## Product Specification

### DISPLAY PANEL

- **Screen Size (Diagonal):** 42-inch (1064 mm)
- **Panel Type:** IPS / Edge-LED
- **Aspect Ratio:** 16:9
- **Effective Display Area (W x H):** 36.5" x 20.5" (927 x 521 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/G : BNC Contact Plug with sync 1.0 Vp-p (75 Ω)
- PB/CB/B : BNC Contact Plug without sync 0.7 Vp-p (75 Ω)
- PR/CR/R : BNC Contact Plug without sync 0.7 Vp-p (75 Ω)

#### AUDIO IN
- Stereo Mini Jack (M3) x 1 (Shared with VIDEO IN) 0.5 Vrms
- Stereo Mini Jack (M3) x 1 (Shared with COMPONENT IN) 0.5 Vrms
- Stereo Mini Jack (M3) x 1 (Shared with PC IN) 0.5 Vrms
- Stereo Mini Jack (M3) x 1 (Shared with DVI-D IN) 0.5 Vrms

#### SERIAL IN/OUT
- D-sub Spin x 1 / 1, RS-232C Compatible

#### LAN/DIGITAL LINK IN / OUT
- 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) 0.5 Vrms
- Stereo Mini Jack (M3) x 1 U/O Type A connector x 1 DC 5 V/1A (USB3.0 is not supported.)

#### USB
- USB 2.0 Type A connector x 1

*Due to the construction of terminal, some types of connecting cable or USB memory device cannot be used. Be sure to make confirmation with reference to the detailed drawing of terminal in page 4.

### SPEAKER

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

### ELECTRICAL

- **Power Requirements:** 110 - 127 V AC 50 / 60 Hz
- **Power Consumption:** 155 W
- **On Mode Average Power Consumption*:** 110 W
- **Power Off Condition:** approx. 0.3 W
- **Stand-by Condition:** approx. 0.5 W
- **Apparent power:** 165 VA

*Based on IEC 62087 Ed.2 measurement method.

### MECHANICAL

- **Dimensions (W x H x D):** 37.3" x 21.3" x 2.8" (947 x 541 x 72 mm)
- **Dimensions (W x H x D) (excluding trapezoid):** 37.3" x 21.3" x 2.3" (947 x 541 x 57 mm)
- **Weight:** approx. 33.7 lbs. (15.3 kg)
- **Bezel Color:** Black
- **Bezel Width:** 1/4" (6.3 mm)
- **Carton Dimensions (W x H x D):** 44.1" x 29.3" x 8.0" (1123 x 743 x 203 mm)
- **Gross Weight:** approx. 44.1 lbs. (20.0 kg)
- **Cabinet Material / Color:** Metal / Black
- **Pitch for Wall-Hanging:** VESA Compliance 7.9" x 7.9" (200 x 200 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 the tilt angle before installation.

### ENVIRONMENTAL

- **Temperature:**
  - Operating: -22°F to 104°F (-30°C to 40°C)
  - Storage: -4°F to 140°F (-20°C to 60°C)
- **Humidity:**
  - Operating: 20% to 80% (No condensation)
  - Storage: 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.

- This unevenness will disappear while applying current continuously. If not, consult the distributor.

### UPC Code

885170240261
42-inch Class FULL HD LCD Display

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
- DIGITAL LINK Power Management: Yes
- PC Power Management: Yes
- DVI-D Power Management: Yes
- Input Lock: Yes
- Mute 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 images.

STANDARD (CERTIFICATIONS)

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

REMOTE CONTROL TRANSMITTER

- Power Requirements: DC 3 V (2 x AAA Size batteries)
- Operating distance: approx. 23 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)

* When operated directly in front of receptor.

INCLUDED ACCESSORIES

- AC cord (79" (2.0 m))
- Remote Control
- Batteries (AAA size) x 2
- Clamper x 3
- Operating instruction book

OPTIONAL ACCESSORIES

- Pedestal Stand: TY-ST43PE8

DIMENSIONS

Cautions: This drawing is not a scale

Units: inches (mm)

7.4(186) 27.4(695.3) 2.6(65.7)

CONNECTION TERMINAL

* 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</th>
<th>Input format</th>
<th>DIGITAL LINK</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC/NTSC4.43/ PAL-M/ PAL-N/SECAM</td>
<td>720 x 480</td>
<td>15.73</td>
<td>59.94</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>525i (480i)</td>
<td>720 x 480</td>
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</tbody>
</table>

### Notes
- 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

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**Drawing of terminals**

View from back

Magnified figure of terminal b

Magnified figure of terminal a

Sectional view of terminal a

Terminal a
42LF8/80 Terminal (Bottom)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.67 (17.1)</td>
<td>0.68 (17.3)</td>
<td>0.74 (18.9)</td>
</tr>
<tr>
<td>0.6 (15.2)</td>
<td>0.56 (14.2)</td>
<td>0.62 (15.8)</td>
</tr>
</tbody>
</table>

Terminal b
42LF8/80 Terminal (Side)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.56 (14.2)</td>
<td>0.06 (1.5)</td>
<td>1.13 (28.7)</td>
</tr>
<tr>
<td>0.16 (4.0)</td>
<td>1.13 (28.7)</td>
<td>1.13 (28.7)</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 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

◆ Tilting angle

Forward tilting

- Landscape orientation
- Portrait orientation

Backward tilting

- Landscape orientation
- Portrait orientation