>(10.8)</td>
<td>(10.8)</td>
<td>(10.8)</td>
<td>(4.7)</td>
<td>(4.7)</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>1.26</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(32.0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sectional view of terminal b (SERIAL/IR)

Terminal b
49LF8/80 Terminal (Side)

Units: inches (mm)

<table>
<thead>
<tr>
<th></th>
<th>SERIAL</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.55</td>
<td>14.0</td>
</tr>
<tr>
<td>B</td>
<td>0.16</td>
<td>4.0</td>
</tr>
<tr>
<td>C</td>
<td>1.14</td>
<td>28.9</td>
</tr>
</tbody>
</table>

Magnified figure of terminal a

Magnified figure of terminal b

*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 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>
</tbody>
</table>

(Angle adjustment is not possible for forward/backward tilting installation.)

- **Orientation**
  - Angle adjustment (0-45° for both left and right)
  - Power Indicator
  - Landscape orientation
  - Portrait orientation

- **Tilting angle**
  - Forward tilting
    - Landscape orientation
    - Portrait orientation
  - Backward tilting
    - Landscape orientation
    - Portrait orientation