



65-inch Class 4K UHD LCD TV

## TH-65SQ3W

TENTATIVE

### Product specification (design and specification subject to change without notice)

#### ■ DISPLAY PANEL

Screen Size (Diagonal)	64.52-inch (1638.9 mm)
Panel type / Backlight	ADS / Direct-LED
Aspect ratio	16:9
Effective Display Area (W x H)	56.23" x 31.63" (1428.4 x 803.5 mm)
Resolution (H x V)	3840 x 2160
Brightness (Typ)	500 cd/m <sup>2</sup>
Contrast Ratio (Typ)	1200:1
Dynamic Contrast Ratio	50000:1
Max. Display Colors	Approx. 1.07 Billion
Response Time (Typ)	8.0 ms
Viewing Angle (Horizontal / Vertical)	178° / 178° (CR>10)
Panel Life Time <sup>1</sup> (Typ)	Approx. 50000 hours
Panel Surface Treatment	Anti-glare type (Haze 25%)

1 When the panel lifetime is at 50% of the brightness under the condition of 25 degrees Celsius (+/- 2 degrees Celsius).

2 The LCD panel is made with high-precision technology, but there may be dots that are always lit or dots that are not lit on the display screen. This is not a malfunction, so note that. The percentage of missing dots in this product is 0.00005% or less. (Calculated in sub-pixel units according to ISO09241-307 standards.)

#### ■ CONNECTION TERMINAL

HDMI IN	HDMI™ Type A Connector x 3	Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz) Compatible with HDCP 2.2
PC IN	Mini D-Sub 15-pin (DDC2B) x 1	RGB : without sync 0.7 V [p-p] (75 Ω) HD/VD : TTL (high impedance)
SERIAL IN	External control terminal D-sub 9pin x 1 (Male), RS-232C	Compatible
AUDIO IN	Stereo Mini Jack (Φ3.5 mm) x 1	0.5 V [rms]
AUDIO OUT	RCA Pin Jack x 2	Output: 0.5Vrms + 10%, with T.H.D. < 10%@1kHz.
LAN	RJ45 x 1 RJ45 10BASE-T/100BASE-TX	
USB	USB Type A Connector x 1, DC 5 V/2 A (USB 2.0 is supported)	

#### ■ AUDIO

Built in Speaker	20W (10W+10W)
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#### ■ ELECTRICAL

Power Requirements	AC110-240 V 50 Hz/60 Hz 2.5-x.x A
Power Consumption	(T.B.D.) (Shipping Condition)
On Mode Average Power Consumption <sup>1</sup>	(T.B.D.) (Picture Mode: (T.B.D.))
Power Off Condition	Approx. 0.3 W
Stand-by Condition	Approx. 0.5 W
Apparent power	(T.B.D.)
Energy efficiency class for Europe	

1 Based on IEC 62087 Ed.2 measurement method

#### ■ MECHANICAL

Dimension (W x H x D) including handles	57.58" x 32.97" x 3.68" (1463 x 838 x 94 mm)
not including handles	57.58" x 32.97" x 2.72" (1463 x 838 x 69 mm)
Weight	(T.B.D.) Approx. 27.1 kg (59.8 lbs)
Bezel Color	Black
Bezel Width	T/R/L/B 0.59" (14.9 mm)
Carton Dimensions (W x H x D)	63.63" x 39.30" x 7.37" (1616 x 998 x 187 mm)
Gross Weight	(T.B.D.) Approx. 37 kg (81.6 lbs)
Cabinet Material	Bezel, Back cover: Metal
Pitch for Wall-Hanging	VESA Compliant 15.8" x 15.8" (400 x 400 mm) (Installed by: M8 screws / Screw hole depth:0.79" (20 mm)) (T.B.D.)

#### ■ INSTALLATION

Orientation	Landscape / Portrait
Tilting Angle	Landscape / Portrait installation 0 - 20 degrees forward / backward

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

2 When you install the product upright, be sure to make the power lamp of the main body come to the upper side.

3 The on-screen menu does not rotate according to the installation orientation.

#### ■ ENVIRONMENTAL

Operating Environment	Temperature	: 32°F to 104°F (0°C to 40°C) <sup>1</sup> ; 32°F to 95°F (0°C to 35°C) <sup>2</sup>
	Humidity	: 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	(T.B.D.)
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### MAIN FEATURE

Auto Setup (PC)	Yes
Power Management (HDMI / PC)	Yes
Button lock	Yes
Remote Controller Lock	Yes
Dynamic contrast	Yes
Dynamic backlight control	Yes
Timer setting	Yes
SERIAL control (RS232C)	Yes
LAN control (PLink™)	Yes (Class2)
HDMI CEC Compatible	Yes
AMX D.D.	Yes
Multi Monitoring & Control Software	Yes
USB Media File Playback	Yes <sup>1</sup>
Memory Viewer	Yes
USB Auto-play*	Yes
Operating Time <sup>2</sup>	24 h / day

\* Photo and video cannot be played automatically at the same time.  
 1 Still images and videos cannot be mixed.  
 2 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 movie images.

