## Specifications

### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>TH-98LQ70L</th>
<th>TH-84LQ70L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size</td>
<td>98-inch</td>
<td>84-inch</td>
</tr>
<tr>
<td>Display Area</td>
<td>1860 x 1047 mm (73.2&quot; x 41.2&quot;)</td>
<td>1752 x 1008 mm (68.9&quot; x 39.8&quot;)</td>
</tr>
<tr>
<td>Resolution</td>
<td>3840 x 2160 pixels</td>
<td>2048 x 1152 pixels</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1800:1</td>
<td>1200:1</td>
</tr>
<tr>
<td>Dynamic Contrast Ratio</td>
<td>1300:1</td>
<td>900:1</td>
</tr>
<tr>
<td>Brightness (Typ)</td>
<td>1500 cd/m²</td>
<td>800 cd/m²</td>
</tr>
<tr>
<td>Response Time</td>
<td>8 ms (G to G)</td>
<td>10 ms (G to G)</td>
</tr>
<tr>
<td>Number of Pixels</td>
<td>650 W (U model), 620 W (W model)</td>
<td>250 W (U model), 240 W (W model)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>500000:1</td>
<td>500000:1</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>20 W [10 W + 10 W] (10% THD)</td>
<td>10 W + 10 W (10% THD)</td>
</tr>
<tr>
<td>Audio Out</td>
<td>2.1 ch (10 W + 10 W + 20 W)</td>
<td>2.1 ch (10 W + 10 W + 20 W)</td>
</tr>
<tr>
<td>Audio</td>
<td>100 BASE-TX, Compatible with PJLink™ (Shared with DIGITAL LINK)</td>
<td>100 BASE-TX, Compatible with PJLink™ (Shared with DIGITAL LINK)</td>
</tr>
<tr>
<td>LAN</td>
<td>RJ45 × 1</td>
<td>RJ45 × 1</td>
</tr>
<tr>
<td>DisplayPort In</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDMI In</td>
<td>2 (Up to 4K@50/60Hz)*1</td>
<td>2 (Up to 2K@50/60Hz)*1</td>
</tr>
<tr>
<td>DVI-D In / Audio In (L/R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio Input</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC In / Audio In (L/R)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protective Glass</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2233 × 1288 × 122 mm (87.9&quot; × 50.7&quot; × 4.8&quot;)</td>
<td>1949 × 1141 × 99 mm (76.7&quot; × 44.9&quot; × 3.9&quot;)</td>
</tr>
<tr>
<td>Weights and Dimensions</td>
<td>136.0 kg (299.9 lbs.)</td>
<td>108.0 kg (238.1 lbs.)</td>
</tr>
</tbody>
</table>

### Installation Requirement

- Tilting Angle: 10 degrees with landscape setting and 5 degrees with portrait setting
- Temperature: 0°C to 40°C
- Humidity: 20% to 80% (Non condensation)
- Altitude: 0~2400 m (7874 ft)*3

### Environmental

- Operating Environment:
  - Temperature: 0°C to 35°C (32°F to 95°F)
  - When using the unit where it is 1400 m (4593 ft) and higher and below 2400 m (7874 ft) above sea level, make sure to set to [ON].

### Optional Accessories

- Ceiling-hanging Bracket
- Pedestal
- Mobile Stand
- Digital Interface Box
- DIGITAL LINK Switcher
- Terminal Board
- Wall-hanging Bracket
- Pedestal
- Mobile Stand
- Digital Interface Box
- DIGITAL LINK Switcher
- Terminal Board

### Note

- Actual resolution: 2160p
- Tilt angle limited to 10 degree maximum.
- *Require 2 boards for 4K/60p

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**For more information about Panasonic Professional Displays, please visit:**

[www.youtube.com/PanasonicProDisplay](https://www.youtube.com/PanasonicProDisplay)

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**CT35G01PF-LQ** Printed in Japan.
Panasonic’s LQ70 Series of 4K UHD LCD displays employ 4K picture quality for edgy, intricately detailed, large-screen images. They literally fill the screen with dynamic, large-scale pictures. And unique video technologies accumulated from Panasonic’s development of projectors and broadcast monitors deliver images with high precision and faithful color reproduction.

