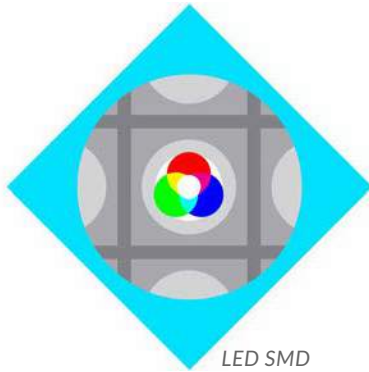


WELCOME TO THE WORLD OF LED



What is an LED Video Wall?

Light-emitting diodes (LEDs) can be found in torches, lamps and the backlight of most LCD screens; essentially they are tiny light bulbs. LED Video Walls comprise of individual LEDs that light up with different colours to create an image; so think of each LED as a pixel. Our ranges of LED Video Walls use surface mounted device (SMD) technology, combining red, green and blue micro LEDs so each pixel can create a full range of colours. LED Video Walls have a modular design so they can be made to fit any space. Content is sent, usually from a media player, to a sending box which then distributes the image to each module and in turn each LED.



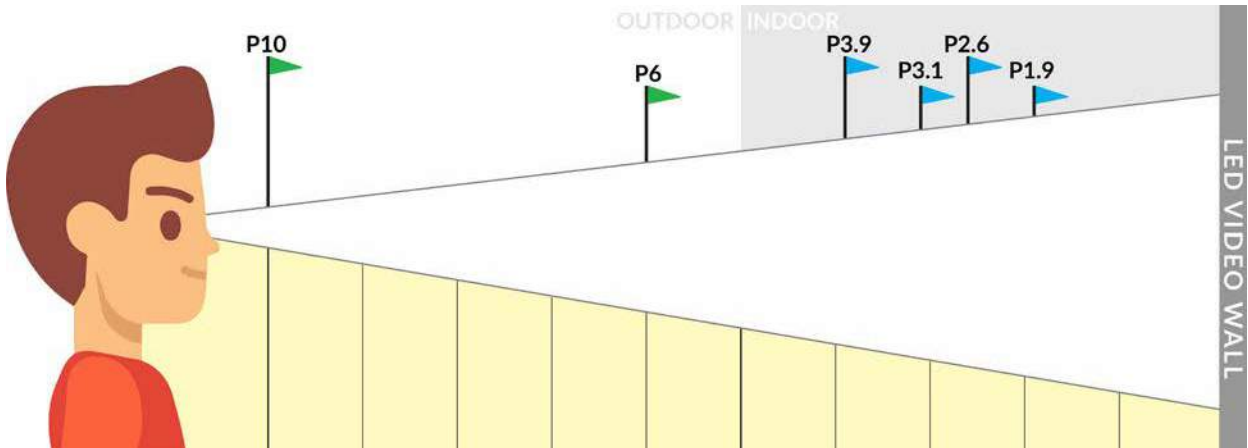
LED Video Walls VS LCD Video Walls

When thinking about Video Wall technology the major choice you will be faced with is whether LED or LCD is the way to go. Both have their unique advantages and strengths depending on your requirements, expectations and resources.

LED Video Wall	LCD Video Wall
Between each module and cabinet there are no seams across the entire display, creating a seamless display.	Between each panel there is an ultra-narrow bezel that can be as thin as 3.5mm screen to screen.
Fill any space thanks to the smaller cabinet sizes and modular design, is not bound to 16:9 aspect ratio.	As standard come in a fixed 16:9 aspect ratio, ideal for displaying High Definition content but more limiting.
Both indoor and outdoor options available.	Can only be used for indoor applications.
Ultra high contrast ratios achieve true blacks and an unbelievable colour range.	Smaller pixel pitch can potentially produce higher resolutions, depending on content and media player.
Bespoke installation required.	More user friendly hardware.
Robust, rugged enclosures.	Very fragile LCD panels can be damaged easily during installation.
Unbelievable levels of brightness can be achieved, ideal for outdoor applications that need to compete with the sun.	Designed specifically for indoor use so not available in high brightness.
Can be accessed from front or rear making maintenance flexible and simple.	Typically use pop-out wall mounts for serviceability.
100,000 hours lifetime.	70,000 hours lifetime.
Premium solution.	Affordable option.

