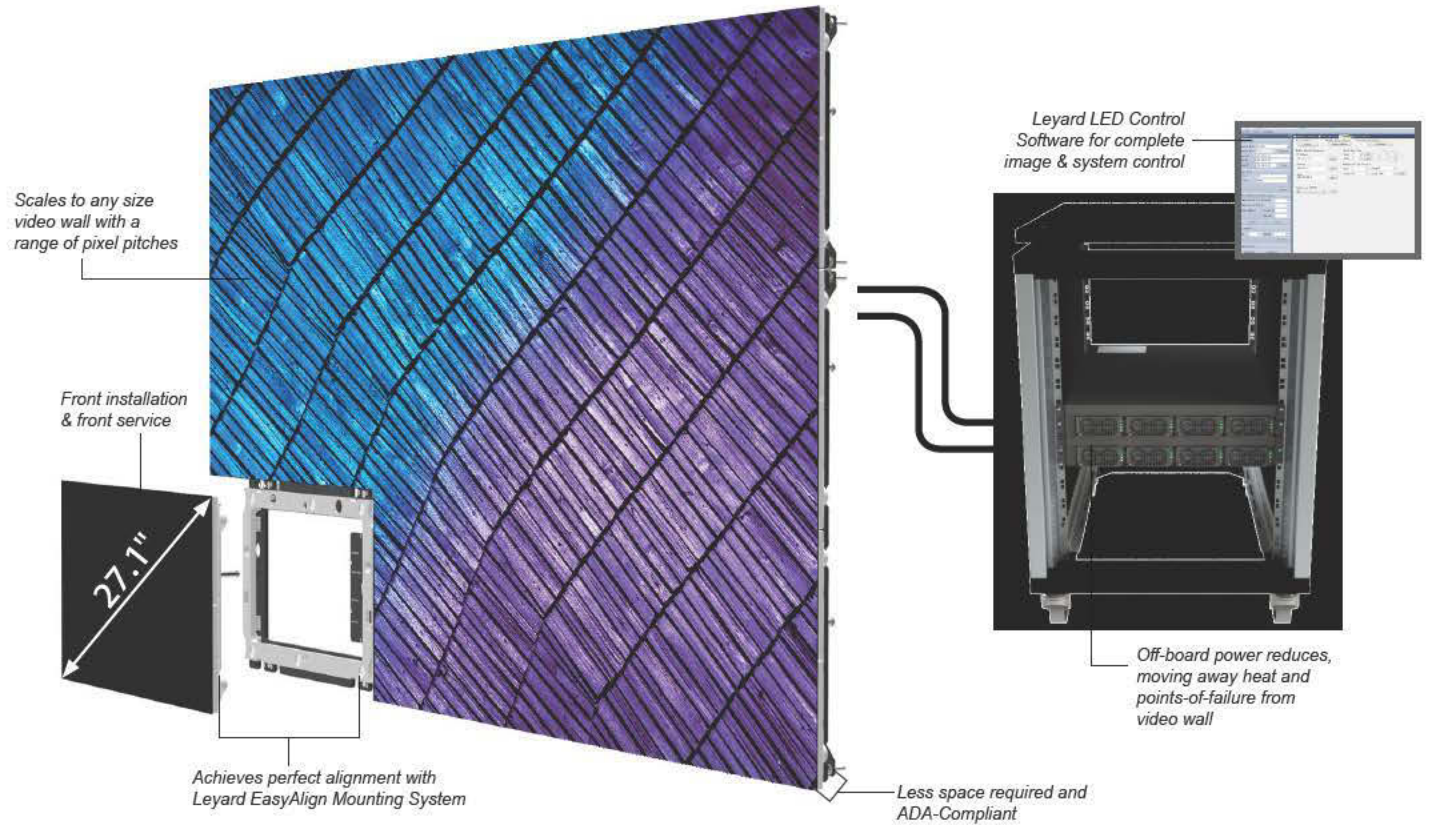# Next-Generation LED Video Wall Solution

The next-generation Leyard® DirectLight® LED Video Wall System is a family of seamless, ultra-fine pitch direct view LED video wall displays from the worldwide leader in fine pitch LED. Available in 0.7, 0.9, 1.2, 1.5, 1.8 and 2.5 millimeter pixel pitches, Leyard DirectLight features a next-generation design that delivers a premier LED video wall solution.