**High Durability & Reliability**

Rugged and dependable for public display use.

**Designed with Rugged Durability for Professional Use**

The LQ70 Series has protective glass with 3.5J* impact resistance on the front of the display, which is strong enough to withstand external impacts. This rugged design allows safe installation in places where many people walk by, such as train stations, airports, and shopping malls.

- No Crash!
- Special latticed frame resists twisting
- 3.5J
- Protective glass resists impacts

*This value is from a Panasonic test. It does not imply a guaranteed value.

**Portrait Installation Capability**

When the LQ70 Series is installed vertically, it can display a person in almost life-size dimensions. It is ideal for digital signage use because it faithfully reproduces the textures and colors of a model’s clothing and accessories. It helps to maintain a high-quality brand image. Vertical installation also has no effect on the behavior of the panel.

**Enables Continuous 24/7 Operation**

In addition to being impact resistant, the LQ70 Series is capable of constant, 24/7 operation. It offers reliable use in public spaces where many people gather, such as train stations, airports, and shopping malls, as well as in control rooms. It is also equipped with a variety of input/output terminals for versatile applications.

**Portrait Installation Capability**

When the display is installed in a high location, it can be set to tilt forward. This makes signage easier to see in shops with high ceilings.

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A 4K display panel can be set up to operate with perfect picture quality even if it is left on for a long time.

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Specify on hexagonal frame mounting.

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**Excellent 4K Image Quality**

Ideal for applications that require faithful color reproduction.

**Panasonic 4K Quality Right Down to the Details**

With approximately 8,290,000 pixels, or about four times the pixels of a Full-HD display, images are highly detailed. This dynamic, four times the pixels of a Full-HD display, achieves true-to-life, finely nuanced images. With Approximately 8,290,000 Pixels, or About Four Times the Pixels of a Full-HD Display, Images are Highly Detailed. This Dynamic, Four Times the Pixels of a Full-HD Display, Achieves True-to-Life, Finely Nuanced Images.

**High Color Reproduction**

The color space on LCD displays tends to narrow when the luminance level drops, which was difficult with conventional models. In addition, it compensates for the shift of intermediate shades of extremely fine complementary colors (CMY). This keeps the accuracy of the intermediate colors when the luminance level drops, reducing the luminance level in the intermediate colors.

**Non-4K Sources Are Also Beautifully Compensated**

Panasonic's new-generation image processing technology (Detail Clarity Processor) also reproduces non-4K image content, such as Full-HD, HD and PC signals, with high picture quality. In addition, it compensates for minute shifts in intermediate colors, maintains contrast, and reduces cross-talk. The color space on LCD displays tends to narrow when the luminance level drops, which was difficult with conventional models. In addition, it compensates for the shift of intermediate shades of extremely fine complementary colors (CMY). This keeps the accuracy of the intermediate colors when the luminance level drops, reducing the luminance level in the intermediate colors.

**Easy Installation**

For both first-time purchases and replacements. Ideal for Wide Expandability.

**Designed for easy transportation and installation**

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**Existing plasma display mounting fixtures can be used**

Existing plasma display mounting fixtures can be used.

**Capable of 4-Input Multi Display with no processor required**

The 4K Plasma features a new Multi Display function. The image can be switched from a Full-screen display to a Multi Display with a single press of a remote control button. Ideal for checking details in various applications, such as surveillance monitoring, videoconferences, digital signage, and surveillance monitoring.

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High Color Reproduction
(3D-LUT & 6-Axis Color Correction)
Complementary colors (CMY). This keeps three primary colors (RGB) and their processing to balance the six axes of the coordinate correction. Six-axis (RGB/CMY) color correction. 3-axis (RGB) color correction.