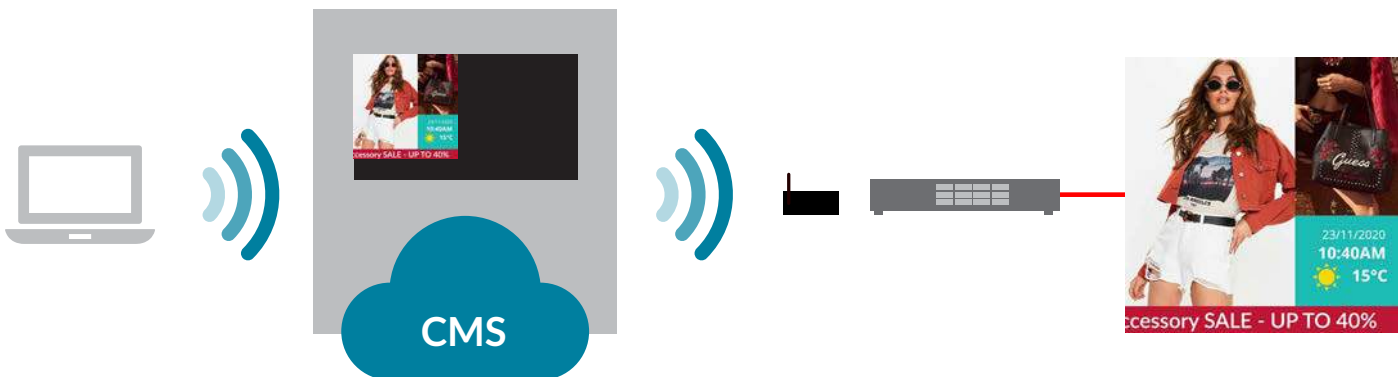
Pixel Pitch

One factor to consider when planning your LED Video Wall project is viewing distance and how pixel pitch plays a part in this. Pixel pitch refers to the distance between each LED/pixel, so in a P6 LED Video Wall there would be 6mm between each pixel, both horizontally and vertically. This is why typically indoor LED Video Walls have lower pixel pitches when compared to outdoor LED Video Walls as you would expect outdoor displays to be viewed from a further distance. When deciding which pixel pitch is right for you, a general rule of thumb is the number after the “P” dictates the optimum viewing distance in meters. For example, the optimum viewing distance for a P6 LED Video Wall is 6 meters or more.



