

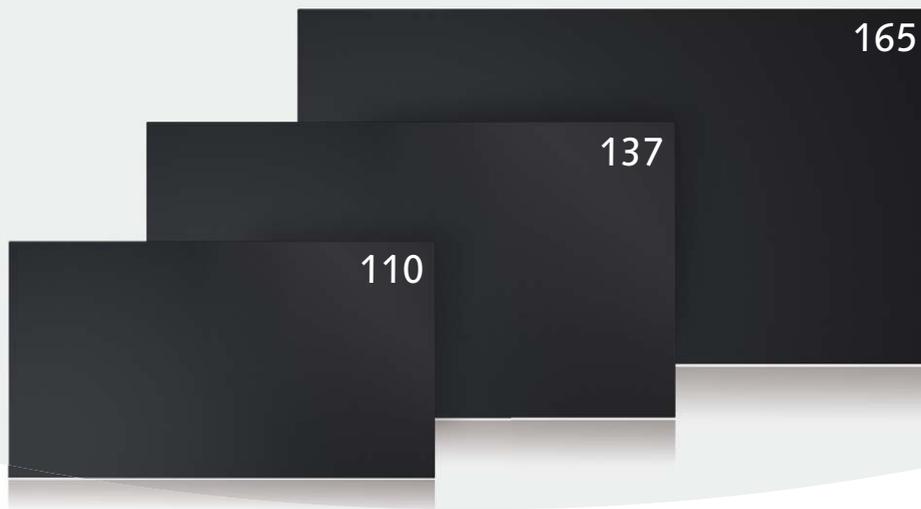
## All-in-one LED Display

## AD Series

165-inch class TL-165AD19A  
 137-inch class TL-137AD15A  
 110-inch class TL-110AD12A\*

\*The availability varies depending on country or region and model.

All-in-one LED display that boasts high operability, long-term stable operation, high installation efficiency and expandability



- **User-friendly all-in-one model designed for convenience.**

These all-in-one model comes with a set of necessary equipment, including a display, controller, power supply, and mounting hardware. It uses an LED module with a luminance of 700 cd/m<sup>2</sup> and a pitch of 1.27 mm (110") / 1.58 mm (137") / 1.90 mm (165") to display highly visible images. Much like a commercial display, it can be easily set up and operated using a remote controller. In addition to the wide color gamut that is unique to LEDs, it also has a color gamut conversion function, so it can deliver images that express the appeal of the content to the effective extent, depending on the intended use.

- **Long-term operation with stability**

The brightness and power are controlled to suit the installation environment and the images being displayed, ensuring visibility while reducing power consumption. Because it uses highly reliable parts, it can be operated continuously for 24 hours a day. Thanks to the front access design, parts can be replaced and repaired from the front of the display in the event of a problem. It is equipped with a burn-in prevention and correction function, so it can stably display images even in environments where specific images are displayed for long periods of time.

- **Efferently installation and expandability**

The thin, lightweight design reduces the weight load on the wall and the work load during installation. By assembling and adjusting the modules at the factory in advance and shipping them as semi-assembled products, high-quality images with minimal color deviations between modules are ensured. It is also equipped with two slots for Intel® SDM specifications, and by mounting a function board, the system can be expanded.

Product name	165-inch class all-in-one LED display	137-inch class all-in-one LED display	110-inch class all-in-one LED display
Model number	TL-165AD19A	TL-137AD15A	TL-110AD12A
Screen size (Diagonal)	164.78-inch / 4185.5 mm	137.32-inch / 3487.9 mm	109.86-inch / 2790.3 mm
LED type / Pixel pitch	SMD / 1.90 mm	SMD / 1.58 mm	SMD / 1.27 mm
Brightness	700 cd/m <sup>2</sup>		
Resolution (H x V)	1920 x 1080		





\* Product image for illustration purposes only. Actual product may vary.

