



Industry's First Flat Panel LED Video Wall

The Leyard® TW Series is a line of fine pitch LED video walls available in 1.2, 1.8 and 2.5 millimeters pitches. The Leyard TW Series is architected to support the highest pixel density and deliver 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, and outstanding flatness and uniformity. With a slim 54" cabinet and the finest pixel pitches, Leyard TW Series LED video walls deliver the pixel density and form-factor to match LCD and Rear Projection video walls, but with a truly seamless video wall configuration of any size.

Leyard TW Series displays are self-contained displays with standard HDMI inputs and looping, along with optional redundant configurations. 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 mean fewer displays are needed to create a video wall, reducing potential points of service. With a 16:9 form factor and exact compatibility with the most widely-used resolutions, Leyard TW Series LED video wall displays make content development and video wall processing easier out-of-the-box.

Leyard TW Series LED video walls deliver a crisp, high contrast image using the highest quality black LEDs, black solder mask and 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.

Every Leyard TW Series LED video wall display is designed for long-duty cycles, long life and is available with a redundant video and power option to ensure continuous operation for demanding operations.

LEYARD TW SERIES

Product Name	TW1.2	TW1.8	TW2.5
Part Number	TW1.2	TW1.8	TW2.5
Pixel Pitch	1.250mm	1.875mm	2.500mm
Resolution (per LED Cabinet)	960x540	640x360	480x270
Pixel Density	59,450 per sq. foot (640,000 per sq. meter)	26,422 per sq. foot (284,444 per sq. meter)	14,862 per sq. foot (160,000 per sq. meter)
Pixel Density (Pixels per LED Cabinet)	518,400	230,400	129,600
LED Cabinet Size (W x H x D)	47.24" x 26.57" x 3.94" (1,200 mm x 675 mm x 99 mm) (cabinet only, not including mount)		
LED Cabinet Diagonal	54.21" (1,377 mm)		
LED Cabinet area	8.72 sq. feet (0.81 sq. meters)		
LED Cabinet Weight	60.6 lb (27.5 kg)		
Bezel Width	None		
LED Type	3-in-1 Black SMD		
Pixel Configuration	SMD 3-in-1 (1R1G1B)		
LED Configuration	1 Red, 1 Green, 1 Blue		
Brightness, Uncalibrated, Calibrated	NA, 600 nits		
Brightness, Uniformity	97%		
Viewing Angle (Horizontal/Vertical)	160°/ 140°		
Color Space	92% NTSC		
Color Uniformity	97%		
Color Temperature, Adjustable (k)	3,000 - 10,000		
Contrast Ratio	6000:1		
Frame Rate	50, 60 Hz		
LED Refresh Rate	3,000 Hz	5,100 Hz	5,100 Hz
Power Consumption, Maximum (watts)	450/cabinet, 555/m ²	470/cabinet, 580/m ²	470/cabinet, 580/m ²
Power Consumption, Typical (watts)	150/cabinet, 185/m ²	160/cabinet, 200/m ²	160/cabinet, 200/m ²
Runtime Duty Cycle	24x7		
Lifetime: Typical	50,000 hours to half brightness		
Acoustic noise	Fanless Operation		
Operating Temperature/Humidity (degrees F/C, relative humidity)	+14° to +104°F (-10° to +40°C) at 10-80% RH		
Storage Temperature/Humidity (degrees F/C, relative humidity)	-4° to 140°F (-20° to +60°C) at 10-85% RH		
Adjustable Mount	Optional		
Environment/Application	Indoor; fixed		
Installation, Service	Rear		
Standard Mounting Configurations	Fixed, Self Standing		
Power Supply Type	Integrated		
Redundancy	Optional dual power supply, optional redundant video cabling		
Line Voltage	110-240 Volts AC, 50 & 60Hz		
Video Input Type	HDMI		
Video Input Resolution Maximum	1920x1080 @ 50, 60 Hz		
Display Control	Leyard® Control Software included		
Control Input Type	RS232 or Ethernet		
Warranty	2 year limited warranty		
Professional Services	Install, Service		