### STANDARD (CERTIFICATIONS)

SAFETY REGULATIONS	UL 62368-1 Ed. 3-2019 CSA C22.2 No. 62368-1:19 EN 62368-1:2014, (BS EN 62368-1:2014)
RADIATION REGULATIONS	Class A FCC 47 CFR Part 15 Subpart B ICES-003 Issue7 EN 55032:2015 EN 55032:2015/A11:2020 EN 55035:2017 EN 55035:2017/A11:2020 EN 61000-3-2:2014 EN 61000-3-3:2013

### REMOTE CONTROL TRANSMITTER

Power Requirements	DC 3 V (AAA Size batteries x 2)
Operating distance	Approx. 23 ft (7 m)
Weight	Approx. 3.2 oz (91 g) including batteries
Dimensions (W x H x D)	1.9" x 7.5" x 1.1" (48 x 190 x 27 mm)

### INCLUDED ACCESSORIES

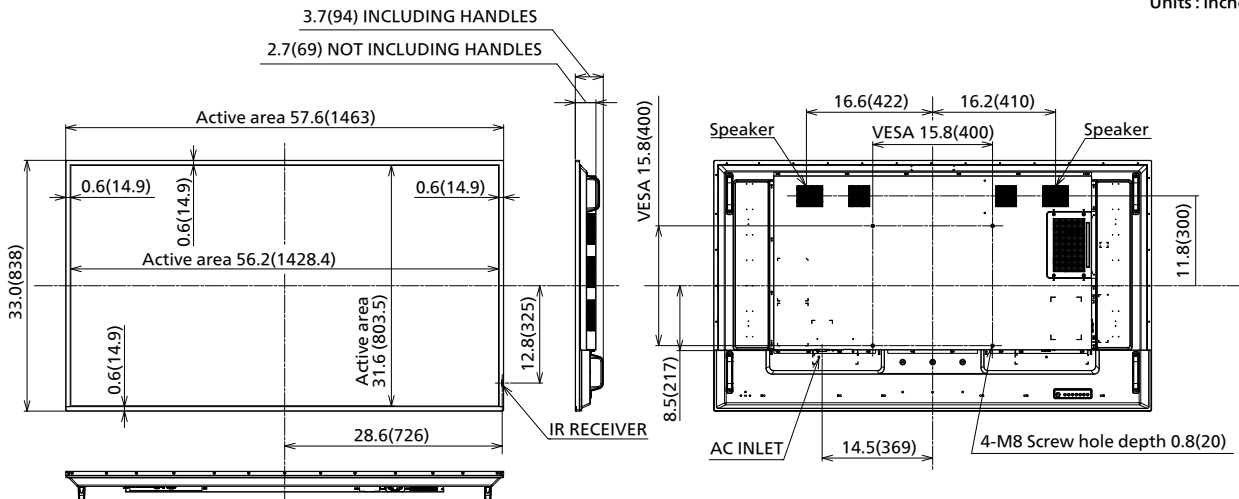
- Remote Control - Batteries (AAA size) x 2
- AC cord (approx. 78.7" (approx. 2 m)) - Clamper x 2
- USB memory cover - Operating Instruction Book

### OPTIONAL ACCESSORIES

Pedestal	TY-ST75PE9
Wall hanging bracket	TY-WK98PV1

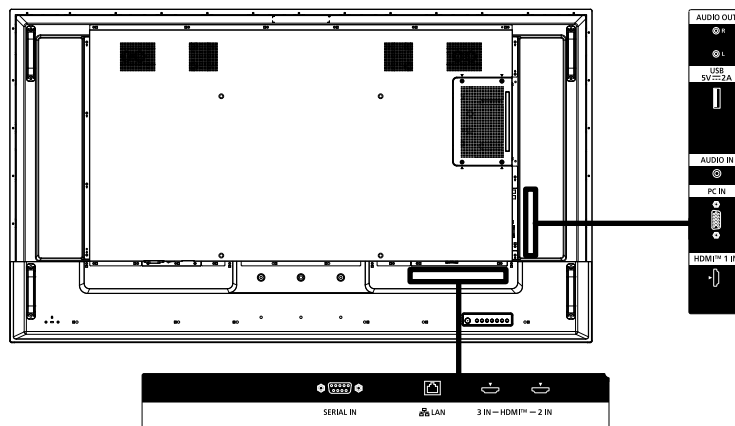
### DIMENSIONS

Cautions: This drawing is not a scale  
 Units: inches (mm)



1 Some wall hanging brackets cannot be used due to the structures of the product. Check the product drawing before using.

