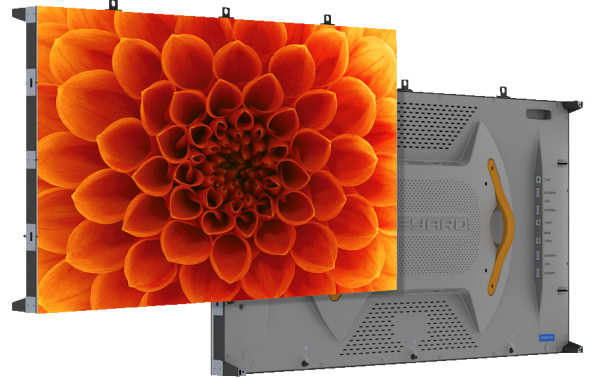# Leyard TWA1.8
LED Video Wall

The Leyard® TWA1.8 is a fine pitch LED video wall display with a 1.8 millimeter pitch. The Leyard TWA1.8 delivers benefits unique to its "flat panel" design including enhanced image quality, a 16:9 form factor optimized for the most popular high resolutions, ease of installation and service, and outstanding flatness and uniformity. With a power-efficient design, the Leyard TWA1.8 significantly reduces power utilization while delivering additional image optimization features.

SPECIFICATION	DETAIL
Product Name	TWA1.8
Pixel Pitch	1.875mm
LED Type	Commercial grade 3-in-1 Black SMD
Cabinet Resolution	640 x 360
LEDs per Cabinet	230,400
Pixel Density	284,444 / sq m	26,422 / sq ft
Cabinet Size (W x H x D)	1,200 x 675 x 100mm	47.24 x 26.57 x 3.94in
Cabinet Diagonal	1,377mm	54.21in
Cabinet Area	0.81 sq m	8.718 sq ft
Modules/Cabinet (W x H)	5 x 4
Module Resolution	128 x 90
LEDs per Module	11,520
Module Size	240 x 168.75mm	9.44 x 6.64in
Power Consumption, Maximum (watts)	440 / Cabinet	543 / sq m
Power Consumption, Typical (watts)	132/ Cabinet	162 / sq m
Line Voltage	100-240V AC, 50/60Hz autoranging
Cabinet Weight (per display)	30 kg	66.1 lb
Cabinet Weight (per m²)	37 kg / sq m	81.6 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	5100 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