



55-inch Class LED Display TL-55LV12AW

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

■ DISPLAY PANEL

Screen Size (Diagonal)	54.92 inch (1395.1 mm)
Aspect ratio	16:9
Effective Display Area (W x H)	47.87" x 26.92" (1216.0 x 684.0 mm)
LED Type	3-in-1 COB
Pixel Pitch	1.26 mm
Resolution (H x V)	960 x 540
Brightness (Typ)	800 cd/m ²
Contrast Ratio	10000:1
Refresh Rate	Max. 3840 Hz
Color depth	13 bit
Viewing Angle (Horizontal / Vertical) (Typ)	160°/ 160° (CR>10)
Panel Life Time ¹ (Typ)	Approx. 100,000 hours
Panel Surface Treatment	YES

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	TYPE A connector x 1, Compatible with HDCP 2.2
USB (for PC control)	USB Type C Connector x 1 (For data transfer only)
Infrared signal IN	Stereo Mini Jack (Φ 3.5 mm)
LAN IN	RJ45 10BASE-T
LAN OUT (for system expansion)	RJ45 10BASE-T

■ ELECTRICAL

Power Requirements	AC 110-240 V 50/60 Hz 1.77 A-0.94 A
Power Consumption (Shipping Condition)	170 W
Power Consumption (rating)	195 W
On Mode Average Power Consumption (Shipping Condition) ¹	94 W
Stand-by Condition	Approx. 0.6 W
Apparent power	220 VA

¹ Based on IEC 62087 Ed.2 measurement method

■ MECHANICAL

Dimension (W x H x D)	47.88" x 26.93" x 1.13" (1216 x 684 x 29 mm)
Weight	Applox. 18.3 kg (40.4 lbs.)
Carton Dimensions (W x H x D)	53.63" x 31.97" x 11.30" (1362 x 812 x 287 mm)
Gross Weight	Applox. 30.5 kg (Applox. 67.3 lbs.)
Cabinet Material	Aluminum die-casting
Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (Installed by: M6 screws / Screw hole depth: 10 mm)

■ INSTALLATION

Orientation	Landscape / Portrait
Tilting Angle	0 degrees

■ 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	: 10% 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.

■ Storage conditions

Storage conditions	Temperature	: -20 °C to 50 °C (-4 °F to 122 °F)
	Humidity	: 10% to 85% (No condensation)

UPC Code	885170456808
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MAIN FEATURE

LAN control protocol	Yes
External control command (LAN)	Yes
No signal power off	Yes
Picture adjustment function	Yes
Screen position setting	Yes
Dedicated PC application compatible	Yes
Operating Time ¹	24 h / day

¹ 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, EN62368-1
RADIATION REGULATIONS	FCC 47 CFR Part 15 Subpart B, Class A, EN55032, EN55035, EN61000-3-2, EN61000-3-3

REMOTE CONTROL TRANSMITTER

Power Requirements	DC -3.0 V (CR2025 Size batteries x 1)
Operating distance	Approx. 7 m (23 ft)*
Weight	Approx. 1.1 oz (30 g) including batteries
Dimensions (W x H x D)	1.58" x 4.26" x 0.39" (40.1 x 108.0 x 9.8 mm)

* When operated directly in front of receptor.