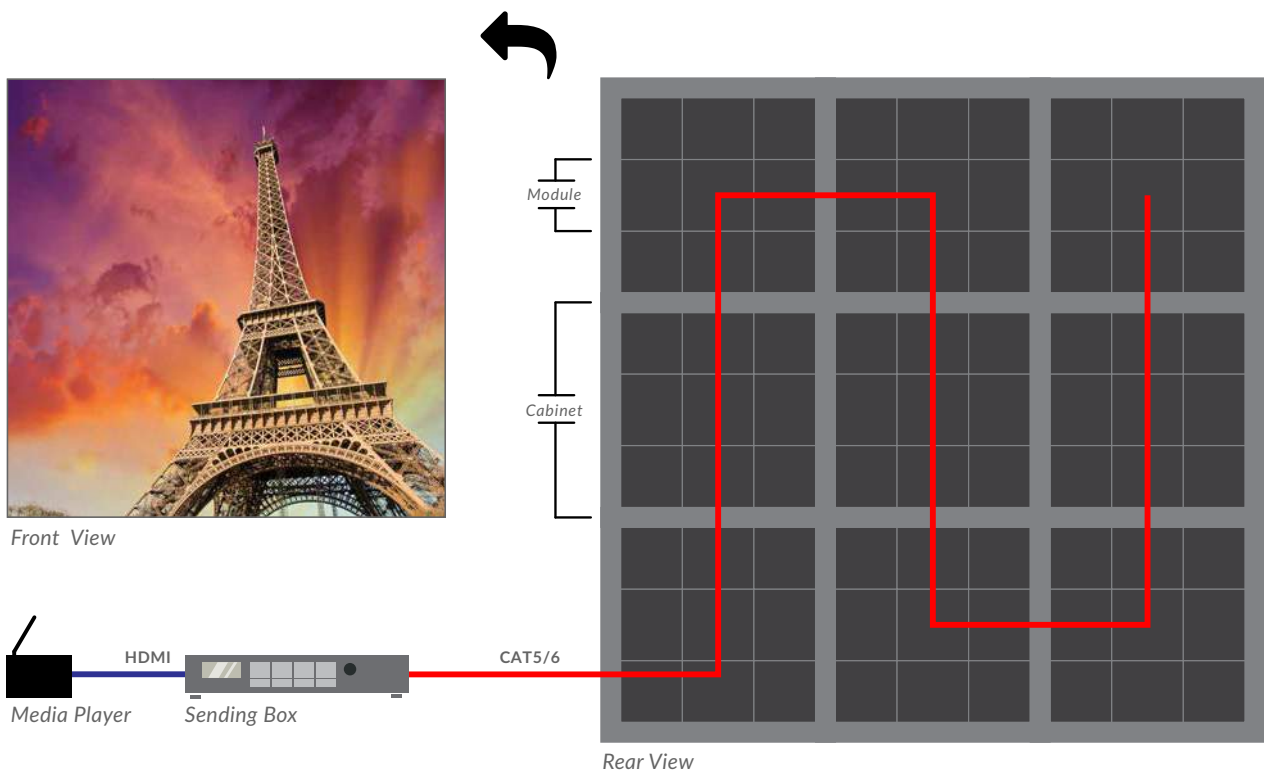
Content Management Systems

All Digital Signage solutions require a commercial display, a media player and a content management system; this theory is no different with an LED Video Walls. Just like with our LCD based Digital Signage solutions, we can provide an all-in-one LED Video Wall solution. By sourcing all of the necessary components from one supplier you can eliminate problems that arise when supporting and maintaining a solution from separate manufacturers and software suppliers. Our software is more streamlined and user-friendly, as we are not competing with traditional Digital Signage software companies who add an abundance of generally redundant features. Using over a decade of industry experience, research and development we have developed a content management system that works in sync with our LED Video Walls.



How Does an LED Video Wall Work?

An LED Video Wall is made up of several components. The first of which is the media player, which sends the content via HDMI to the sending box. The sending box processes this video signal and sends it to the receiving card of the first LED cabinet. Each cabinet, which is comprised of separate LED modules, is then daisy chained to one another using a CAT5 cable to carry this signal.



Indoor and Outdoor LED Video Walls

LED Video Walls allow you to deliver your message on a grand scale and can be a very powerful tool. LED technology allows you to create Video Walls for both indoor and outdoor applications. Iconic locations such as New York's Times Square and London's Piccadilly Circus are dominated by outdoor LED Video Walls and tourists flock to see the advertising displays. LED technology is versatile thanks to protective IP-rated enclosures that shield the display from all outdoor weather conditions. Another huge advantage of LED is brightness; when compared to LCD technology indoor LED Video Walls are also nearly twice as bright. Outdoor LED Video Walls are more than 12 times the brightness of most standard LCD Digital Signage displays to help them compete with direct sunlight.