Excellent 4K Image Quality
Ideal for applications that require faithful color reproduction.
SLOT NX Versatile 4K Input

The new SLOT NX makes it possible to change the interface to match the application. If the optional 3G-SDI Terminal Board is mounted, the LQ70 Series can be connected with SDI. This feature is convenient for use in broadcasting stations, for rental use, and for long-distance connection. The LQ70 Series is expandable and will accommodate 4K input in the future.

**OTHER FEATURES**

**Built-in Speaker**

The high-resolution screen is designed for fine text in airport flight displays and train schedules. The rugged design also provides excellent durability.

**Local dimming function**

The backlight intensity of particular parts of the displayed image can be adjusted to create a more comfortable viewing experience.

**Frame Creation**

A new frame is created and inserted between the frames that make up the image, to achieve greater smoothness. This gives you more beautiful moving images.

**Brightness Sensor for ECO**

The backlight intensity is automatically adjusted according to the viewing environment. This helps to reduce power consumption.

**Input search**

When a signal is detected, another input with a signal is automatically selected.

**Early Warning Software Compatibility**

System and ET-SWA100 Early Warning Software helps you check the status of system equipment with a tablet or PC located at a distance from the monitoring server. This helps to quickly solve any problems that might occur.

**Superb durability and easy installation allow for safe and secure use in events. High-quality images and a large screen presence make for the best of excitement. Real-time presentation is also achieved by suppressing the delay time from input to display.**

**Public information**

The high-resolution screen is designed for fine text in airport flight displays and train schedules. The rugged design also provides excellent durability.

**Store signage**

Product details mandatories are very long or 4K. The outstanding expression of the large display effectively captures attention.

**Control rooms**

Broadcast studios

Meeting rooms

**A wide range of professional applications**

System Expandability

Ideal for use in a wide range of systems.

The new SLOT NX makes it possible to change the interface to match the application. If the optional 3G-SDI Terminal Board is mounted, the LQ70 Series can be connected with SDI. This feature is convenient for use in broadcasting stations, for rental use, and for long-distance connection. The LQ70 Series is expandable and will accommodate 4K input in the future.
SLOT NX Versatile 4K Input

The new SLOT NX makes it possible to change the interface to match the application. If the optional 3G-SDI Terminal Board is mounted, the SLOT NX can be connected with SGI. This feature is convenient for use in broadcasting stations, for rental use and for long-distance connection. The SLOT NX is expandable and will accommodate all input in the future.

A wide range of professional applications

- **Public information**
  - The high-resolution screen is ideal for fine text in airport flight displays and train schedules. The rugged design also provides excellent durability.

- **Store signage**
  - The backlight brightness is automatically adjusted according to the viewing environment. Can reduce power consumption.

- **Control rooms**
  - The LQ70 Series comes standard equipped with HDMI and DisplayPort terminals that support video signals. 3G-SDI connection of SGI signals is also possible with optional 3G-SDI Terminal Board and DIGITAL LINK. DIGITAL LINK compatibility also enables video, audio, and control signals to be sent via a LAN cable. These DWX-compatible terminals prepare the LQ70 for the 4K environment of the future.

- **Broadcast studios**
  - Requires a new frame is created and inserted between the frames that make up the image, to achieve greater smoothness. This gives you more beautiful moving images.

- **Meeting rooms**
  - The new SLOT NX makes it possible to change the interface to match the application. If the optional 3G-SDI Terminal Board is mounted, the SLOT NX can be connected with SGI.
## SPECIFICATIONS

### Operating Environment

<table>
<thead>
<tr>
<th>Unit</th>
<th>Temp:</th>
<th>Humidity:</th>
<th>Altitude:</th>
</tr>
</thead>
<tbody>
<tr>
<td>U model</td>
<td>0°C to 35°C (32°F to 95°F)</td>
<td>20% to 80% (Non condensation)</td>
<td>0~2400 m (7874 ft)*3</td>
</tr>
<tr>
<td>W model</td>
<td>0°C to 35°C (32°F to 95°F)</td>
<td>20% to 80% (Non condensation)</td>
<td>1400 m (4593ft) and higher</td>
</tr>
</tbody>
</table>

### Tilting Angle

- Landscape: 10 degrees
- Portrait: 5 degrees
- Landscape/Portrait: YES

### Orientation

- Landscape
- Portrait

### Installation Requirement

- Protective Glass

### Protective Glass

- TH-98LQ70L/TH-84LQ70L Series models without protective glass are also available. For details, please contact your nearest dealer.

