



Industry-Leading Fine Pitch LED Video Walls

The Leyard® TVH Series is a high performance, fine pitch LED video wall in a 1.6 millimeter pixel pitch with industry-leading image quality, an advanced design and high reliability for a range of demanding indoor applications.

Leyard TVH Series LED video walls feature a single architecture, 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" LED cabinets are easy to handle and provide an exact fit for any video wall size or configuration. Optimized for a 16:9 aspect ratio, Leyard TVH Series displays easily scale for existing Full HD content and sources. The Leyard TVH Series delivers a crisp, high contrast image with its black resin Leyard® 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 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 SPECIFICATIONS

Product Name	TVH1.6
Pixel Pitch	1.667mm
Pixel Density	33,488/sq ft 360,000/sq m
Resolution <i>(per LED Cabinet)</i>	240x180
Contrast Ratio	2100:1
Bezel Width	None
LED Type	3-in-1 Black SMD
Environment/Application	Indoor; Fixed, Rental Optional
Standard Mounting Configurations	Fixed, Self Standing
Display Size <i>(W x H x D)</i>	15.75 x 11.81 x 3.66in 400 x 300 x 93mm (cabinet only, not including mount)
LED Cabinet Diagonal	19.69in 500mm
LED Cabinet area	1.29sq ft 0.12sq m
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 <i>(k)</i>	3200-9300
Color Processing	12 bit
Frame Rate	50, 60 Hz
LED Refresh Rate	3000 Hz
Power Consumption, Max. <i>(watts)</i>	100/module, 830/sq m
Power Consumption, Typ <i>(watts)</i>	30/module, 250/sqm
Runtime Duty Cycle	24x7
Lifetime: Typical	50,000 hours to half brightness
Acoustic Noise	Fanless Operation
Operating Temperature <i>(degrees F/C) relative humidity, non-condensing</i>	+14° to +104°F (-10° to +40°C) at 10-80% RH
Operating Temperature <i>(degrees F/C) relative humidity, non-condensing</i>	-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

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