Installation

Our LED Video Walls can be installed quickly and efficiently due to smart interlocking cabinets and secure magnets. When it comes to installation of an LED Video Wall there are multiple factors that need to be taken into account. Where is the LED Video Wall being mounted; is it going on a wall or a custom built freestanding structure? Is a structural engineer needed? Will extra equipment such as a cherry picker be required? Is the display a permanent install or a temporary rental? How much and what type of power going to be needed? We can provide as much support as necessary when it comes to the installation of your LED Video Wall.

Maintenance

LED is one of the most durable and reliable display technologies available but like any form of equipment it does need to be properly maintained to ensure optimum performance. The failure rate of LED is astonishingly low and even when it does occur the modules can be easily accessed and swapped out. The level of maintenance required can be mitigated by considering certain factors during the design and installation stage, such as making sure there is sufficient ventilation. LED Video Walls are not a 'fit and forget' type of technology and that is why we can offer maintenance packages where appropriate, so you can be sure your LED Video Wall is properly cared for and has a long lifetime of operation.



Indoor LED Video Wall
P1.9 | P2.5 | P3.1 | P3.8



Stunning Image Quality

State of the art SMD-LED technology delivers stunning image quality across the seamless display; certain to garner attention. With advanced video processing technology to produce accurate and vibrant colours with no distortion.



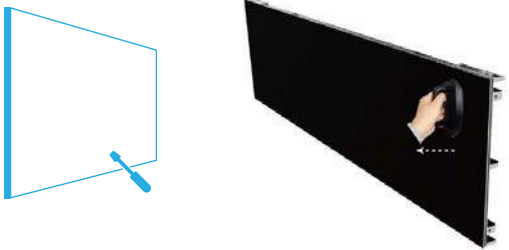
High Brightness

Equipped for all indoor ambient light conditions the 800cd/m2 high brightness display is sure to shine bright and demand your audience's attention.



Easy Front Maintenance

Through an intuitive and easy-to-use maintenance system the LED Video Wall can be serviced from the front of the display. The LED modules can be removed quickly and efficiently for convenient maintenance.



End-to-End Project Management

Every LED Video Wall is unique and each comes with its own challenges. We are here to advise and guide you through every step - from design to installation and even providing maintenance we can provide full end-to-end project management where required.



Design



>> Installation



>> Maintenance

Other Features

Lightweight and Slim Design

Each cabinet weighs just 24kg and has a depth of 40mm meaning that the reduced weight reduces stress on the mounting structure.



Fanless Design

The Indoor LED Video Walls are noise free while in operation thanks to their fanless design. Unlike outdoor applications, which involve lots of ambient noise, indoor projects require a silent solution.



Remote Updates from the Cloud

Take complete control of your LED Video Wall's content with our CMS system. Publish and monitor your content from anywhere in the world via our online portal.



Complete Quality Control

Every step, from production to installation, goes through a strict quality control procedure while quality calibration guarantees consistent image quality across the whole display.



Ultra High Contrast Ratio

With an ultra-high contrast ratio of 6,000:1 the LED Video Walls deliver deeper blacks, vivid colours and clear visibility across the display without sacrificing brightness.



Easy Installation

Their light and compact design as well as magnetic modules, positioning pins and simple cabinet structure make them ideal for either permanent installations or rental jobs.



Optimised Indoor Viewing Distances

The Indoor LED Video Walls are designed for close range viewing distances with a variety of pixel pitch options depending on your budget and requirements.




Bespoke Video Wall Display


Make the most of their modular design as you sculpt the LED Video Wall to fill your space and stand out from the crowd.