## Specifications

Model		TL-165AD19A	TL-137AD15A	TL-110AD12A		
Display Panel	Screen Size (Diagonal)/Aspect Ratio	165-inch class (4185.5 mm / 164.78")/16:9	137-inch class (3487.9 mm / 137.32")/16:9	110-inch class (2790.3 mm / 109.86")/16:9		
	Effective Display Area (W x H)	3648 x 2052 mm (143.62" x 80.79")	3040 x 1710 mm (119.69" x 67.32")	2432 x 1368 mm (95.74" x 53.85")		
	Resolution (H x V)	1920 x 1080				
	Brightness (typ.)	700 cd/m <sup>2</sup>				
	LED type / Pixel pitch	3-in-1 SMD / 1.90 mm	3-in-1 SMD / 1.58 mm	3-in-1 SMD / 1.27 mm		
Terminal	Connection terminal (Control box)	AC Input	IEC C14 x 1			
		HDMI™ IN	HDMI™ Type A Connector x 3 (HDCP2.2 Compatible)			
		HDMI™ OUT	HDMI™ Type A Connector x 1 (HDCP2.2 Compatible)			
		Audio analog IN/OUT	Stereo Mini Jack (φ 3.5 mm) x 1/Stereo Mini Jack (φ 3.5 mm) x 1			
		Audio digital IN/OUT	SPDIF			
		USB	USB TYPE A connector x 1 (DC 5 V / 2 A, USB 3.0 is supported)			
		Serial IN	D-sub 9-pin x 1, RS-232C compliant			
		IR IN	Stereo Mini Jack (φ 3.5 mm) x 1			
		LAN	RJ45 x 1 compatible with PLink™ RJ45 10BASE-T / 100BASE-TX			
		Slot	x 2 Intel® SDM specification SLOT1: SDM-S / L; 3.3 V / Max. 1.1 A, 12 V / Max. 5.5 A SLOT2: SDM-S / L; 3.3 V / Max. 1.1 A, 12 V / Max. 2.75 A			
General	All in one including Display panel/ Control box/ Power box	Power Supply	AC 200 V - 240 V 50Hz / 60Hz 19.97 A	AC 200 V - 240 V 50 Hz / 60 Hz 15.75 A	AC 220 V - 240 V 50 Hz / 60 Hz 10.0 A	
		Power Consumption	2850 W (Shipping) / 3424 W (Rating)	2135 W (Shipping) / 2527 W (Rating)	1503 W (Shipping Condition) / 1980 W (Rating)	
		On Mode Average Power Consumption <sup>1</sup>	1104 W (Shipping Condition)	823 W (Shipping Condition)	708 W (Shipping Condition)	
		Power OFF Condition	Approx. 0.5 W			
		Stand-by Condition	Approx. 0.7 W			
		Energy efficiency class for Europe	G			
Mechanical	All in one including Display panel/ Control box/ Power box	Dimensions (W x H x D)	3658 x 2062 x 75.5 mm (144.02" x 81.18" x 2.97")	3050 x 1720 x 75.5 mm (120.08" x 67.72" x 2.97")	2442 x 1378 x 98.5 mm (96.14" x 54.25" x 3.88")	
		Weight	Approx. 225.0 kg (496.1 lbs.)	Approx. 162.2 kg (357.6 lbs.)	Approx. 109.4 kg (241.2 lbs.)	
		Display Panel	Dimensions (W x H x D)	3658 x 2062 x 30.5 mm (144.02" x 81.18" x 1.20") <sup>2</sup>	3050 x 1720 x 30.5 mm (120.08" x 67.72" x 1.20") <sup>2</sup>	2442 x 1378 x 30.5 mm (96.14" x 54.25" x 1.20")
			Weight	Approx. 199.2 kg (439.2 lbs.)	Approx. 140.0 kg (308.7 lbs.)	Approx. 90 kg (198.5 lbs.)
		Control box	Dimensions (W x H x D)	441 x 62 x 696 mm (17.37" x 2.44" x 27.41")	441 x 62 x 696 mm (17.37" x 2.44" x 27.41")	441 x 62 x 696 mm (17.37" x 2.44" x 27.41")
			Weight	Approx. 6.6 kg (14.6 lbs.)	Approx. 6.7 kg (14.8 lbs.)	Approx. 6.6 kg (14.6 lbs.)
		Power box	Dimensions (W x H x D)	400 x 42 x 338 mm (15.75" x 1.66" x 13.31")	400 x 42 x 338 mm (15.75" x 1.66" x 13.31")	300 x 62 x 318 mm (11.82" x 2.44" x 12.52")
			Weight	Approx. 2.5 kg (5.6 lbs.)	Approx. 2.5 kg (5.6 lbs.)	Approx. 2.2 kg (4.9 lbs.)
Operating time		24 h/day <sup>3</sup>				

1: Based on IEC 62087 Ed.2 measurement method. 2: Excluding the hook. 3: In case of running for a long time, the moving image is recommended to be displayed.

## Optional Accessories

- **Mobile Stand**  
TY-ST110AD1 (for 110-inch)
- **LED Module**  
TY-MD19AS1 (for 165 inch)  
TY-MD15AS1 (for 137 inch)  
TY-MD12AS1 (for 110 inch)
- **Power Box**  
TY-PWRBX3W (for 165-inch)  
TY-PWRBX2W (for 137-inch)  
TY-PWRBX1W (for 110-inch)
- **Control Box**  
TY-CTRFHD3W (for 165-inch)  
TY-CTRFHD2W (for 137-inch)  
TY-CTRFHD1W (for 110-inch)

\*Purchase of this optional product is recommended for maintenance purposes.

## Related Products (Optional)

The availability varies depending on country or region and model.

- **12G-SDI Terminal Board**  
TY-SB01QS
- **DIGITAL LINK Terminal Board**  
TY-SB01DL
- **Wireless Presentation System Receiver Board**  
TY-SB01WP

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All information included here is valid as of January 2026.

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