Leyard DirectLight displays are designed to mount directly to the wall and come standard with an innovative, adjustable mounting system and full front service access. The displays are optimized for minimum depth and feature a remote rack mount power supply that reduces heat, noise and complexity at the video wall, while offering fast hot swap replacement and optional redundancy. The combination of ultra-fine pitch and 16:9 form factor means every Leyard DirectLight display is designed to hit Full HD, 4K and 8K resolutions exactly, while accommodating a wide range of installation types.

Engineered for Performance

Engineered by LED video wall experts, Leyard DirectLight's next-generation design addresses the challenges and unique benefits of fine pitch LED. The architecture uniquely addresses mounting, alignment, space constraints, reliability, fault-tolerance, fast service, power efficiency, scalability and long life, resulting in superior visual performance and value to the customer.
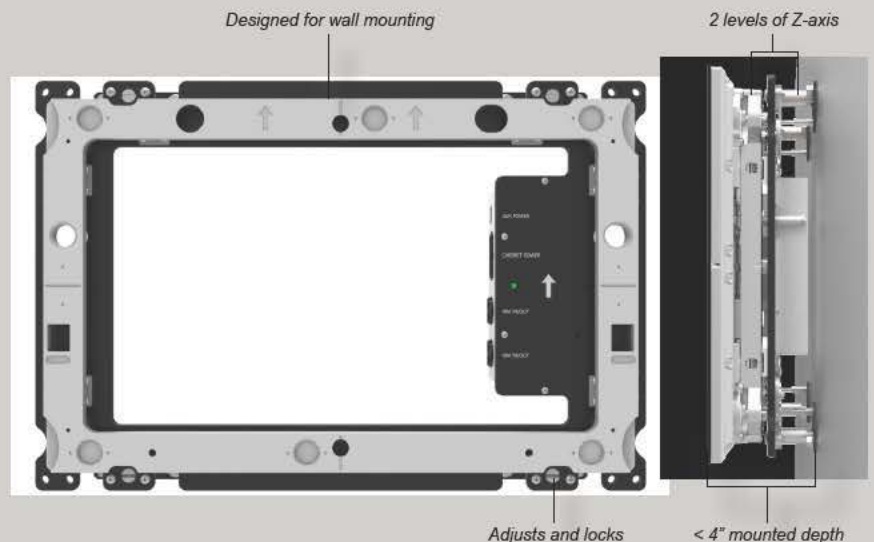
Leyard DirectLight LED video walls include Leyard DirectLight LED displays, the Leyard® EasyAlign™ Mounting System, DirectLight® Remote Power Supply (RPS), Leyard® LED Control Software, programmable command set, as well as cabling for video, power and control.

Leyard LED Control Software for complete image & system control

Scales to any size video wall with a range of pixel pitches

Front installation & front service

27.1"

Achieves perfect alignment with Leyard EasyAlign Mounting System

Off-board power reduces, moving away heat and points-of-failure from video wall

Less space required and ADA-Compliant

Leyard EasyAlign Mounting System for Precision Alignment, and Front Service

With the Leyard EasyAlign Mounting System, Leyard DirectLight LED video walls occupy less than 4" (25.4mm) of depth from the wall, making it exceedingly thin and compliant with the Americans with Disability Act (ADA).

Unique 6-axis alignment features ensure the video wall is perfectly aligned and seamless. The mount enables front service access to not only the LED display, but to all components and cabling in the video wall. Positive locking features ensure the video wall never shifts and enables safe installations with forward tilt (up to 10°) while enabling 90° corner installations and faceted curved video walls – all with the Leyard EasyAlign Mounting System.
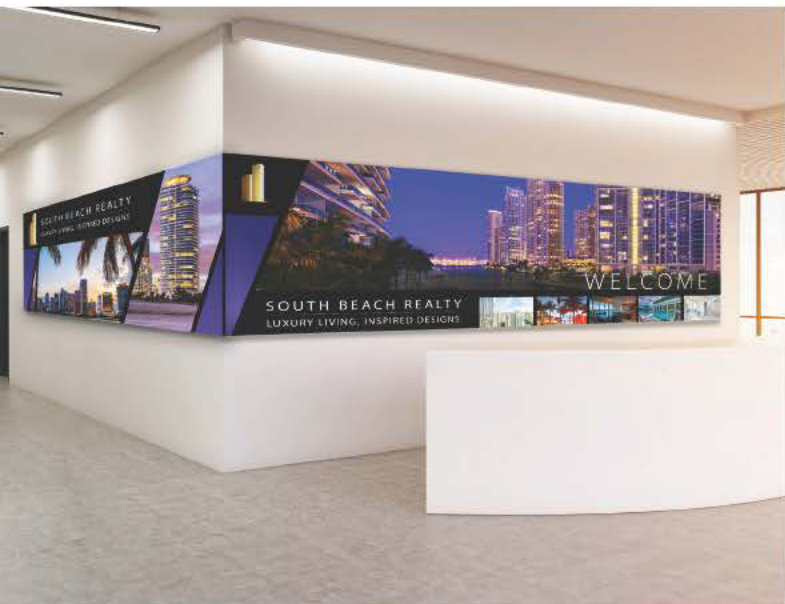

