



Planar TWA Series LED Video Wall

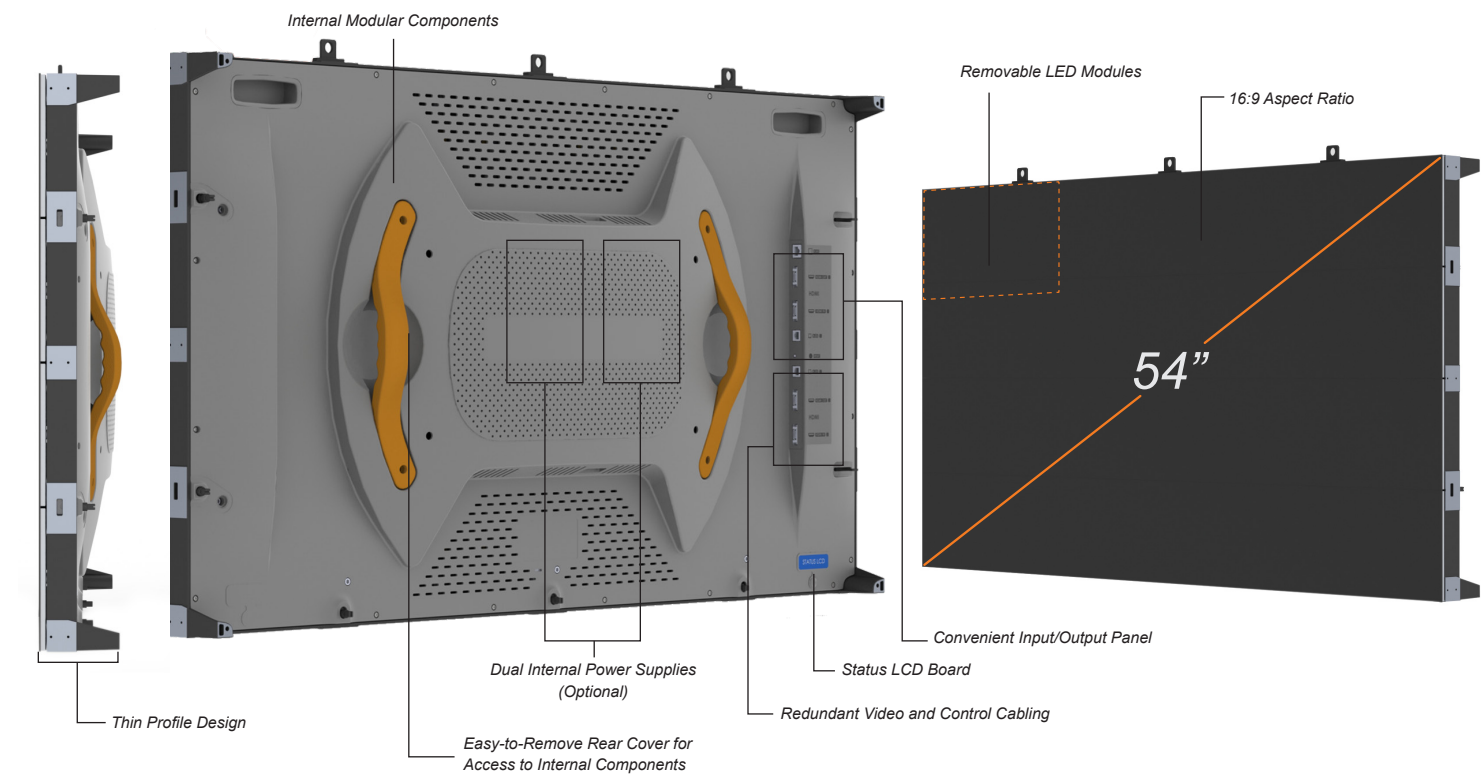


Innovative Design with Leading Power Efficiency

The Planar® TWA Series is a line of fine pitch LED video walls available in 0.9, 1.2 and 1.8 millimeter pixel pitches. Architected to support the highest in pixel density, the Planar TWA Series delivers benefits unique to its “flat panel” design including a 16:9 form factor optimized for the most popular high resolution standards, ease of installation and service, as well as outstanding flatness and uniformity. With a slim 54” cabinet, power-efficiency and the finest of pixel pitches, Planar TWA Series LED video walls deliver the pixel density and form-factor to rival LCD and rear projection video walls, but with a truly seamless video wall configuration of any size.

Unique Architecture and Benefits by Design

The Planar TWA Series was designed by LED video wall experts to address the challenges of LED video wall installations. Every Planar TWA Series LED video wall display is designed for long-duty cycles, and is available with a redundant video and power option to ensure continuous operation in demanding applications. The larger 54" cabinet means more of the video wall is factory-aligned, easing installation time and costs with fewer displays to align and seams to perfect at installation. Larger displays also mean fewer cabinets are needed to create a video wall, reducing potential points-of-service. Redundancy options and modular internal components reduce downtime and speed serviceability.