Key Features




SMD TECHNOLOGY



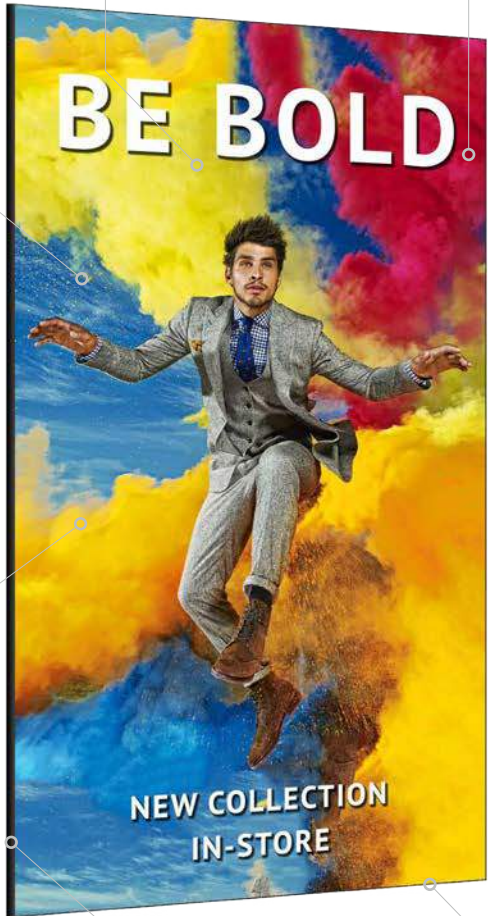
MODULAR DESIGN




SEAMLESS VIDEO WALL




ULTRA HIGH CONTRAST RATIO







QUICK AND EASY INSTALL




LIGHTWEIGHT DESIGN




LOW HEAT EMISSIONS



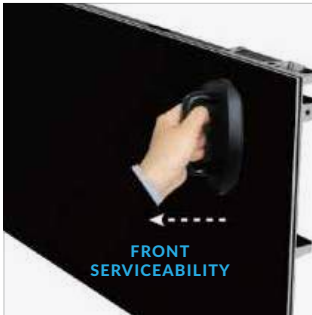
EASY TO USE CMS



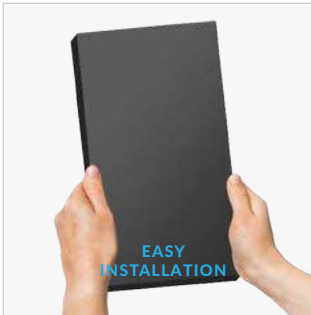
ALL-IN-ONE DISPLAY



800cd/m²
HIGHER BRIGHTNESS DISPLAY



FRONT SERVICEABILITY



EASY INSTALLATION

Specification Table

		P1.9	P2.6	P3.1	P3.9
LED Display	Pixel Pitch (mm)	1.9mm	2.6mm	3.1mm	3.9mm
	LED Type	Black SMD2020 3-in-1			
	Pixel configuration	1R1G1B			
	Brightness (Calibrated)	800 cd/m2			
	Refresh rate	≥1920 Hz			
	Contrast Ratio	6000:1			
	Viewing angle - Horizontal	160°			
	Viewing angle - Vertical	160°			
	Processing	14 bit			
	Frame rate	60 fps			
	Maintenance	Front & Rear service			
Cabinet	Module Resolution (px)	128x128	96x96	80x80	64x64
	Module Size (mm)	250x250			
	Cabinet Resolution (px)	256x256	192x192	160x160	128x128
	Cabinet Size (mm)	500x500x80			
	Net weight (Kg)	26			
Power	Input Voltage	AC220/110 ± 10%, 47~63Hz			
	Average Power Consumption	200W/m ²			
	Maximum Power Consumption	624W/m ²			
Environmental	IP Rating	IP40			
	Operating Temperature	-10°C to +40°C			
	Operating Humidity	10% to 90%			
	Lifetime	100,000 hours			
Accessories	Included	TBC			
	Optional	TBC			
Warranty	Warranty Period	3 Year Warranty			
	Technical Support	Lifetime			



Outdoor LED Video Wall

P6 | P10



Stunning Image Quality

State of the art SMD-LED technology delivers stunning image quality across the seamless display; certain to garner attention. With advanced video processing technology to produce accurate and vibrant colours with no distortion.



Lightweight and Slim Design

Each cabinet weighs 28kg and has a depth of 100mm making these screens much easier to install. The lighter weight reduces stress on the mounting structure.



