

Video Wall LED Display

July 2026

LV Series

TL-55LV12AW



LED displays that provide visual content to enhance spatial presentation while achieving simplified installation work and ease of use.

■ Main Features



01 | Delivering an Immersive Visual Experience

With 800 cd/m² high brightness, a wide color gamut, and a high contrast ratio (10,000:1), it delivers vivid, clear images even in bright environments. The LV Series features a seamless large-screen display with no visible joints. It enhances visual immersion and impact, improving brand image and communication effectiveness.

02 | Supports Simplified Installation and System Configuration

Lightweight at approximately 18.3 kg and featuring a slim profile of approximately 29 mm, it significantly reduces the burden of transport and installation. In addition, its built-in design eliminates the need for an external controller, while HDMI™ daisy-chain connectivity* enables a simple system configuration. Minimizes effort from installation through operation.

*Up to 4 displays can be connected for video and control signals (HDMI™).
Power supply (landscape installation): Up to 4 displays can be connected vertically
Power supply (portrait installation): Up to 4 displays can be connected horizontally



03 | Reduced Maintenance Costs and Stable Operation

The LV Series uses long-life, low-power-consumption COB LED modules and supports 24/7 operation. It also offers excellent resistance to minor impacts and stains. With its front-access design, key components such as modules, power units, and circuit boards can be removed and replaced from the front, helping reduce maintenance effort and operating costs.

Product name	Video wall compatible LED display
Model no.	TL-55LV12AW
Screen size (diagonal)	55-inch class (1395.1 mm/54.92-inch)
LED type/pixel pitch	3-in-1 COB/1.26 mm
Brightness	800 cd/m ²
Resolution	960 x 540
Contrast	10,000:1

Wide Color Gamut Maximizes the Appeal of Products and Advertisements

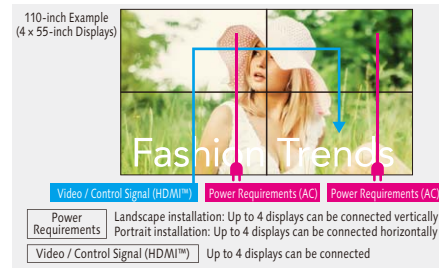
The LV Series uses RGB three-color LED elements and features a wide color gamut. Compared with LCD displays, it delivers richer color reproduction, bringing out the full appeal of displayed content.



*Images are for illustrative purposes only.

Simple Cabling for Smarter Operation

With power consumption of only 170 W (shipping condition), its energy-efficient design helps lower operating costs. Video/control signals and power support daisy-chain connections, enabling large-screen displays with simple cabling.



Compatible with VESA-Compliant Mounts, Ideal for Replacements

It supports VESA-compliant mounting brackets (400 × 400 mm), making it ideal for replacing LCD videowalls*. Installation using an optional dedicated wall-mount bracket is also available.



*Before replacement, the adjustment range of the mounting brackets and other installation requirements must be checked in advance.

Specifications

Product name		55-inch video wall LED display
Model		TL-55LV12AW
Display Panel	Screen size (diagonal)	55-inch class (1395.1 mm/54.92-inch)
	Brightness (typ.)	800 cd/m ²
	LED type/LED pitch	3-in-1 COB / 1.26 mm
	Resolution (H x V)	960 x 540
	Refresh rate	Max. 3840 Hz
	Contrast	10,000:1
	Panel life time (typ.) ¹	Approx. 100,000 hours
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)
	IR IN	Stereo Mini Jack (ø 3.5 mm) x 1
	LAN IN	RJ45, 10BASE-T
	LAN OUT (for system expansion)	RJ45, 10BASE-T
Electrical	Power requirements	AC 110 V - 240 V, 50 Hz/60 Hz 1.77 A-0.94 A
	Power consumption (shipping condition)	170 W
	Power consumption (rating)	195 W
	On Mode Average Power Consumption ²	94 W
	Stand-by Condition	Approx. 0.6 W
	Apparent power	220 VA
Mechanical	Dimensions (W x H x D)	1216 x 684 x 29 mm (47.88" x 26.93" x 1.13")
	Weight	Approx. 18.3 kg (40.4 lbs.)
	Pitch for wall-hanging	VESA compliant 400 x 400 mm (15.8" x 15.8"), (Installed by: M6 screws/Screw hole depth: 10 mm (0.4"))
	Orientation	Landscape/Portrait
For more	Operating time ³	24 h/day
	External control	LAN/Remote controller
	Remote controller	Yes

1: When the panel lifetime is at 50 % of the brightness under the condition of 25 degrees Celsius (+/- 2 degrees Celsius). 2: Based on IEC 62087 Ed.2 measurement method

3: 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.

Optional Accessories

• LED Module	TY-MD12CS1
• Wall Mount	TY-WMT1
• Wall-mounting installation jig	TY-WMT1J
• Cover Frame Horizontal ¹	TY-CF55LVH1
• Cover Frame Vertical ¹	TY-CF55LVV1
• Cover Frame Corner ²	TY-CF55LVC1

1: Each set includes 2 parts

2: The set include 4 parts

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All information included here is valid As of July 2026.

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