16:9 Aspect Ratio — 4K Optimized

17.7ft / 5.4m								
15.5ft / 4.7m								
13.3ft / 4.1m								
11.1ft / 3.4m								
8.9ft / 2.7m								
6.6ft / 2.0m								
4.4ft / 1.4m								
	7.9ft / 2.4m	11.8ft / 3.6m	15.7ft / 4.8m	19.7ft / 6.0m	23.6ft / 7.2m	27.6ft / 8.4m	31.5ft / 9.6m	
Models	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8
Planar TWA0.9	1280 x 720	2560 x 1440	3840 x 2160	5120 x 2880	6400 x 3600	7680 x 4320	8960 x 5040	10240 x 5760
Planar TWA1.2	960 x 540	1920 x 1080	2880 x 1620	3840 x 2160	4800 x 2700	5760 x 3240	6720 x 3780	7680 x 4320
Planar TWA1.8	640 x 360	1280 x 720	1920 x 1080	2560 x 1440	3200 x 1800	3840 x 2160	4480 x 2520	5120 x 2880
		Full HD 1920 x 1080	4K 3840 x 2160	8K 7680 x 4320				

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CHANNEL



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Leading Image Quality

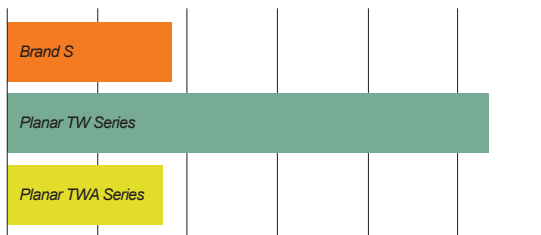
Planar TWA Series LED video walls deliver a crisp, high contrast image using the highest quality black LEDs, black solder mask and Planar® MicroGrid Shader™, enabling the deepest level of black. Wide viewing angles deliver excellent off-axis uniformity while advanced calibration provides maximum full color and brightness uniformity across even the largest video walls with no visible seams.

Planar TWA Series displays ensure truly seamless images with its unique mechanical design and software. The Planar TWA Series allows 20 points of alignment per display, ensuring perfect physical alignment. The Windows®-based Planar® LED ToolBox Software allows for fine-grain image optimization. With a 16:9 form factor and exact compatibility with the most widely-used resolutions, Planar TWA Series displays make content development and video wall processing easier out-of-the-box.

Industry-Leading Power Efficiency

The Planar TWA Series delivers reduced power utilization by as much as 35% and compares favorably to the industry's low-power LED video walls. Multiple Planar TWA Series cabinets can be powered by a single 15-amp circuit. Planar TWA Series displays support a unique low power standby mode with black screen to consume significantly less power when the video wall is not in use.

**Measured Power
Utilization per m²
(600 nits)**



**Measured Power
Utilization per m²
(Full Black)**



Broad Compatibility

The Planar TWA Series delivers broad compatibility with leading image processing and content management systems, including the Clarity® Visual Control Station™ (VCS™) Video Wall Processor. Clarity VCS is a flexible and easy-to-use video wall controller design to drive high resolution LED video walls.

The all-in-one hardware and software solution can be locally or remotely controlled, providing the ultimate in video wall processing for Planar TWA Series LED video walls.



Clarity VCS Video Wall Processor combined with Planar TWA Series LED video walls delivers a complete all-in-one solution.

PLANAR TWA SERIES SPECIFICATIONS

Model	TWA0.9	TWA1.2	TWA1.8
Pixel Pitch	0.9375mm	1.25mm	1.875mm
Display Resolution	1280 x 720	960 x 540	640 x 360
Pixel Density (pixels)	1,137,777/sq m 105,703/sq ft	640,000/sq m 59,458/sq ft	284,444/sq m 26,422/sq ft
LED type	Commercial grade 3-in-1 Black SMD		
Brightness Max (cd/sq. m)	600	800	800
Color Gamut	100% NTSC		
Contrast Ratio	>6000:1		
LED Refresh Rate	1920Hz	3000Hz	5100Hz
Color Temperature, adjustable (k)	3200 - 9300		
Viewing Angle, Horizontal	160°		
Viewing Angle, Vertical	140°		
LED Lifetime: Typical	100000hrs		
Display Size (W x H x D)	1200 x 675 x 100mm 47.24 x 26.57 x 3.94in		
Display Weight (kg/display)	30kg 66.1lb		
Power Consumption, Max. (watts)	440/Display 543/sq m		
Power Consumption, Typ (watts)	132/Display 162/sq m		
Video Inputs	2x HDMI in, 2x HDMI out		
HDCP Compliant	Yes		
Video Input Resolution Maximum	1920 x 1080 @ 60Hz		
Frame Rate	50, 60Hz		
Control Input Type	RS232 or Ethernet		
Line Voltage	100-240V AC, 50/60Hz autoranging		
Power Supply	Single. Dual optional		
Acoustic Noise	Fanless Operation		
Operating Temperature (degrees F/C) 10-80% relative humidity, non-condensing	-10° to 40° C -14° to 104° F		
Storage Temperature (degrees F/C) 10-85% relative humidity, non-condensing	-20° to 60° C -4° to 140° F		
Regulatory Compliance	NRTL UL 60950-1, FCC Class A, CE EN60950-1, EN 55032 Class A and EN55024, WEEE, CISPR 32/2015		

Visit www.Planar.com for full list of product specifications.

