## Product specification

### DISPLAY PANEL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size (Diagonal)</td>
<td>54.6&quot; (1387 mm)</td>
</tr>
<tr>
<td>Panel Type</td>
<td>IPS / Direct LED</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Effective Display Area (W x H)</td>
<td>47.6&quot; x 26.7&quot; (1209 x 680 mm)</td>
</tr>
<tr>
<td>Number of pixels (H x V)</td>
<td>1920 x 1080 pixels</td>
</tr>
<tr>
<td>Brightness</td>
<td>500 cd/m² (typ.)</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1400:1</td>
</tr>
<tr>
<td>Dynamic Contrast</td>
<td>500000:1</td>
</tr>
<tr>
<td>Response Time</td>
<td>12ms (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

#### VIDEO IN
- BNC x 1 (Shared with COMPONENT Y/G)
- HDMI IN: HDMI Type A Connector x 2
  - Linear PCM
  - Sampling frequencies: 48 kHz/44.1 kHz/32 kHz
- COMPONENT/RGB IN: BNC x 1 (Shared with VIDEO IN)
  - Y/G : 1.0 Vp-p (75 Ω) with sync
  - Pb/Cb/B : 0.7 Vp-p (75 Ω) without sync
  - Pr/Cr/R : 0.7 Vp-p (75 Ω) without sync
- DVI-D IN: 24-pin x 1
  - Compliance with DVI Revision 1.0
  - Compatible with HDCP 1.1
- DVI-D OUT: 24-pin x 1
  - Compliance with DVI Revision 1.0
  - Compatible with HDCP 1.1
- PC IN: Mini D-Sub 15-pin (Compatible with DDC2B) x 1
- AUDIO IN 1: Stereo Mini Jack (M3) x 1 (Shared with DVI-D IN and PC IN)
- AUDIO IN 2: Stereo Mini Jack (M3) x 1 (Shared with COMPONENT / RGB IN and VIDEO IN)
- SERIAL IN/OUT: D-sub 5pin x 1 / RS-232C Compatible
- LAN IN: RJ45 x 1
- LAN IN / OUT: Stereo Mini Jack (M3) x 1 / x 1
- USB: Type A USB connector x 1

#### AUDIO
- EXT. SP: 8 Ω, 20 W [10 W + 10 W] (10% THD)

#### ELECTRICAL
- Power Requirements: 110-127V AC 50/60 Hz
- Power Consumption: 220 W
- Power Off Condition: approx. 0 W
- Stand-by Condition: approx. 0.5 W
- Apparent power: 120 VA

#### MECHANICAL
- Dimensions (W x H x D): 47.8" x 26.9" x 3.7" (1213 x 684 x 95 mm)
- Weight: approx. 66.1 lbs. (30 kg)
- Bezel Color: Black
- Bezel Width: L:10.088" (25.5 mm), R: 8.0049" (20.5 mm)
- Carton Dimensions (W x H x D): 60.8" x 38.3" x 11.9" (1544 x 973 x 301 mm)
- Gross Weight: approx. 86.0 lbs. (39 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 0.64" (16.3 mm))

#### INSTALLATION
- Orientation: Landscape / Portrait
- Tilt Angle: Vertical only

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

#### ENVIRONMENTAL
- Operating Environment:
  - Temperature: 32°F to 104°F (0°C to 40°C)*1
  - Humidity: 10% to 90% (No condensation)
- Storage Environment:
  - Temperature: -4°F to 140°F (-20°C to 60°C)
  - Humidity: 10% to 90% (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
- 885170259386
55-inch Class Ultra Narrow Bezel LCD Display

**MAIN FEATURE**

- Daisy Chain: DV-D*, RS-232C, IR
- Multi Screen**: Yes (N x M, up to 10 x 10)
- Failover/Failback: Yes
- 1:1 Pixel Mode: Yes
- Automatic Picture Position: Yes
- Screen Saver: Yes
- PC/DVI-D/HDMI Power Management: Yes
- Input Lock: Yes
- Button Lock: Yes
- Remocon User level: Yes
- Power ON Delay: Yes
- Bezel adjustment: Yes
- Function Group Setting: Yes
- User Memory Function: Yes
- ID Auto Setting: Yes (RS232C Daisy chain connection only)
- USB Media Player: Yes
- Operating Time**: 24h/7d
- Color Calibration: Done
- Early Warning Software compatible: Yes

**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)
- Weight: approx. 3.6 oz (102 g) including batteries
- Dimensions (W x H x D): 1.89" x 5.71" x 1.06" (48 x 145 x 27 mm)

**INCLUDED ACCESSORIES**

- AC cord (78.74" (2.0 m))
- Remote Control
- Batteries (AAA size) x 2
- Clamper x 3
- Operating Instruction Book
- DVI-D Cable
- IR Cable
- External IR Receiver
- Warranty Card (Mexico)

**OPTIONAL ACCESSORIES**

- Installation Mount: TY-VK55LV1
- Cover Frame Kit: TY-CF55VW50
- Early Warning Software: ET-SWA100**
- Video Wall Manager and Auto Display Adjustment Upgrade Kit: TY-VUK10**

**DIMENSIONS**

Cautions: This drawing is not a scale

Units: inches (mm)

**CONNECTION TERMINAL**

* Specifications and appearance are subject to change without notice.

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## List of correspondence signals

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

<table>
<thead>
<tr>
<th>Correspondence signal</th>
<th>Resolution(dot)</th>
<th>Horizontal(kHz)</th>
<th>Vertical(Hz)</th>
<th>Dot clock rate (MHz)</th>
<th>Input format</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/ 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 480</td>
<td>15.73</td>
<td>59.94</td>
<td>13.50</td>
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| List of correspondence signals

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

- **V**: VIDEO
- **R**: D-sub RGB
- **Y**: YCbCr/YPbPr
- **D**: DVI-D
- **H**: HDMI

*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