



75-inch Class 4K UHD LCD Display TH-75SQE1W

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

■ DISPLAY PANEL

Screen Size (Diagonal)	75-inch class (1892.7 mm)
Panel type / Backlight	IPS / Direct-LED
Aspect ratio	16:9
Effective Display Area (W x H)	1649.6 x 927.9 mm (64.94" x 36.53")
Resolution (H x V)	3840 x 2160
Brightness (Typ)	500 cd/m ²
Contrast Ratio	1200:1
Dynamic Contrast Ratio	50000:1
Max. Display Colors	Approx. 1.07 Billion
Response Time (Typ)	8 ms (G to G)
Viewing Angle (Horizontal / Vertical)	178° / 178° (CR>10)
Panel Life Time* ¹ (Typ)	Approx. 50000 hours
Panel Surface Treatment	Anti-glare low reflection treatment (Haze 3%)

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

■ CONNECTION TERMINAL

HDMI IN	HDMI Connector x 4	Compatible with HDCP 2.2
DisplayPort 1.2a Input	x 1	Compatible with HDCP 1.3
DisplayPort 1.2a Output	x 1	Compatible with HDCP 1.3
PC IN	Mini D-Sub 15-pin (DDC2B) x 1	RGB : 0.7 V p-p (75 Ω) HD/VD : TTL (High impedance)
SERIAL IN	D-sub 9pin (Female) x 1, RS-232C Compatible	
IR IN	Stereo mini jack (M3) x 1	
AUDIO IN	Pin jack (L / R) x 1	
AUDIO OUT	Stereo mini Jack (M3) x 1 SPDIF x 1	
LAN	RJ45 x 1	
USB	USB connector Type-A (5 V/0.5 A) x 2, Type-C (5 V/1.5 A) x 1 (Internal) Type-A x 1	
SLOT	Intel [®] SDM specification Corresponding size SDM-S / SDM-L, Supply power 40 W	
Wi-Fi	Built-in	

■ AUDIO

Built in Speaker	24 W [12W + 12W]
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■ ELECTRICAL

Power Requirements	AC 110 - 127 V 50 Hz / 60 Hz AC 220 - 240 V 50 Hz / 60 Hz
Power Consumption	334 W (SLOT not in use:280 W)
On Mode Average Power Consumption*	249 W
Power Off Condition	0 W
Stand-by Condition	Approx. 0.5 W
Apparent power	342 W (SLOT not in use:286 W) (AC 110-127 V) 346 W (SLOT not in use:290 W) (AC 220-240 V)

*Based on IEC 62087 Ed.2 measurement method

■ MECHANICAL

Dimension (W x H x D) Not including remote controller sensor box	1684 x 968 x 100 mm (66.28" x 38.09" x 3.92")
Dimension (W x H x D) Including remote controller sensor box	1684 x 984 x 100 mm (66.28" x 38.74" x 3.92")
Weight	37.4 kg (82.5 lbs)
Carton Dimensions (W x H x D)	1948 x 1170 x 210 mm (76.70" x 46.07" x 8.27")
Gross Weight	52 kg (114.7 lbs)
Cabinet Material	Front: Metal / Side, Back: Plastic
Bezel Color	Black
Bezel Width	T/R/L 15.7 mm (0.62") B 21.5 mm (0.85")
Pitch for Wall-Hanging	VESA Compliant 600 x 400 mm (23.7" x 15.8") (Installed by: M8 screws / Screw hole depth 10 mm (0.40"))

*Remote IR sensor is detachable.

■ INSTALLATION

Orientation*	Landscape / Portrait
Tilting Angle	Landscape : 20 degrees forward Portrait : 20 degrees forward

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

■ ENVIRONMENTAL

Operating Environment	Temperature	: 0°C to 40°C (32°F to 104°F) ¹ ; 0°C to 35°C (32°F to 95°F) ²
	Humidity	: 20% to 80% (No condensation)
Storage Environment	Temperature	: -20°C to 60°C (-4°F to 140°F)
	Humidity	: 20% to 80% (No condensation)

¹ : for up to 1400 m (4593 ft) altitude ² : for between 1400 m (4593 ft) and 2800 m (9186 ft) 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	885170428034
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Supported signals & TV format

