

■ Specifications

Model no.	TH-98SQ1	TH-86SQ1
<b>DISPLAY PANEL</b>		
Screen size/Aspect ratio	98-inch [2477 mm]/16:9	86-inch [2174 mm]/16:9
Panel type/Backlight	IPS/ Direct LED	IPS/ Edge LED
Effective Display Area [W x H]	2158.8 x 1214.3 mm [84.9" x 47.8"]	1895.0 x 1065.9 mm [74.6" x 41.9"]
Resolution [H x V]	3840 x 2160	3840 x 2160
Brightness [Typ]	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio	1300:1	1200:1
Dynamic Contrast Ratio	50000:1	50000:1
Response Time	8 ms [G to G]	8 ms [G to G]
Viewing Angle [Horizontal/Vertical]	178°/178° [CR ≥10]	178°/178° [CR ≥10]
Panel Surface Treatment	Anti-Glare [Haze28%]	
<b>TERMINAL</b>		
HDMI In	HDMI TYPE-A Connector x 2	
DVI-D In	DVI-D 24-pin x 1	
Audio In (L/R)	Stereo Mini Jack [M3] x 2 [Shared with PC In]	
PC In	Mini D-sub 15-pin x 1 [Female]	
Audio In (L/R)	Stereo Mini Jack [M3] x 2 [Shared with DVI-D In]	
DisplayPort In	DisplayPort x 1	
DisplayPort Out	DisplayPort x 1	
USB	USB Connector (TYPE-A) x 2, DC 5 V/2 A, DC 5V/1A (USB 3.0 Supported)	
Serial	D-sub 9-pin x 1 RS232C Compatible	
LAN	RJ45 x 1, 10 BASE-T / 100 BASE-TX, Compatible with PLink™	
DIGITAL LINK	RJ45 x 1, 100 BASE-TX, Compatible with long reach mode and PLink™	
SLOT	Intel® SDM specification Corresponding size SDM-S / SDM-L, Supply power 3.3 V / 1.1 A, 12 V / 5.5 A	
IR Transmitter In/Out	Stereo Mini Jack [M3] x 1 / x 1	
Audio Out	30 W (15 W + 15 W) 10% THD	
<b>AUDIO</b>		
Built-in Speaker	20 W (10 W + 10 W)	
<b>ELECTRICAL</b>		
Power Requirements	110-127 V AC, 50/60 Hz, 220-240 V AC, 50/60 Hz	
Power Consumption	685 W	480 W
Power off Condition	Approx. 0.3 W	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W	Approx. 0.5 W
<b>MECHANICAL</b>		
Dimensions [W x H x D]	2194 x 1249 x 90 mm [86.4" x 49.2" x 3.5"]	1928 x 1099 x 86 mm [75.9" x 43.3" x 3.4"]
Weight	Approx. 90.0 kg [198.5 lbs.]	Approx. 66.0 kg [145.5 lbs.]
Carton Size [W x H x D]	2513 x 1704 x 450 mm [98.9" x 67.1" x 17.7"]	2224 x 1427 x 373 mm [87.6" x 56.2" x 14.7"]
Gross Weight	Approx. 138.0 kg [304.3 lbs.]	Approx. 89.0 kg [196.3 lbs.]
Bezel Width	16.0 mm [0.63"] [T/B/L/R]	15.2 mm [0.6"] [T/B/L/R]
Pitch for Wall-Hanging	800 x 500 mm [31.5" x 19.7"] VESA Compliant	600 x 400 mm [23.6" x 15.8"] VESA Compliant
<b>INSTALLATION REQUIREMENT</b>		
Orientation	Landscape/Portrait*1 [Angle adjustment is not possible for portrait installation.]	
Tilting Angle*2	0-20 degrees forward/backward with landscape/portrait setting	
Operating Time*3	24 h/day	
<b>ENVIRONMENT</b>		
Temperature	0 °C to 40 °C [32°F to 104°F] Altitude 0-1400 m [4593 ft]/0 °C to 35 °C [32 °F to 95 °F] Altitude 1400 -2800 m [4593 ft to 7874 ft]	
Humidity	20% to 80% [Non-condensation]	

\*1: When mounting portrait setting, be sure that the power indicator comes to the right side. \*2: Please contact your sales representative with regard to the tilt angle before installation. \*3: In case of 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.

Options

Wall-hanging Bracket

TY-WK98PV1



Digital Interface Box

ET-YFB100G

\*Not compatible with 4K signals.



DIGITAL LINK Switcher

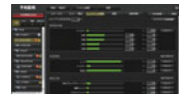
ET-YFB200G

\*Not compatible with 4K signals.



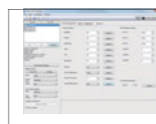
Early Warning Software\*1

ET-SWA100 series\*2



Auto Display Adjustment Upgrade Kit

TY-VUK10\*3



Content Management Software (free)



Multi Monitoring & Control Software (free)



You can remotely control and monitor the system with a web browser on a notebook PC or tablet device.