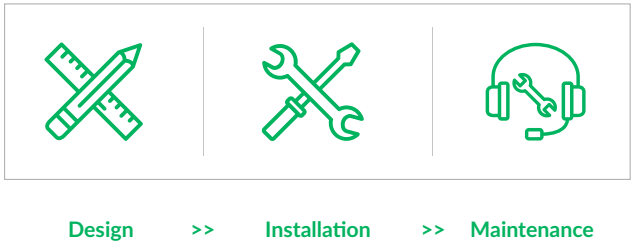
IP Rated Weatherproof Enclosure

Designed with a robust aluminium enclosure to give protection from the all wet weather conditions. The outer casing is IP-rated which means it also keeps out airborne swarf, dust and other particles.



End-to-End Project Management

Every LED Video Wall is unique and each comes with its own challenges. We are here to advise and guide you through every step - from design to installation and even providing maintenance we can provide full end-to-end project management where required.



Other Features

Outstanding High Brightness

With an incredible brightness level of 6,000cd/m2 the LED Video Wall has outstanding visibility. The display is sunlight readable even in direct sunlight instantly catching attention from viewers ensuring your content is always seen.



Optimised Outdoor Viewing Distances

The Outdoor LED Video Walls are designed for longer viewing distances with multiple pixel pitch options depending on your budget and requirements.



Remote Updates from the Cloud

Take complete control of your LED Video Wall's content with our CMS system. Publish and monitor your content from anywhere in the world via our online portal.



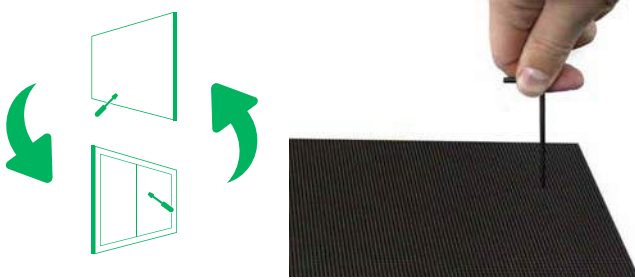
Ultra High Contrast Ratio

With an ultra-high contrast ratio of 6,000:1 the LED Video Walls deliver deeper blacks, vivid colours and clear visibility across the display without sacrificing brightness.



Front or Rear Maintenance

Through an intuitive and easy-to-use maintenance system the LED Video Wall can be serviced from either the front of the display or the rear. The LED modules can be removed quickly and efficiently for convenient maintenance.



Easy Installation

Their light and compact design as well as magnetic modules, positioning pins and simple cabinet structure make them ideal for either permanent installations or rental jobs.



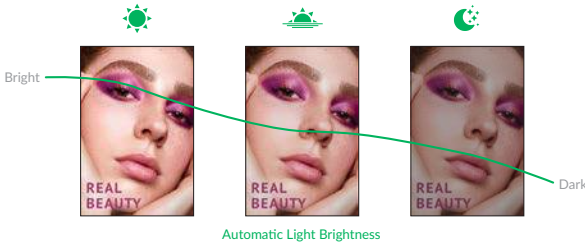
Complete Quality Control

Every step, from production to installation, goes through a strict quality control procedure while quality calibration guarantees consistent image quality across the whole display.



Optional Ambient Light Sensor

Ensure that the brightness of your video wall is always at an optimum level. This feature is ideal for displays that are road facing; which need to have variable brightness depending on the time of day.



