



High-brightness 4K Professional Displays Offer Excellent Visibility, Superior Reliability and Built-in Expandability.

■ Main Features



Actual resolution: 3840 x 2160p

01 | Excellent Visibility in Bright Environments

SQ1H Series incorporates a panel with high brightness and wide viewing angle so it clearly displays high-resolution images even in a location brightly lit by outside light. SQ1H Series supports the HDR (PQ, HLG), which expresses the light and dark areas of images accurately and the 12-Axis Color Management, which reproduces intended colors faithfully. The Auto Brightness Adjustment function changes the displayed image brightness automatically according to the location's light condition detected by an ambient sensor.

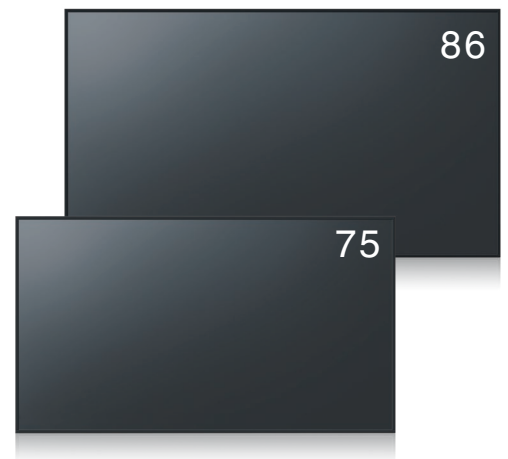
02 | Easy Installation and Consistent Reliability

SQ1H Series comes with a display panel for commercial applications to ensure reliable, 24-hour continuous operation. SQ1H Series operates stably for many hours without any degradation in picture quality. Furthermore, it can be mounted in portrait orientation. With a product depth no more than 4 inches (10 cm)*, this ultra thin design enables effective use of a space in a meeting room.

* When the dedicated wall hanging bracket, TY-WK98PV1, is used. The availability may vary by country or region.

03 | Built-in System Expandability

SQ1H Series displays support Intel's next-generation SDM specification, providing exceptional interface expandability. Standard features such as 4K DIGITAL LINK, USB Media Player and daisy-chain connection facilitates simple installation and easy set-up, especially when the SQ1H display will be used for digital signage applications.



	TH-86SQ1H	TH-75SQ1H
Screen Size	86-inch class	75-inch class
Brightness	1200 cd/m ²	1500 cd/m ²
Contrast	1200:1	
Resolution	4K (3840 x 2160)	

High Brightness for excellent visibility

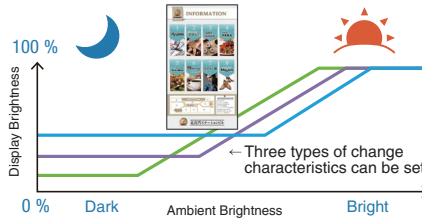
While ordinary commercial displays offer brightness at about 500 cd/m², the TH-75SQ1H Series display provides 1500 cd/m² while the TH-86SQ1H Series display provides 1200 cd/m² for crisp, clear images in a brightly lit environment.



Auto Brightness Adjustment function for efficient display operation

SQ1H Series automatically adjusts the screen brightness according to the ambient light condition. The display adjusts the brightness linearly to keep the images displayed as natural as possible. Backlight brightness can also be selected from three levels, so brightness can easily be adjusted.

** The graph is for illustration purposes only. Actual change in brightness is different from the graph.*



** The images and graph are for illustration purposes only. It may be different from the actual brightness change.*

Supports Intel® SDM Specification Slot Standard

SQ1H Series is equipped with the Intel® SDM specification slot standard that supports 4K signals. Combined with the interface board, various interfaces can easily be added.