### Dimensions (W×H×D)

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-98LQ70</td>
<td>2233 × 1288 × 122 mm (87.9” × 50.7” × 4.8”)</td>
</tr>
<tr>
<td>TH-84LQ70</td>
<td>1949 × 1141 × 99 mm (76.7” × 44.9” × 3.9”)</td>
</tr>
</tbody>
</table>

### Weight

- Approx. 136.0 kg (299.9 lbs.)
- Approx. 108.0 kg (238.1 lbs.)

### Dimensions (W×H×D) (mm) Unit

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-98LQ70</td>
<td>W2159 × H1214</td>
</tr>
<tr>
<td>TH-84LQ70</td>
<td>W1860 × H1047</td>
</tr>
</tbody>
</table>

### Screen Size (Diagonal)

- 98-inch
- 84-inch

### Panel Type

- IPS / Direct-LED
- IPS / Edge-LED

### Display Panel

- TH-98LQ70: 3840 × 2160 pixels
- TH-84LQ70: 2560 × 1440 pixels

### Viewing Angle (Horizontal/Vertical)

- 178° / 178°

### Response Time

- 12 ms (G to G)

### Dynamic Contrast Ratio

- 3800:1
- 1300:1

### Brightness (Typ)

- 500 cd/m²
- 384 cd/m²

### Number of Pixels (H×V)

- TH-98LQ70: 3840 × 2160 pixels
- TH-84LQ70: 2560 × 1440 pixels

### Effective Display Area (W×H)

- TH-98LQ70: 1860 × 1047 mm (73.2” × 41.2”)
- TH-84LQ70: 1599 × 903 mm (62.9” × 35.5”)

### Aspect Ratio

- TH-98LQ70: 16:9
- TH-84LQ70: 16:9

### Panel Type

- IPS / Direct-LED
- IPS / Edge-LED

### Screen Size (Diagonal)

- 98-inch
- 84-inch

### Production Details

CT15-G01PF-LQ Printed in Japan.

### Optional Accessories

- **Terminal Board**
  - 3G-SDI Terminal Board
    - TY-WK103PV9 (for 98-inch model)
    - TY-WK85PV12 (for 84-inch model)
  - 4K/60p Terminal Board
    - TY-ST103PF12 (for 98-inch model)
    - TY-ST85P12 (for 84-inch model)
  - 4K/50p Terminal Board
    - TY-ST75PF10 (for 98-inch model)
    - TY-ST65P10 (for 84-inch model)

- **Ceiling-hanging Bracket**
  - TY-CE85PS12 (for 84-inch model)
  - TY-CE103PS10 (for 98-inch model)

- **Pedestal**
  - TY-TBN03G
  - TY-CE85PS1 (for 84-inch model)
  - TY-CE103PS1 (for 98-inch model)

- **Wall-hanging Bracket**
  - TY-WK103PV9 (for 98-inch model)
  - TY-WK85PV12 (for 84-inch model)

- **Mobile Stand**
  - TY-MS34PS
  - TY-MS34PS1 (for 103-inch model)

- **3G-SDI Terminal Board**
  - TY-3GSD-03PS12 (for 84-inch model)
  - TY-3GSD-03PS10 (for 98-inch model)

- **DIGITAL LINK Switcher**
  - ET-YFB100G

- **Digital Interface Box**
  - ET-YFB200G

For more information about Panasonic Professional Displays, please visit:

- [Panasonic Professional Display Global Website](https://www.panasonic.net/prodisplays)
- [YouTube](https://www.youtube.com/PanasonicProDisplay)

All information included here is valid as of July 2015.