Key Features



SMD TECHNOLOGY



SUNLIGHT READABLE



WEATHERPROOF



MODULAR DESIGN





QUICK AND EASY INSTALL



LIGHTWEIGHT DESIGN



LOW HEAT EMISSIONS



SEAMLESS VIDEO WALL



STUNNING IMAGE QUALITY



WEATHERPROOF



FRONT OR REAR SERVICEABILITY



EASY INSTALLATION

Specification Table

		P6	P10
LED Display	Pixel Pitch (mm)	6.67mm	10mm
	LED Type	SMD 2727 3-in-1	
	Pixel configuration	1R1G1B	
	Brightness (cd/m²)	≥6,000	
	Refresh rate	≥1920 Hz	
	Contrast Ratio	6,000:1	
	Viewing angle - Horizontal	140°	
	Viewing angle - Vertical	140°	
	Processing	14 bit	
	Frame rate	60 fps	
Cabinet	Maintenance	Front & Rear Access	
	Cabinet Size (mm)	960x960x120	
	Net Weight (Kg)	28	
Power	Input Voltage	AC220/110 ± 10%, 47~63Hz	
	Average Power Consumption	265W/m²	
	Maximum Power Consumption	750W/m²	
Environmental	IP Rating - Front	IP65	
	IP Rating - Rear	IP54	
	Operating Temperature	-20°C to +50°C	
	Operating Humidity	10% to 95%	
Accessories	Lifetime	100,000 hours	
	Included	TBC	
	Optional	TBC	
Warranty	Warranty Period	3 Year Warranty	
	Technical Support	Lifetime	



Fine Pitch LED Presentation Video Wall
110" | 138" | 165" | 220"



Super Fine HD Pixel Pitch

All the screen sizes available have a full High Definition resolution and a standard 16:9 aspect ratio. This fine pixel pitch, combined with the advantage of not having any unsightly bezels, make these displays the ultimate in premium presentation video walls.



Powerful Presentation Display

Designed with middle to large sized meeting rooms in mind this is the ultimate presentation tool. Wow attendees as you wirelessly mirror and file share between your devices and the presentation screen. Featuring easy access front ports for connecting your laptop, remote video conferencing and multi-window splicing for maximum user engagement.



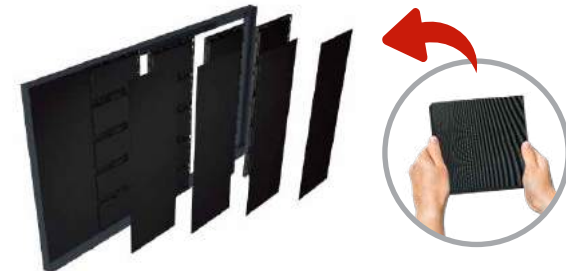
All-in-One Meeting Room Display

The Fine Pitch LED Presentation Video Wall combines the best quality LED technology on the market with a sophisticated Android based PC. This provides an integrated solution for most cases without the need for messy cables or additional devices.



Easy installation

Installation of the Fine Pitch LED Presentation Video Wall is quick and easy thanks to its light and compact design. Unlike other LED Video Walls this solution is a complete out-of-the-box display so assembly is much easier than usual. It also comes fully colour celebrated.



Other Features

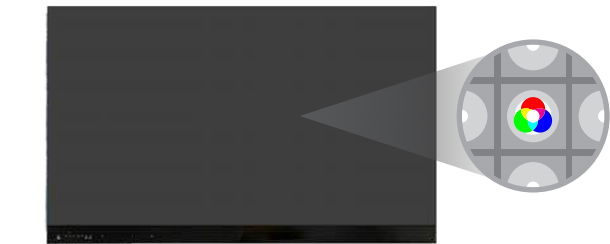
Adjustable Backlight

The Fine Pitch LED Presentation Video Wall is bright enough for all ambient lighting conditions, but the screen can be adjusted manually to suit user preferences. If your conference or meeting room is quite dark then you can reduce the backlight brightness to improve overall readability.



SMD Technology

SMD (Surface Mounted Diode) LED technology is the optimum form for LED Video Walls. Combining three miniature LEDs of different colours in one unit enables fine pixel pitches with perfect colour uniformity.



Wide Viewing Angle

Thanks to the LED technology these displays provide fantastic image quality with a remarkable viewing angle of 160°.