### CONNECTION TERMINAL



1 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.

Correspondence signal	Resolution (dot)	Scan rate		Dot clock rate (MHz)	Format <sup>2</sup>	Plug and play compatible signal <sup>4</sup>		
		Horizontal (kHz)	Vertical (Hz)			HDMI		PC
						EDID1	EDID2	
480/60i	720 (1440) x 480i <sup>1</sup>	15.73	59.94	27.00	H	○	○	-
576/50i	720 (1440) x 576i <sup>1</sup>	15.63	50.00	27.00	H	○	○	-
480/60p	720 x 480	31.47	59.94	27.00	H	○	○	-
576/50p	720 x 576	31.25	50.00	27.00	H	○	○	-
720/60p	1280 x 720	45.00	60.00	74.25	H	○	○	-
720/50p	1280 x 720	37.50	50.00	74.25	H	○	○	-
1080/60i	1920 x 1080i	33.75	60.00	74.25	H	○	○	-
1080/50i	1920 x 1080i	28.13	50.00	74.25	H	○	○	-
1080/24p	1920 x 1080	27.00	24.00	74.25	H	○	○	-
1080/25p	1920 x 1080	28.13	25.00	74.25	H	○	○	-
1080/30p	1920 x 1080	33.75	30.00	74.25	H	○	○	-
1080/60p	1920 x 1080	67.50	60.00	148.50	H	○	○	-
1080/50p	1920 x 1080	56.25	50.00	148.50	H	○	○	-
3840 x 2160/24p	3840 x 2160	54.00	24.00	297.00	H	○	○	-
3840 x 2160/25p	3840 x 2160	56.25	25.00	297.00	H	○	○	-
3840 x 2160/30p	3840 x 2160	67.50	30.00	297.00	H	○	○	-
3840 x 2160/60p	3840 x 2160	135.00	60.00	594.00	H	○	-	-
3840 x 2160/50p	3840 x 2160	112.50	50.00	594.00	H	○	-	-
4096 x 2160/24p	4096 x 2160	54.00	24.00	297.00	H	○	○	-
4096 x 2160/25p	4096 x 2160	56.25	25.00	297.00	H	○	○	-
4096 x 2160/30p	4096 x 2160	67.50	30.00	297.00	H	○	○	-
4096 x 2160/60p	4096 x 2160	135.00	60.00	594.00	H	○	-	-
4096 x 2160/50p	4096 x 2160	112.50	50.00	594.00	H	○	-	-
640 x 480/60	640 x 480	31.47	59.94	25.18	R/H	○	○	○
720 x 400/70	720 x 400	31.50	70.00	28.30	R/H	○	○	○
800 x 600/60	800 x 600	37.88	60.32	40.00	R/H	○	○	○
1024 x 768/60	1024 x 768	48.36	60.00	65.00	R/H	○	○	○
1280 x 720/60	1280 x 720	44.70	60.00	74.25	R/H	○	○	○
1280 x 800/60	1280 x 800	49.70	59.81	83.50	H	○	○	-
1280 x 960/60	1280 x 960	60.00	60.00	108.00	R/H	○	○	○
1280 x 1024/60	1280 x 1024	63.98	60.02	108.00	R/H	○	○	○
1280 x 1024/75	1280 x 1024	79.98	75.02	135.00	H	-	○	-
1360 x 768/60	1360 x 768	47.71	60.02	85.50	H	○	○	-
1400 x 1050/60	1400 x 1050	65.32	59.98	121.75	R/H	○	○	○
1440 x 900/60	1440 x 900	55.94	59.89	106.50	H	○	○	-
1600 x 900/60	1600 x 900 <sup>3</sup>	60.00	60.00	108.00	R/H	○	○	○
1600 x 1200/60	1600 x 1200	75.00	60.00	162.00	H	○	○	-
1680 x 1050/60	1680 x 1050	65.29	59.95	146.25	R/H	○	○	○
1920 x 1080/60	1920 x 1080	67.50	60.00	148.50	R/H	○	○	○
1920 x 1200/60	1920 x 1200 <sup>3</sup>	74.04	59.95	154.00	R/H	○	○	○

1 Pixel-Repetition signal (dot clock frequency 27.0 MHz) only

2 Alphabets inside the Format column represent as it follows.

R: D-sub RGB (PC IN)

H: HDMI (HDMI 1, HDMI 2, HDMI 3)

3 Based on VESA CVT-RB (Reduced Blanking) standard

4 Signals with ○ in the plug and play compatible signal column is the signal described in the EDID (extended display identification data) of the display. For the signals without ○ in the plug and play compatible signal column, the resolution may not be selected on the computer even if the display is supporting it.

**Note**

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

● [ i ] shown after the number of dots of resolution means the interlace signal.