Corresponding Signal	Resolution (Dot)	Scanning frequency		Dot Clock frequency (MHz)	Format ²	Plug and Play supported signal			
		Horizontal (kHz)	Vertical (Hz)			HDMI	DP ³	Type-C	PC
480/60i	720(1440) x 480i ¹¹	15.73	59.94	27	H/DP/TypeC	○	○	○	-
576/50i	720(1440) x 576i ¹¹	15.63	50	27	H/DP/TypeC	○	○	○	-
480/60p	720 x 483	31.47	59.94	27	H/DP/TypeC	○	○	○	-
576/50p	720 x 576	31.25	50	27	H/DP/TypeC	○	○	○	-
720/60p	1280 x 720	45	60	74.25	H/DP/TypeC	○	○	○	-
720/50p	1280 x 720	37.5	50	74.25	H/DP/TypeC	○	○	○	-
1080/60i	1920 x 1080i	33.75	60	74.25	H/DP/TypeC	○	○	○	-
1080/50i	1920 x 1080i	28.13	50	74.25	H/DP/TypeC	○	○	○	-
1080/24p	1920 x 1080	27	24	74.25	H/DP/TypeC	○	○	○	-
1080/25p	1920 x 1080	28.13	25	74.25	H/DP/TypeC	○	○	○	-
1080/30p	1920 x 1080	33.75	30	74.25	H/DP/TypeC	○	○	○	-
1080/60p	1920 x 1080	67.5	60	148.5	H/DP/TypeC	○	○	○	-
1080/50p	1920 x 1080	56.25	50	148.5	H/DP/TypeC	○	○	○	-
2K/24p	2048 x 1080	27	24	74.25	H/DP/TypeC	-	-	-	-
2K/25p	2048 x 1080	28.13	25	74.25	H/DP/TypeC	-	-	-	-
2K/30p	2048 x 1080	33.75	30	74.25	H/DP/TypeC	-	-	-	-
2K/48p	2048 x 1080	54	48	148.5	H/DP/TypeC	-	-	-	-
2K/60p	2048 x 1080	67.5	60	148.5	H/DP/TypeC	-	-	-	-
2K/50p	2048 x 1080	56.25	50	148.5	H/DP/TypeC	-	-	-	-
3840 x 2160/24p	3840 x 2160	54	24	297	H/DP/TypeC	○	○	○	-
3840 x 2160/25p	3840 x 2160	56.25	25	297	H/DP/TypeC	○	○	○	-
3840 x 2160/30p	3840 x 2160	67.5	30	297	H/DP/TypeC	○	○	○	-
3840 x 2160/60p	3840 x 2160	135	60	594	H/TypeC	○	-	○	-
3840 x 2160/50p	3840 x 2160	112.5	50	594	H/TypeC	○	-	○	-
4096 x 2160/24p	4096 x 2160	54	24	297	H/DP/TypeC	○	○	○	-
4096 x 2160/25p	4096 x 2160	56.25	25	297	H/DP/TypeC	○	○	○	-
4096 x 2160/30p	4096 x 2160	67.5	30	297	H/DP/TypeC	○	○	○	-
4096 x 2160/60p	4096 x 2160	135	60	594	H/TypeC	○	-	○	-
4096 x 2160/50p	4096 x 2160	112.5	50	594	H/TypeC	○	-	○	-
640 x 400/70	640 x 400	31.47	70.09	25.18	H/DP/TypeC/PC	-	-	-	-
640 x 400/85	640 x 400	37.86	85.08	31.5	H/DP/TypeC	-	-	-	-
640 x 480/60	640 x 480	31.47	59.94	25.18	H/DP/TypeC/PC	○	○	○	○
640 x 480/67	640 x 480	35	66.67	30.24	H/DP/TypeC/PC	-	-	-	-
640 x 480/73	640 x 480	37.86	72.81	31.5	H/DP/TypeC/PC	-	-	-	-
640 x 480/75	640 x 480	37.5	75	31.5	H/DP/TypeC/PC	-	-	-	-
640 x 480/85	640 x 480	43.27	85.01	36	H/DP/TypeC/PC	-	-	-	-
800 x 600/56	800 x 600	35.16	56.25	36	H/DP/TypeC/PC	-	-	-	-
800 x 600/60	800 x 600	37.88	60.32	40	H/DP/TypeC/PC	○	○	○	○
800 x 600/72	800 x 600	48.08	72.19	50	H/DP/TypeC/PC	-	-	-	-
800 x 600/75	800 x 600	46.88	75	49.5	H/DP/TypeC/PC	-	-	-	-
