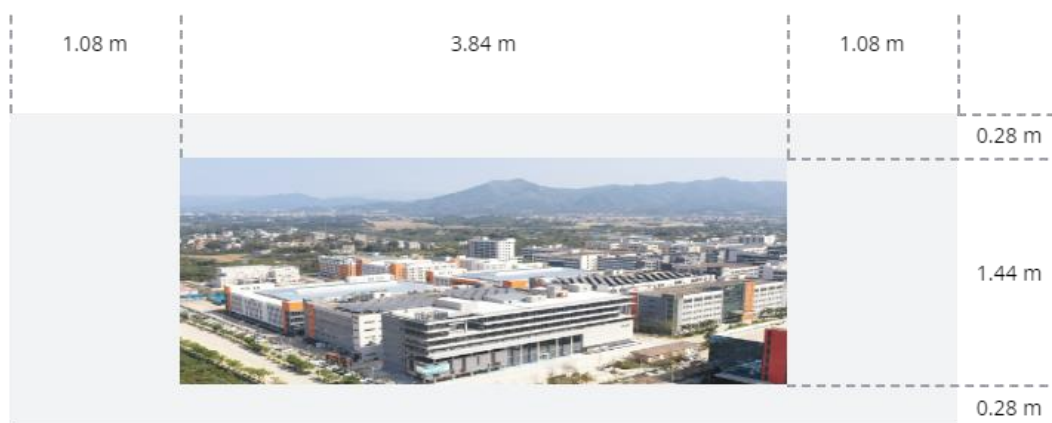


Senado_1 Project Solution

Creation Date:05th,July,2024

Declaration: This general document is for reference only, Specifications are subject to change without notice. For further implementation, please consult the seller. The final interpretation right of the solution under this documentation is owned by Absen

LED Wall Display



Pixel Pitch: 1.53 mm
 Actual Width: 3.84 m
 Actual Height: 1.44 m
 Display Resolution: 2496 x 936
 Led Wall Diagonal: 4.10 m