Advertising Display Functionality

Although it's designed as a presentation solution, this LED Video Wall can also be used as an indoor LED advertising display thanks to the built in Android PC.



Easy Front Maintenance

Through an intuitive and easy-to-use maintenance system the LED Video Wall can be serviced from the front of the display. The LED modules can be removed quickly and efficiently for convenient maintenance.



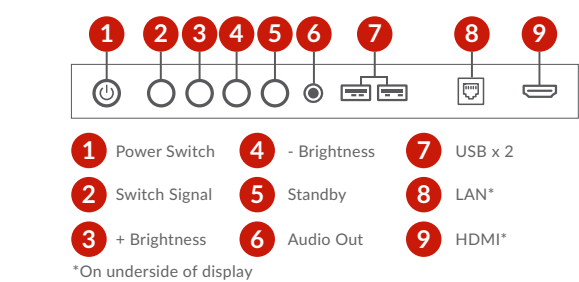
Lightweight and Slim Design

Despite their large size the Fine Pitch LED Presentation Video Wall has a compact design with a slim depth of just 38.5mm* and a lightweight cabinet for reduced stress on the mounting wall.



Easy Access Front Ports and Controls

The Fine Pitch LED Video Wall has a variety of easy to access controls and ports on the front of the display including a HDMI and 2 x USB ports.




Optional Floor Stand


If you do not have the desired wall space available an optional floor stand can be included to mount the LED Video Wall on.




Key Features




SMD TECHNOLOGY




SLIM/LIGHTWEIGHT DISPLAY




RUGGED ENCLOSURE




PRE COLOUR CALIBRATED







HD DISPLAY



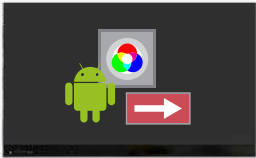
EASY ACCESS FRONT PORTS




SEAMLESS VIDEO WALL




BUILT IN ANDROID




ALL-IN-ONE DISPLAY



ALL AMBIENT LIGHTING



EASY FRONT MAINTENANCE



SEAMLESS VIDEO WALL

Specification Table

		110 Inch	138 inch	165 inch	220 inch
LED	Pixel Pitch (mm)	1.2	1.5	1.9	2.5
	Resolution	1920x1080			
	Display Area (mm)	2440x1373	3050x1716	3660x2059	4880x2745
	Aspect Ratio	16:9			
	Brightness (cd/m²)	100~500		100~600	
	Refresh Rate (Hz)	1920~3840			
	Grayscale	14 Bit			
	Viewing Angle	160°			
	Contrast Ratio	5000:1			
	Maintenance	Front Access Only			
AV Inputs	Front Inputs	USB x 2, HDMI			
Power	Input Voltage	AC110~240V (50Hz~60Hz)			
	Average Power Consumption	850W	1,020W	1,040W	1,740W
	Maximum Power Consumption	2,500W	3,000W	3,060W	5,120W
Mechanical	Unit Size (WxHxD mm)	2453x1503x38.5	3063x1846x38.5	3673x2189x38.5	4893x2875x60
	Package Size (WxHxD mm)	TBC	TBC	TBC	TBC
	VESA Holes (mm)	400x400/400x600	600x600/600x800	800x600	800x600
	Net Weight (kg)	134	201	282	562.5
	Gross Weight (kg)	TBC	TBC	TBC	TBC
Environmental	Operating Temperature	-10°C to 40 °C			
	Operating Humidity	10% to 85%			
	IP Rating	IP30			
Computer	CPU	ARM Cortex A72, Cortex A53, 2.0GHz			
	GPU	ARM Mali-T860 MP4			
	Memory	DDR3 2G, 4G			
	Storage	eMMC 8G			
	LAN	100M/1000M			
	Wi-Fi	802.11ac			
	OS	Android 7.1			
Accessories	Included	TBC			
	Optional	Floor Stand			
Warranty	Warranty Period	3 Year Warranty			
	Technical Support	Lifetime			