Designed for wall mounting

2 levels of Z-axis

Adjusts and locks

< 4" mounted depth

Efficient and Reliable Remote Pow[er]

Leyard DirectLight includes Leyard's most advanced remote power supply, the DirectLight® Remote Power Supply (RPS). The DirectLight RPS fits in a standard 19" rack and takes heat, depth, noise, weight and service points away from the video wall and into a convenient, well-ventilated rack room. It features n+1 redundant, hot swap power modules and is available with 110V and 220V power. With the 220V power module, even greater power density per rack unit and efficient circuit use is provided.

The DirectLight RPS features a low power standby mode for video walls not operating 24x7 and offers features for control and monitoring.

Installation Flexibility by Design

Leyard DirectLight delivers greater display adaptability to bring a wider range of cutting-edge and innovative installations to life. With its flexible design, Leyard DirectLight unlocks designs beyond traditional, flat video wall installations.

Leyard DirectLight uses the same mounting components for flat, wall-mounted installations, as well as applications that require seamless curved, 90° corner wraps or a forward-tilted video wall.

Leyard DirectLight is well-suited for:

- **90° Corner Wrap** - supported with only 15mm (0.59") gap
- **10° Forward Tilt** - often for tall installations
- **Curve** - delivers seamless faceted curved video walls

Ultra-High Resolution

Leyard DirectLight displays feature a 16:9 aspect ratio and precise pitch values that ensure every model achieves exact Full HD, 4K or 8K resolutions. Leyard DirectLight displays can also be configured in any video wall configuration to meet the widest range of application requirements.

Models	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10	11 x 11	12 x 12
DL2-0.7	768 × 432	1536 × 864	2304 × 1296	3072 × 1728	3840 × 2160	4608 × 2592	5376 × 3024	6144 × 3456	6912 × 3888	7680 × 4320	8448 × 4752	9216 × 5184
DL2-0.9	640 × 360	1280 × 720	1920 × 1080	2560 × 1440	3200 × 1800	3840 × 2160	4480 × 2520	5120 × 2880	5760 × 3240	6400 × 3600	7040 × 3960	7680 × 4320
DL2-1.2	480 × 270	960 × 540	1440 × 810	1920 × 1080	2400 × 1350	2880 × 1620	3360 × 1890	3840 × 2160	4320 × 2430	4800 × 2700	5280 × 2970	5760 × 3240
DL2-1.5	384 × 216	768 × 432	1152 × 648	1536 × 864	1920 × 1080	2304 × 1296	2688 × 1512	3072 × 1728	3456 × 1944	3840 × 2160	4224 × 2376	4608 × 2592
DL2-1.8	320 × 180	640 × 360	960 × 540	1280 × 720	1600 × 900	1920 × 1080	2240 × 1260	2560 × 1440	2880 × 1620	3200 × 1800	3520 × 1980	3840 × 2160
DL2-2.5	240 × 135	480 × 270	720 × 405	960 × 540	1200 × 675	1440 × 810	1680 × 945	1920 × 1080	2160 × 1215	2400 × 1350	2640 × 1485	2880 × 1620
Video Wall Size												
Feet (WxH)	2.0×1.1ft	3.9×2.2ft	5.9×3.3ft	7.9×4.4ft	9.8×5.5ft	11.8×6.6ft	13.8×7.7ft	15.7×8.9ft	17.7×10ft	19.7×11.1ft	21.6×12.2ft	23.6×13.3ft
Meters (WxH)	0.6×0.34m	1.2×0.67m	1.8×1.0m	2.4×1.3m	3×1.6m	3.6×2.0m	4.2×2.3m	4.8×2.7m	5.4×3.0m	6×3.3m	6.6×3.7m	7.2×4.0m
Area	0.20sqm	0.81sqm	1.82sqm	3.24sqm	5.06sqm	7.29sqm	9.92sqm	12.96sqm	16.40sqm	20.25sqm	24.50sqm	29.16sqm
Diagonal	27in	54in	81in	108in	136in	163in	190in	217in	244in	271in	298in	325in