\*1: Multi Monitoring & Control Software Ver.2.0 or higher is required.

\*2: Part number suffix may differ depending on the license type.

\*3: Download the latest Video Wall Manager from global website in advance. ( <https://panasonic.net/cns/prodisplays/download/software/vwm/> )



Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. Trademark PLink is a trademark applied for trademark rights in Japan, the United States of America and other countries and areas. All other trademarks are the property of their respective trademark owners. Images on screen are simulated. © 2018 Panasonic Corporation. All rights reserved



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All information included here is valid as of December 2018.

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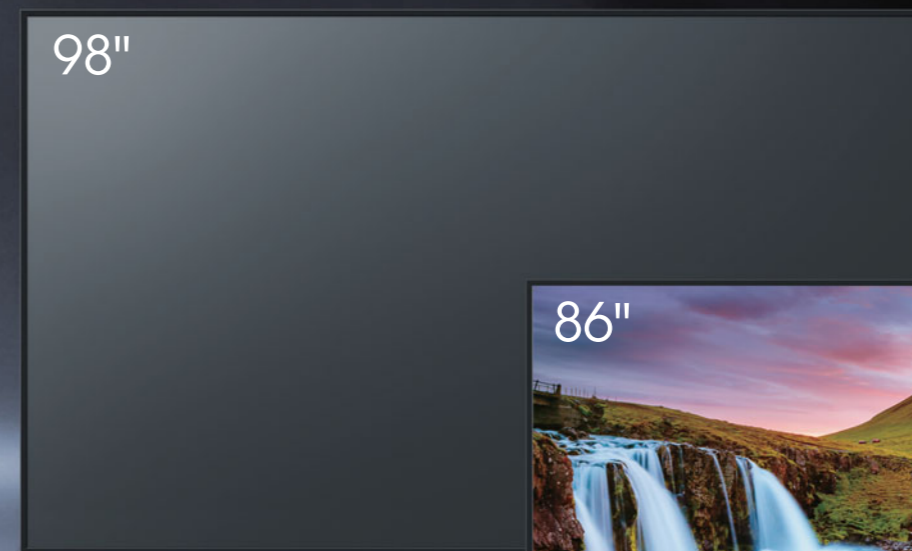
# Panasonic

## BUSINESS

4K UHD LCD Displays

December 2018

Large 4K Indoor Display Adds Powerful Features for Pro Users in a Lightweight Slim & Stylish Design



98-inch class **TH-98SQ1**  
86-inch class **TH-86SQ1**

\* Actual resolution: 3840 x 2160p

## Standard Large-Screen Displays for Use in Stores and Meeting Rooms, and as Public Signage.



\*Actual Resolution: 3840 x 2160p

Model No.	TH-98SQ1	TH-86SQ1
Screen size	98-inch	86-inch
Brightness (Typ)	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast	1300:1	1200:1
LCD Panel / Backlight	IPS / Direct LED	IPS / Edge LED
Resolution (H x V)	3840 x 2160	3840 x 2160

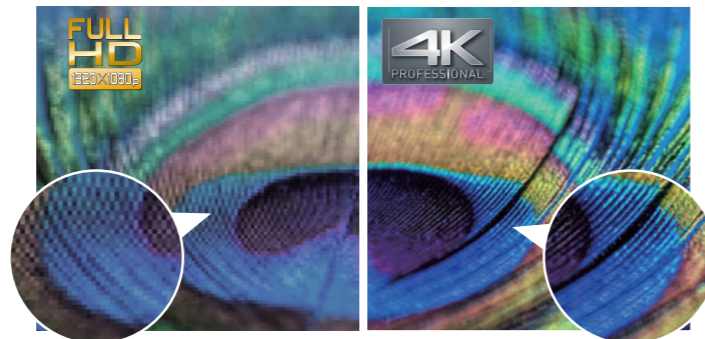


TH-98SQ1 TH-86SQ1

## 4K High Image Quality

### Stunning 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, large-screen display archives true-to-life, finely nuanced images. The 4K display is an excellent choice for meeting rooms where images are often viewed up close, and creates impressive ambience in signage applications for commercial facilities. It can be expected to attract considerable attention.



### Easy Display of Images Optimized for the Display Content

Conventional display panels are preset with display modes such as Standard and Dynamic. The SQ1 Series comes with an extensive display menu to let you select the most suitable mode for the content to be displayed and the viewing environment. You can select the best mode for the video source and the place of display.

\* Although the term "DICOM" is used, this product is not medical equipment. Do not use displayed images for medical purposes such as examination or diagnosis.



