



Industry-Leading Fine-Pitch LED Video Wall Solution

The Leyard® TVH Series is a line of high performance, fine pitch LED video walls available in 1.6, 1.9 and 2.5 millimeter pixel pitches. The Leyard TVH Series delivers industry-leading image quality and features an advanced design offering high reliability for a range of demanding indoor applications.

Leyard TVH Series LED video walls feature a single architecture across all three pitches and share form-factor, mounting options, software control and power and video systems - ensuring the Leyard TVH Series fits a wide range of fine-pitch applications and environments. Compact 19.5" (400mm x 300mm) LED cabinets are easy to handle and provide an exact fit for any video wall size or configuration, including concave curved installations. Optimized for a 16:9 aspect ratio, Leyard TVH Series LED video wall displays easily scale for existing Full HD content and sources. The Leyard TVH Series delivers a crisp, high contrast image with its black resin 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. Every Leyard TVH Series LED video wall display is available with a redundant video and power option to ensure continuous operation for demanding operations.

The Leyard TVH Series has been successfully deployed for a wide range of demanding indoor applications. The sleek cabinets can be mounted in smoothly-faceted curved video walls, precisely fit to nearly any video wall size and are fanless and quiet for low-noise environments. The product includes control software so the video wall can be finely tuned for the needs of the particular application, delivering a finely-calibrated and seamless video wall canvas for each specific installation.

LEYARD TVH SERIES

Product Name	TVH1.6	TVH1.9	TVH2.5
Planar Part Number	TVH1.6	TVH1.9	TVH2.5
Pixel Pitch	1.667mm	1.923mm	2.500mm
Pixel Density	33,488 per sq. foot (360,000 per sq. meter)	25,153 per sq. foot (270,400 per sq. meter)	14,884 per sq. foot (160,000 per sq. meter)
Resolution (per LED Cabinet)	240x180	208x156	160x120
Contrast Ratio	2,100:1	3,000:1	3,000:1
Bezel Width	None		
LED Type	3-in-1 Black SMD		
Environment/Application	Indoor; Fixed, Rental Optional		
Standard Mounting Configurations	Fixed, Self Standing		
LED Cabinet Size (W x H x D)	15.75" x 11.81" x 3.66" (400 mm x 300 mm x 93 mm) (cabinet only, not including mount)		
LED Cabinet Diagonal	19.69" (500 mm)		
LED Cabinet area	1.29 sq. feet (0.12 sq. meters)		
LED Cabinet Weight	13.9 lb (6.3 kg)		
Installation, Service	Rear		
Pixel Configuration	SMD 3-in-1 (1R1G1B)		
LED Configuration	1 Red, 1 Green, 1 Blue		
LED Surround	Black		
Brightness	800 nits		
Brightness, Uniformity	97%		
Viewing Angle	160° (horizontal), 140° (vertical)		
Color Space	92% NTSC		
Color Uniformity	97%		
Colors	280 trillion		
Color Temperature, Adjustable (k)	3,200-9,300		
Color Processing	12 bits		
Frame Rate	50, 60 Hz		
LED Refresh Rate	3,000 Hz		
Power Consumption, Maximum (watts)	100/module, 830 per sq. meter		
Power Consumption, Typical (watts)	30/module, 250 per sq. meter		
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		
Power Supply Type	Integrated		
Redundancy	Optional dual power supply, optional redundant video cabling		
Line Voltage	100-240 Volts AC, 50 & 60Hz		
Video Input Type	HDMI		
Display Control	Leyard® Control Software included		
Control Input Type	RS232 or Ethernet		
Warranty	2 year limited warranty		
Professional Services	Install, Service		