Full HD 1920 x 1080   **4K** 3840 x 2160   **8K** 7680 x 4320

LEYARD DIRECTLIGHT LED VIDEO WALL SYSTEM SPECIFICATIONS

Model	DL2-0.7	DL2-0.9	DL2-1.2	DL2-1.5	DL2-1.8	DL2-2.5
Pixel Pitch	0.781mm	0.9375mm	1.25mm	1.5625mm	1.875mm	2.5mm
Display Resolution	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180	240 x 135
Pixel Density (pixels)	1,638,400/sq m 152,212/sq ft	1,137,777/sq m 105,703/sq ft	640,000/sq m 59,458/sq ft	409,600/sq m 38,053/sq ft	284,444/sq m 26,426/sq ft	160,000/sq m 14,864/sq ft
LED type	Commercial grade 3-in-1 Black SMD					
LED surround	Black Solder Mask			Leyard® MicroGrid Shader™		
Brightness Max (cd/sq. m)	>800					
Color Gamut	100% NTSC					
Contrast Ratio	>6000:1					
LED Refresh Rate	1920Hz	1920 Hz	3000Hz	3000Hz	3000Hz	3000Hz
Color Temperature, adjustable (k)	3200 - 9300					
Brightness Uniformity	≥97%					
Color Uniformity	≥97%					
Viewing Angle, Horizontal	160°					
Viewing Angle, Vertical	140°					
LED Lifetime: Typical	100000hrs					
Display Size (W x H x D)	600 x 337.5 x 95mm	23.62 x 13.28 x 3.74in					
Mounted Depth	< 4", ADA Compliant					
Display Weight (kg/display)	6.6kg	14.5lb					
Mount Weight per Display (kg/display)	3.2kg	7lb					
Power Consumption, Max. (watts)	150/Display	741/sq m					
Power Consumption, Typ (watts)	50/Display	247/sq m					
Acoustic Noise	Fanless Operation					
Operating Temperature (degrees F/C) 10-80% relative humidity, non-condensing	-10° to 40° C	-14° to 104° F					
Regulatory Compliance	NRTL UL 60950-1, FCC Class A, CE EN60950-1, EN 55032 Class A and EN55024, WEEE, CISPR 32/2015					

VIDEO INPUT

Video Inputs	2x HDMI in, 2x HDMI out
HDCP Compliant	Yes
Video Input Resolution Maximum	1920 x 1080 @ 60Hz
Frame Rate	50, 60Hz
Video Signal Extension Options	CAT6 and Fiber Optic
Video Signal Redundancy	Optional
Video Extension Redundancy	Optional
Display Control	DirectLight Control Software included
Control Input Type	RS232 or Ethernet

MECHANICAL

Wall Mount	Leyard EasyAlign Mounting System included
Installation and Service Access	Front
Display Position Adjustment	6-axis adjustment in Leyard EasyAlign mount
Americans with Disability Act (ADA) Compliance	Yes, less than 4" clearance from wall
Corner Installation	90° corner, 15mm seam
Forward Tilt	up to 10°
Concave Curve	up to 30° facets

REMOTE POWER SUPPLY

Model	RPS110	RPS220
Type	1RU rack mount; 19" rack	1.5RU rack mount; 19" rack
Line Voltage	100-240 Volts AC autoranging	200-240 Volts AC autoranging
Power Output	1200W per output	
Power Supply Configurations	1, 2 or 3 outputs	2, 4 or 6 outputs
Redundancy	n + 1 redundant option	
Hot Swap	Supported for each power supply module	
Low Power Standby Mode	<3W in standby mode	
Power Status	Diagnostic LEDs per power supply module	
Maximum Distance from Wall	200ft (61m) standard, 500ft (152.4m) maximum	

Visit www.Leyard.com for full list of product specifications.