



Leyard TWS1.8

LED Video Wall

The Leyard® TWS1.8 is a fine pitch LED video wall display with a 1.8 millimeter pixel pitch. With a 27" cabinet, it features a 16:9 aspect ratio designed for Ultra HD resolution, is easy to handle and install, and works nicely for concave video walls. The Leyard TWS1.8 combines outstanding image quality, low power consumption and a mission-critical design with redundant power and video options.



SPECIFICATION	DETAIL
Product Name	TWS1.8
Pixel Pitch	1.875mm
LED Type	Commercial grade 3-in-1 Black SMD
LEDs per Cabinet	57,600
Pixel Density	284,444 / sq m 26,422 / sq ft
Cabinet Resolution	320 x 180
Cabinet Size (W x H x D)	600 x 337.5 x 95mm 23.62 x 13.28 x 3.74in
Cabinet Diagonal	688.5mm 27.1 in
Cabinet Area	0.2025 sq m 2.18 sq ft
Modules/Cabinet (W x H)	2 x 2
Module Resolution	160 x 90
LEDs per Module	14,440
Module Size	300 x 168.75mm 11.81 x 6.64in
Power Consumption, Maximum (watts)	140 / Display 700 / sq m
Power Consumption, Typical (watts)	48 / Display 240 / sq m
Line Voltage	100-240V AC, 50/60Hz autoranging
Cabinet Weight (per display)	4.7 kg 10.4 lb
Cabinet Weight (per m ²)	23.3 kg / sq m 51.2 lbs / sq m
Brightness Max (cd / sq m)	>800

Contrast Ratio	> 6,000:1
Brightness Uniformity	>97%
Color Uniformity	>97%
Color Gamut	100% NTSC
LED Refresh Rate	3000 Hz
Color Temperature, Adjustable (k)	3,200 - 9,300
Viewing Angle, Horizontal	160°
Viewing Angle, Vertical	140°
LED Surround	Leyard® MicroGrid Shader™
Video Inputs	2x HDMI in, 2x HDMI out; HDCP Compliant
Video Input Resolution Maximum	1920 x 1080 @ 60Hz
Frame Rate	50, 60Hz
Control Input Type	RS232 or Ethernet
Gray Scale Processing	16-bit
Service Access	Rear
LED Lifetime: Typical	100,000 hrs
Environment	Indoor
Power Supply	Single. Dual optional
Protection	IP30, Leyard® ERO-LED™ Technology (optional)
Acoustic Noise	Fanless Operation
Operating Temperature/Humidity (degrees F/C) 10-80% relative humidity, non-condensing	-10° to 40° C -14° to 104° F
Storage Temperature/Humidity (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 EN 55024, WEEE, CISPR 32/2015