800 x 600/85	800 x 600	53.67	85.06	56.25	H/DP/TypeC/PC	-	-	-	-
832 x 624/75	832 x 624	49.72	74.55	57.28	H/DP/TypeC/PC	-	-	-	-
852 x 480/60	852 x 480	31.47	59.94	34.24	H/DP/TypeC	-	-	-	-
1024 x 768/50	1024 x 768	39.55	50	51.89	H/DP/TypeC	-	-	-	-
1024 x 768/60	1024 x 768	48.36	60	65	H/DP/TypeC/PC	○	○	○	○
1024 x 768/70	1024 x 768	56.48	70.07	75	H/DP/TypeC/PC	-	-	-	-
1024 x 768/82	1024 x 768	65.55	81.63	86	H/DP/TypeC/PC	-	-	-	-
1024 x 768/85	1024 x 768	68.68	85	94.5	H/DP/TypeC/PC	-	-	-	-
1066 x 600/60	1066 x 600	37.64	59.94	53	H/DP/TypeC	-	-	-	-
1152 x 864/60	1152 x 864	53.7	60	81.62	H/DP/TypeC/PC	-	-	-	○
1152 x 864/70	1152 x 864	63.99	70.02	94.2	H/DP/TypeC/PC	-	-	-	-
1152 x 864/75	1152 x 864	67.5	75	108	H/DP/TypeC/PC	-	-	-	-
1152 x 864/85	1152 x 864	77.09	85	119.65	H/DP/TypeC/PC	-	-	-	-
1152 x 870/75	1152 x 870	68.68	75.06	100	H/DP/TypeC/PC	-	-	-	-
1280 x 720/60	1280 x 720	44.76	60	74.48	H/DP/TypeC/PC	-	-	-	○
1280 x 768/50	1280 x 768	39.55	49.94	65.18	H/DP/TypeC	-	-	-	-
1280 x 768/60	1280 x 768	47.7	60	80.14	H/DP/TypeC	-	-	-	-
1280 x 768/60	1280 x 768	47.78	59.87	79.5	H/DP/TypeC/PC	-	-	-	-
1280 x 800/50	1280 x 800	41.2	50	68.56	H/DP/TypeC	-	-	-	-
1280 x 800/60	1280 x 800	49.31	59.91	71	H/DP/TypeC	-	-	-	-
1280 x 800/60	1280 x 800	49.7	59.81	83.5	H/DP/TypeC	-	-	-	○
1280 x 960/60	1280 x 960	60	60	108	H/DP/TypeC/PC	-	-	-	-
1280 x 960/85	1280 x 960	85.94	85	148.5	H/DP/TypeC	-	-	-	-
1280 x 1024/60	1280 x 1024	63.98	60.02	108	H/DP/TypeC/PC	○	○	○	○
1280 x 1024/75	1280 x 1024	79.98	75.02	135	H/DP/TypeC/PC	-	-	-	-
1280 x 1024/85	1280 x 1024	91.15	85.02	157.5	H/DP/TypeC/PC	-	-	-	-
1360 x 768/60	1360 x 768	47.71	60.02	85.5	H/DP/TypeC	-	-	-	-
1360 x 768/60	1360 x 768	47.7	60	84.72	H/DP/TypeC	-	-	-	-
1360 x 768/60	1360 x 768	47.72	59.8	84.75	H/DP/TypeC	-	-	-	-
1366 x 768/50	1366 x 768	39.55	50	69.92	H/DP/TypeC	-	-	-	-
1366 x 768/60	1366 x 768	48.39	60.03	86.71	H/DP/TypeC	-	-	-	-
1366 x 768/60	1366 x 768	48	60	72	H/DP/TypeC	-	-	-	-
1366 x 768/50	1366 x 768	39.56	49.89	69	H/DP/TypeC	-	-	-	-
1366 x 768/60	1366 x 768	47.71	59.79	85.5	H/DP/TypeC/PC	-	-	-	-
1400 x 1050/60	1400 x 1050	65.22	60	122.61	H/DP/TypeC	-	-	-	-
1400 x 1050/75	1400 x 1050	82.2	75	155.85	H/DP/TypeC/PC	-	-	-	-
1440 x 900/60	1440 x 900	55.47	59.9	88.75	H/DP/TypeC	-	-	-	-
1440 x 900/60	1440 x 900	55.92	60	106.47	H/DP/TypeC/PC	-	-	-	-
1600 x 900/50	1600 x 900	46.3	50	97.05	H/DP/TypeC	-	-	-	-
1600 x 900/60	1600 x 900	60	60	108	H/DP/TypeC	-	-	-	○
1600 x 900/60	1600 x 900	55.99	59.95	118.25	H/DP/TypeC	-	-	-	-