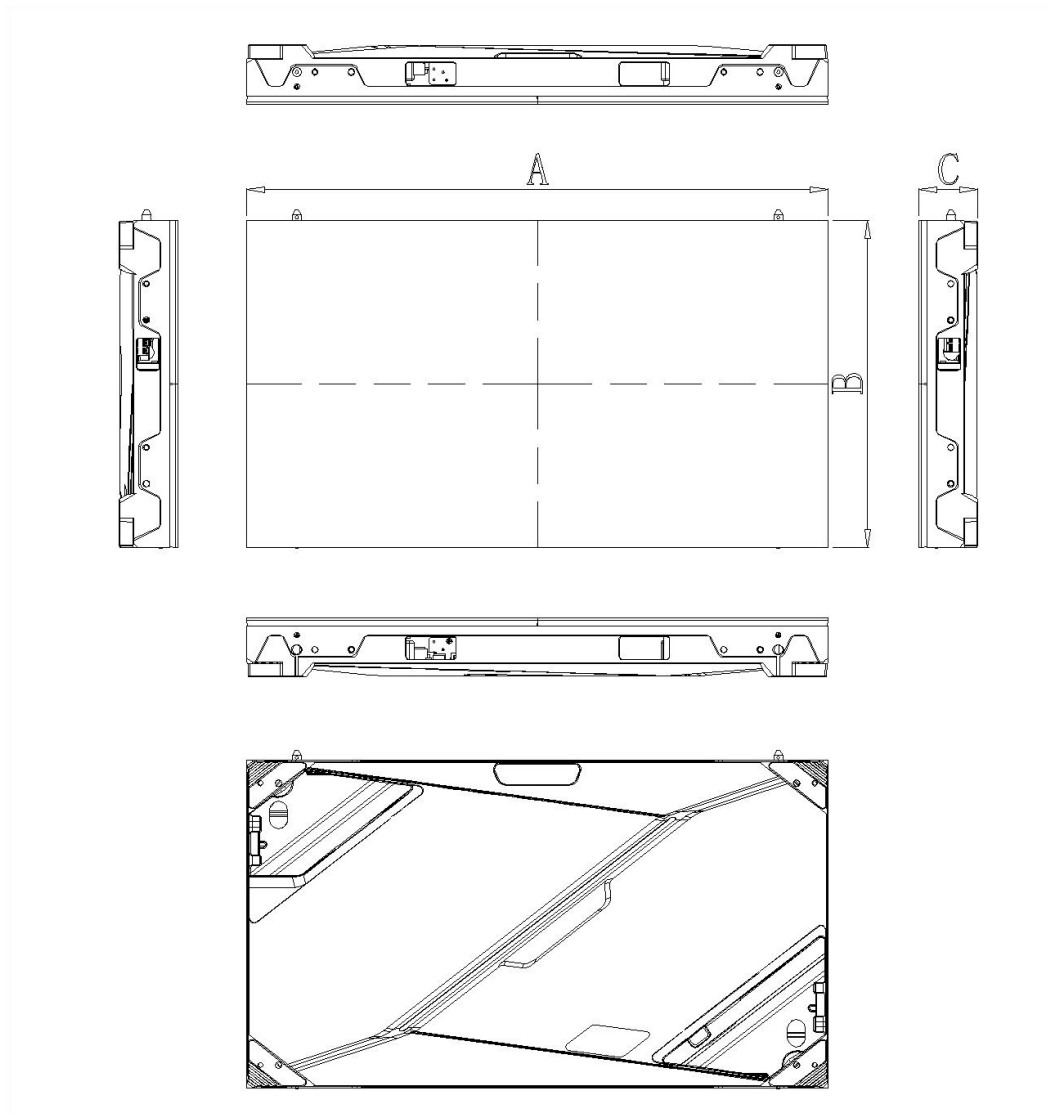
LED Wall information

Product Information
Product Name: KL1.5 II
Pixel Pitch: 1.5 (mm)
Panel Resolution(WxH): 416x234 (dots)
Panel Dimension: 640x360x65 (mm)
LED Wall General Information
Screen Dimension WxH: 3.84x1.44 (m)
Actual Area: 5.53 (m ²)
LED Wall Resolution: 2496x936 (dots)
Total Pixels: 2336256 (dots)
LED Wall Panel Layout WxH: 6x4 (pcs)
LED Wall Total Panel Quantity: 24 (pcs)
LED Wall Total Weight: 144 (kg) or equivalent to 317.47 (lbs)
LED Wall Max.Power Consumption: 2543.80 (W)
LED wall Avg.Power Consumption: 851.62 (W)