## Supports HDR and BT.2020 Emulation **NEW**

The SQ1 Series supports HDR (High Dynamic Range) (PQ and HLG). Image reproduction is stunning, from deepest black to sparkling bright highlights. Additionally, they have emulation mode for BT.2020. This enables an emulation display to support the wide color gamut of the ITU-R BT.2020 standard.

\* The SQ1 Series shifts the color balance of the displayed image to correspond with the BT.2020 color gamut.

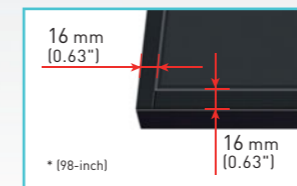
Features that achieve high image quality >>

- 12-axis color management achieves faithful color reproduction **NEW**
- IPS panel with a wide viewing angle and reduced color changes
- 4K60P signal compatible interfaces that support a wide range of systems

## Slim & Stylish Design

### A Stylish and Slim Design Accentuates the Image

The narrow bezel renders higher-impact images, further enhancing the 4K picture quality. Without being distracted by the bezel, the viewer becomes immersed in the eye-catching image.

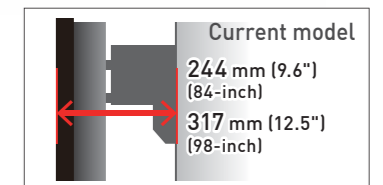
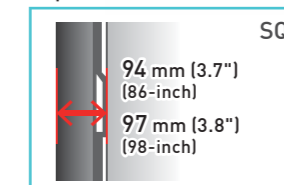


### A thin design that focuses on safety **NEW**

The depth of the TH-98SQ1 is only 90 mm (3.5"). The depth of the TH-86SQ1 is slim when installed using the separately sold, exclusive wall-mounting bracket (TY-WK98PV1), which complies with ADA Compliant<sup>1</sup>. The display can be installed to blend into spaces such as crowded passageways or conference rooms without having to worry about an irregular shape getting in the way.

\* The availability of the TY-WK98PV1 varies depending on the country.  
<sup>1</sup> ADA stands for the "Americans with Disabilities Act," a United States law made to protect people with disabilities from discrimination.

#### Depth at wall installation



Each is within 4 inches.

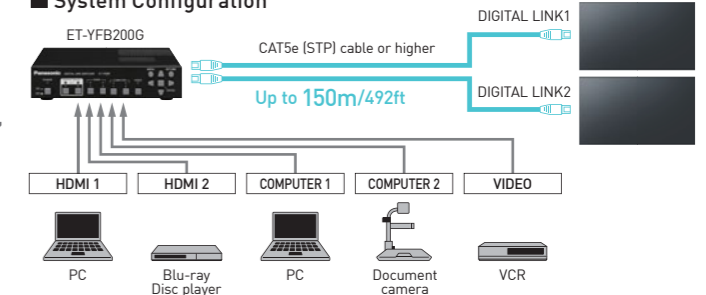
## Wide Expandability

### DIGITAL LINK Function Enables Simple Installation and Low System Costs

Based on HDBaseT™ technology, DIGITAL LINK supports transmission of video, audio, and control commands through a single CAT5e or higher STP cable for distances of 150 m (492 ft) for Full HD video and 50 m (164 ft) for 4K\* video. An optional DIGITAL LINK Switcher or Digital Interface Box further simplifies installation in large venues while reducing cost and improving reliability.

\* ET-YFB200G/YFB100G is not compatible with 4K signals. 150 m (492 ft) transmission available only with ET-YFB200G DIGITAL LINK Switcher for signals up to 1080/60p in Long Reach Mode.

#### System Configuration



### The Display Has a Built-in 4K Compatible USB Media Player

By simply inserting a USB memory stick onto which content has been saved, playback automatically starts. Since it is 4K compatible, it easily provides 4K digital signage without having to use a PC or set-top box. Content can be consecutively played\* without letterboxing. Content can also be switched via LAN or multiple displays can be operate.

#### Applicable Format

Still image	JPG, JPEG, JPE, BMP
Motion image	AVI, MKV, ASF, WMV, TS, MTS, MP4, MOV, FLV

\* Some files cannot be played back even if they are in the supported format. Regarding restrictions, see the operation manual.

### Supports the Next-Generation Intel® SDM Specification Slot Standard **NEW**

The SQ1 Series is equipped with the new Intel® SDM specification slot standard that supports 4K signals. Combined with the interface board, you can easily use a built-in PC and add various interfaces.



Yet more features >>

- Operates continuously for 24/7
- 4K/60p-ready daisy-chaining via DisplayPort™ In/Out terminals **NEW**
- Supports tilting angle orientation
- Cloning Function (USB/LAN)
- USB Memory Network Settings
- LAN terminal and DIGITAL LINK terminal equipped
- Content Management Software (free)
- Early Warning Software (for a fee)
- HDMI-CEC Function
- Failover/Failback
- Built-in speaker
- External speaker output equipped