Corresponding Signal	Resolution (Dot)	Scanning frequency		Dot Clock frequency (MHz)	Format*2	Plug and Play supported signal			
		Horizontal (kHz)	Vertical (Hz)			HDMI	DP*3	Type-C	PC
1600 x 900/60	1600 x 900	55.92	60	119	H/DP/TypeC	-	-	-	-
1600 x 1200/60	1600 x 1200	75	60	162	H/DP/TypeC/PC	-	-	-	○
1680 x 1050/60	1680 x 1050	65.29	59.95	146.25	H/DP/TypeC	-	-	-	-
1920 x 1080/60	1920 x 1080	66.59	59.93	138.5	H/DP/TypeC	-	-	-	-
1920 x 1080/60	1920 x 1080	67.5	60	148.5	H/DP/TypeC/PC	○	○	○	○
1920 x 1200/60	1920 x 1200	74.04	59.95	154	H/DP/TypeC/PC	○	○	○	○

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

*2 : Following characters are abbreviation of input terminals.

H : HDMI (HDMI 1, 2, 3, 4)
 DP : Display Port
 Type-C : USB Type-C
 PC : D-sub RGB

*3 : Only for SQE1W

*4 : Signals with ○ in the Plug and Play-supported signal column are the ones written in EDID (Extended Display Identification Data) of this unit.

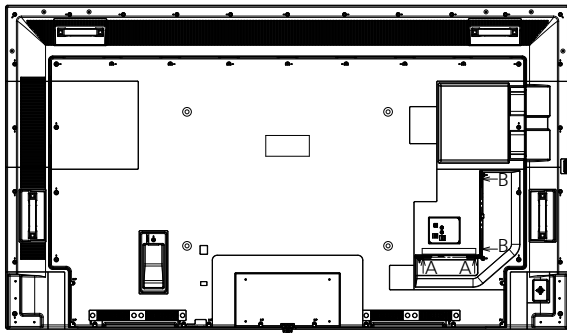
For signals without ○ in the Plug and Play-supported signal column, resolutions may not be selected on the PC side even if this unit supports those signals.

Note

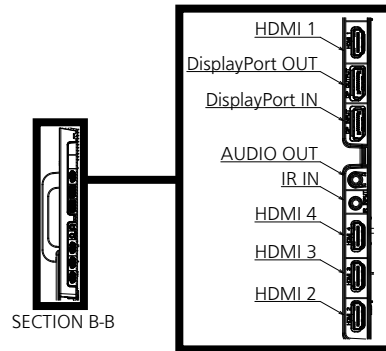
- An auto detected signal format may be differently displayed from the actual input signal.
- The i symbols (example 1080i) means Interlaced signal.

● Terminals

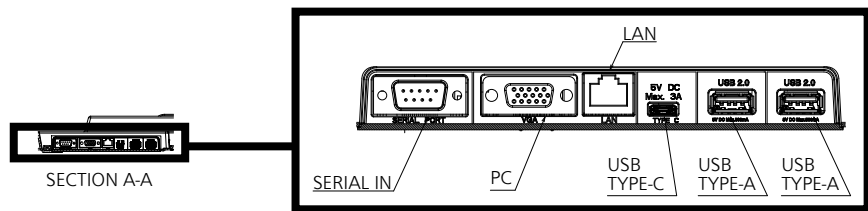
View from back



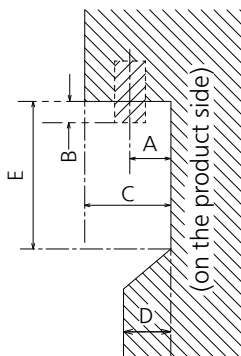
Magnified figure of terminal b



Magnified figure of terminal a



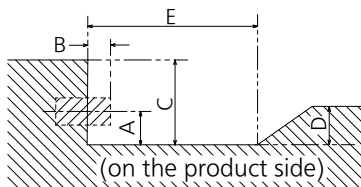
Sectional view of terminal a
(SERIAL / PC / LAN / USB TYPE-C / USB TYPE-A)



Terminal a
75SQE1W Terminal (Bottom) Units : mm (inch)

	SERIAL / PC	LAN	USB TYPE-C	USB TYPE-A
A	9.3 (0.37)	9.7 (0.38)	4.8 (0.19)	6.6 (0.26)
B	3.7 (0.15)	—	—	—
C	26.4 (1.04)			
D	26.4 (1.04)			
E	69.7 (2.74)			

Sectional view of terminal b
(HDMI / DisplayPort / IR / AUDIO OUT)



Terminal b
75SQE1W Terminal (Side) Units : mm (inch)

	HDMI	DisplayPort	IR / AUDIO OUT
A	7.1 (0.28)	5.1 (0.20)	6.2 (0.25)
B	—	—	0.8 (0.03)
C	24.9 (0.98)		
D	24.9 (0.98)		
E	93.6 (3.69)		

*Since clearance between terminals are limited, some USB connector will not fit.
Please check if USB memory devices you are going to use will fit, using the diagram above.