Product Specification

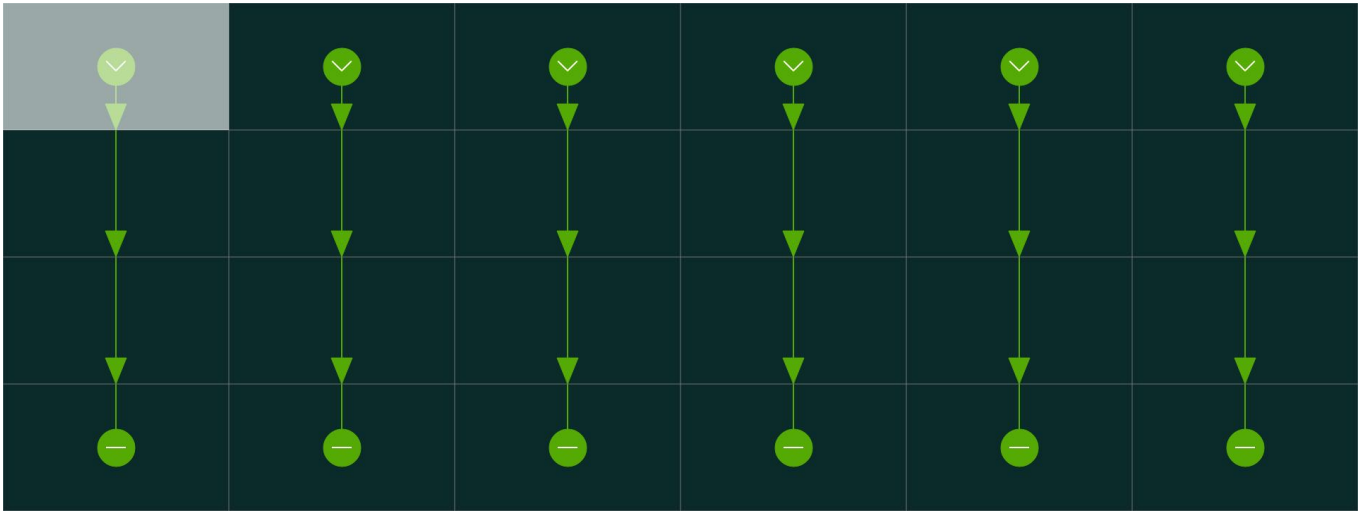
Parameter		Value
Physical Parameter	LED Type	Black SMD 3in1
	Pixel Pitch (mm)	1.5
	Panel Dimensions (WxHxD)/(mm)	640x360x65
	Pixel Per Panel	416x234
	Panel Weight (kg)	6.0
	Panel Material	Die Casting Aluminum
	Module Dimensions (WxH)/(mm)	320x180
Optoelectronic Parameter	Brightness (nit)	700
	Refresh Rate (Hz)	≥3840
	Gray scale(bit)	14
	Contrast Ratio	4000:1
	Color Temperature (K)	2500-9500
	Viewing Angle (H/V) (°)	160/140
	Driving Type	1/52
	AC Operating Voltage (V)	100~240
	Power Consumption (Max/Avg)(W/m²)	460/154
Application Parameter	Storage Temperature (°C)	-40~+60
	Operating Temperature (°C)	-10~+40
	Storage Humidity (RH)	10%~85%
	Operating Humidity (RH)	10%~80%
	IP Rating (Front/Rear)	IP40/IP21
	Module Maintenance	Front
	PSU & Others Maintenance	Front
	Panel Installation Type	Front/Rear
	Max Rigging QTY.	16
	Certificate	CCC,CE,ETL,FCC
Remark	Power consumption tolerance:±15%, according to the actual situation.	

LED Panel Drawing



Unit	A	B	C
Metric System(mm)	640	360	65
British System(inch)	2' 1.197"	1' 2.173"	2.559"