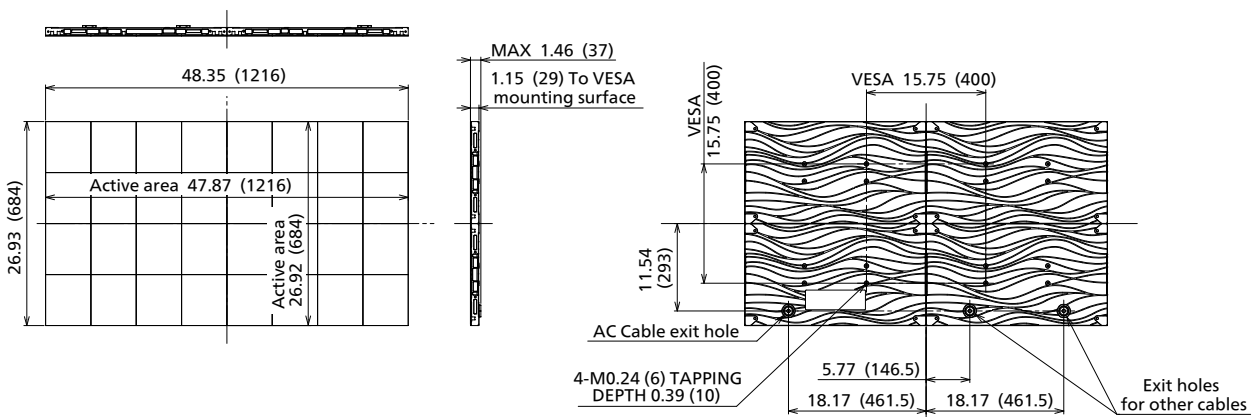
INCLUDED ACCESSORIES

- LED module x 32 - LED module (spare) x 1
- Ac cord (78.7" (2 m)) x 3 (EU/UK/US)
- RJ-45 cable: 1.2 m x 1
- HDMI™ cable (For system expansion) : 27.5" (0.7 m) x 1, 70.8" (1.8 m) x 1
- Ferrite core (For HDMI cables (1.8 m, 0.7 m)) x 4
- USB A-C cable (For PC connection 78.7"/2 m) x 1
- External IR receiver cable (59"/1.5 m) x 1
- Remote Control Transmitter x 1
- Connector plate (4 holes) x 2 pcs
- Connector plate (2 holes) x 4 pcs
- M4-12 screw x 16
- LED module removal tool x 1
- Hex wrench (Hex 3) x 1, (HEX 5) x 1
- Cable holder x 3 - Cable clamp x 3 - M4-8 screw x 6
- Wire grommet (Φ8 mm) x 3

OPTIONAL ACCESSORIES

LED Module	TY-MD12CS1
Wall Mount	TY-WMT1
Wall-mounting installation jig	TY-WMT1J
Cover Frame Horizontal	TY-CF55LVH1
Cover Frame Vertical	TY-CF55LVV1
Cover Frame Corner	TY-CF55LVC1

DIMENSIONS



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

● 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)	Output settings	Usage Case (W x H)
		Horizontal (kHz)	Vertical (Hz)			
960 x 540 60p	960 x 540	37.50	60.00	54.000	960 x 540	1 x 1
960 x 540 50p	960 x 540	31.25	50.00	54.000	960 x 540	
1920 x 1080 60p ¹	1920 x 1080	67.50	60.00	148.500	960 x 540	
1920 x 1080 50p ¹	1920 x 1080	56.25	50.00	148.500	960 x 540	
1920 x 1080 60p	1920 x 1080	67.50	60.00	148.500	1920 x 1080	2 x 2
1920 x 1080 50p	1920 x 1080	56.25	50.00	148.500	1920 x 1080	
3840 x 2160 60p ¹	3840 x 2160	135.00	60.00	594.000	1920 x 1080	
3840 x 2160 50p ¹	3840 x 2160	112.50	50.00	594.000	1920 x 1080	
2880 x 1620 60p	2880 x 1620	101.28	60.00	334.224	2880 x 1620	3 x 3
2880 x 1620 50p	2880 x 1620	84.40	50.00	278.520	2880 x 1620	
1920 x 1080 60p ¹	1920 x 1080	67.50	60.00	148.500	2880 x 1620	
1920 x 1080 50p ¹	1920 x 1080	56.25	50.00	148.500	2880 x 1620	
3840 x 2160 60p ¹	3840 x 2160	135.00	60.00	594.000	2880 x 1620	
3840 x 2160 50p ¹	3840 x 2160	112.50	50.00	594.000	2880 x 1620	
3840 x 2160 60p	3840 x 2160	135.00	60.00	594.000	3840 x 2160	
3840 x 2160 50p	3840 x 2160	112.50	50.00	594.000	3840 x 2160	
1920 x 1080 60p ¹	1920 x 1080	67.50	60.00	148.500	3840 x 2160	4 x 4
1920 x 1080 50p ¹	1920 x 1080	56.25	50.00	148.500	3840 x 2160	
1920 x 1620 60p	1920 x 1620	101.28	60.00	222.816	1920 x 1620	2 x 3
1920 x 1620 50p	1920 x 1620	84.40	50.00	185.680	1920 x 1620	
2880 x 1080 60p	2880 x 1080	67.50	60.00	222.750	2880 x 1080	3 x 2
2880 x 1080 50p	2880 x 1080	56.25	50.00	185.625	2880 x 1080	
1920 x 2160 60p	1920 x 2160	135.06	60.00	297.132	1920 x 2160	2 x 4
1920 x 2160 50p	1920 x 2160	112.55	50.00	247.610	1920 x 2160	
3840 x 1080 60p	3840 x 1080	67.50	60.00	297.000	3840 x 1080	4 x 2
3840 x 1080 50p	3840 x 1080	56.25	50.00	247.500	3840 x 1080	
2880 x 2160 60p	2880 x 2160	135.06	60.00	445.698	2880 x 2160	3 x 4
2880 x 2160 50p	2880 x 2160	112.55	50.00	371.415	2880 x 2160	
3840 x 1620 60p	3840 x 1620	101.28	60.00	445.632	3840 x 1620	4 x 3
3840 x 1620 50p	3840 x 1620	84.40	50.00	371.360	3840 x 1620	

1: Resolution may be degraded due to scaling.

2: Automatic switching between 60Hz and 50Hz is not supported.

3: Interlaced signals are not supported.