Specifications ** Design and specification subject to change without notice.*

Model		TH-86SQ1H	TH-75SQ1H
Display Panel	Panel size	86-inch (2174.2 mm)	75-inch (1892.7 mm)
	Aspect ratio	16:9	
	Effective display area (W x H)	1895.0 x 1065.9 mm (74.60" x 41.96")	1649.6 x 927.9 mm (64.94" x 36.53")
	Resolution	3840 x 2160	
	Brightness (typ.)	1200 cd/m ²	1500 cd/m ²
	Contrast ratio	1200:1	
	Dynamic contrast ratio (typ.)	50000:1	
	Response time (typ.)	8.0 ms (G to G)	10.0 ms (G to G)
	Viewing angle [(T/B)/(L/R)]	178° / 178° (CR>10)	
	Panel Surface Treatment	Anti-glare low reflection (Haze 3%) and Hard coating: 2H	Anti-glare type (Haze 1%) and Hard coating: 3H
	Terminals	HDMI In	HDMI Type A Connector x 2, 4K Compatible (HDCP2.2)
DVI-D In		DVI-D 24-pin x 1 (DVI Revision 1.0 compliant), HDCP 1.1 compatible	
DisplayPort In/Out		DisplayPort x1 (HDCP2.2) / x 1 (HDCP 1.4)	
USB		USB Connector TYPE-A x 2 (DC 5V / MAX 2A, DC 5V / MAX 1A Compatible), (USB 3.0 is supported)	
Serial In		D-sub 9-pin x 1 RS232C Compatible	
LAN		RJ45 x 1 compatible with PLink™ RJ45 10BASE-T/100BASE-TX	
DIGITAL LINK / LAN		RJ45 x 1 compatible DIGITAL LINK For connection PLink™, RJ45 x 1 100BASE-TX, compatible with Long reach mode (HDCP2.2)	
IR In/Out		Stereo Mini Jack (ø 3.5 mm) x 1 / x 1	
Audio In		Stereo Mini Jack (ø 3.5 mm) x 1 0.5V [rms] (Shared each video input except USB and MEMORY VIEWER)	
Audio Out		Stereo Mini Jack (ø 3.5 mm) x 1 0.5V [rms], Variable (-∞ ~ 0 dB) (1 kHz 0 dB Input, 10 kΩ Load)	
Sensor		4-pole sub-mini Jack (ø 2.5 mm) x 1	
Slot		Intel® SDM specification Corresponding size SDM-S / SDM-L, Supply power 3.3 V/Max 1.1 A, 12 V/Max 5.5 A	
Audio		Built-in speaker	20 W [10 W + 10 W]
	External speaker out	30 W [15 W + 15 W] (10% THD)	
Electrical	Power requirements	AC110-240V, 50 Hz / 60 Hz	
	Power consumption	730 W	720 W
	On Mode Average Power Consumption ¹	599 W	586 W
	Power off condition	Approx. 0.3 W	
	Standby condition	Approx. 0.5 W	
Mechanical	Dimensions (W x H x D) Including handles	1929 x 1100 x 96 mm (75.95" x 43.31" x 3.75")	1684 x 962 x 96 mm (66.28" x 37.86" x 3.75")
	Weight	Approx. 57.8 kg (127.4 lbs)	Approx. 42.2 kg (93.0 lbs)
	Bezel width	15.5 mm (0.61") (T/R/L/B)	14.9 mm (0.59") (T/R/L/B)
	Wall-hanging pitch	VESA Compliant 600 x 400 mm (23.7" x 15.8") M8	
Installation Environment ²	Orientation	Landscape/Portrait	
	Tilting angle	Landscape setting: 0 - 20 degrees forward, Portrait setting: 0 - 20 degrees forward	Landscape setting: 0 - 20 degrees forward / backward, Portrait setting: 0 - 20 degrees forward / backward
	Operating time ³	24 h/day	
Environment	Operating environment	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 9186 ft)	
	Temperature Humidity	20-80 % (Non condensation)	

¹: Based on IEC 62087 Ed.2 measurement method. 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.

Optional Accessories

• **3G-SDI Terminal Board**
TY-SB01SS

• **Wireless Presentation System Receiver Board**
TY-SB01WP

• **Early Warning Software¹**
ET-SWA100/105 Series²

¹: Multi Monitoring & Control Software ver.2.1 or later required.
²: Part number suffix may differ depending on the license type.

Panasonic CONNECT



For more information about Panasonic Professional Displays, please visit:

Display Global Website – panasonic.net/cns/prodisplays
YouTube – www.youtube.com/user/PanasonicProDisplay

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.

All information included here is valid as of April 2022.

SQ1HPRE2 Printed in Japan.

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