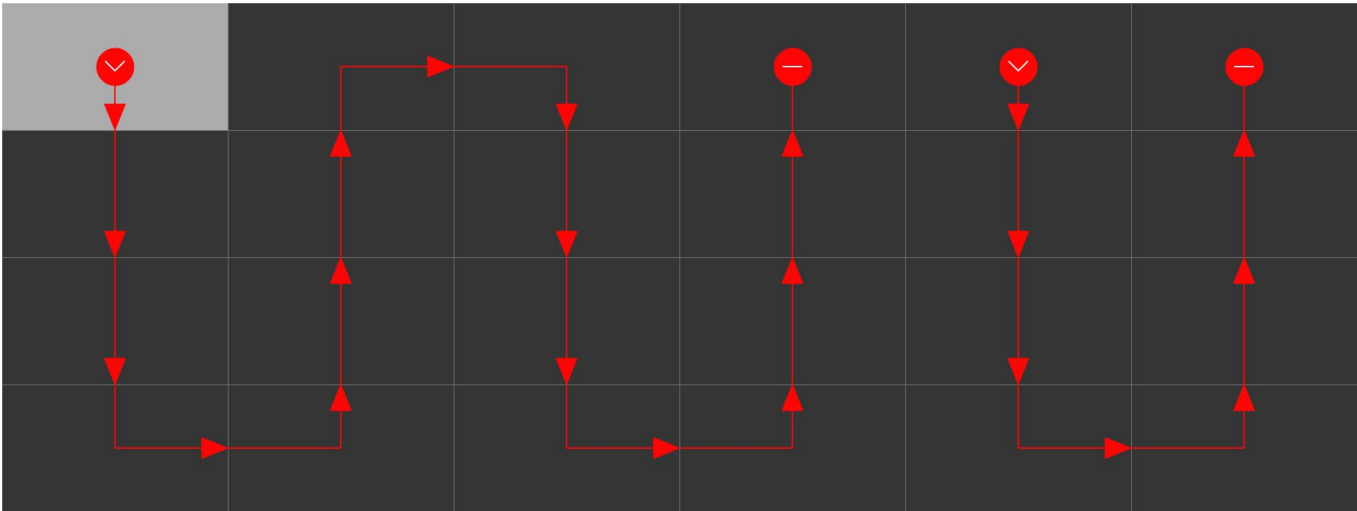
Data Cable Layout Diagram



Network wiring diagram(Front View)

Panel Layout(WxH): 6(W) 4(H), total 24 PCS	Sending Box: VX600	Qty of Sending Box: 1 PCS
Resolution: 2496(W) 936(H), total 2336256 Dots	Qty of Data Cable: 6 PCS	Date: 05 Jul, 2024

Power Load Diagram



Power wiring diagram(Front View)	
Panel Layout(WxH): 6(W) 4(H), total 24 PCS	Screen Max.Power Consumption: 0.98 KW
Qty of 220V Power Cable: 2 PCS	Date: 05 Jul, 2024

Product Superiority

Key Features



KL Series II



16:9
Aspect ratio



3840Hz
High refresh rate



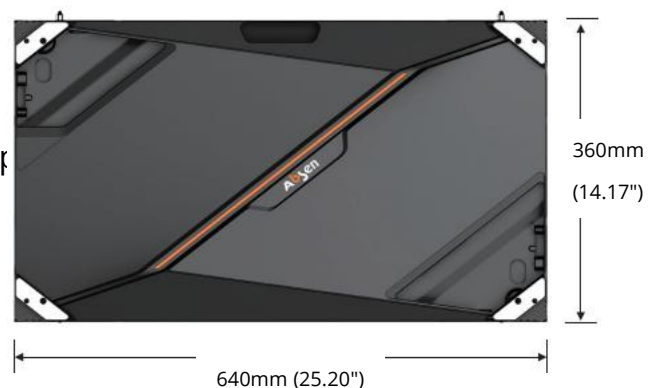
800nits
Maximum brightness



Floating connectors
Fast installation and maintenance

Easily enjoy 8k vision display

- 16:9 aspect ratio design for enhanced viewing comfort
- Delivered as ready-to-use panel with PFC power supply
- n^2 panels can be spliced into 2K, 4K or 8K 16:9 screen



Create stunning visual effect

- With color management technology, the original Image can be displayed without color deviation.
- Grayscale performance is increased by four times, making the details clearly visible.
- Supports 120Hz HFR+ mode, suitable for playing highspeed motion pictures.

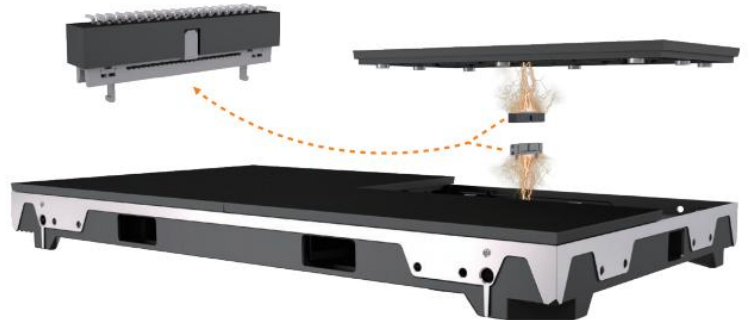


✓ With color deviation

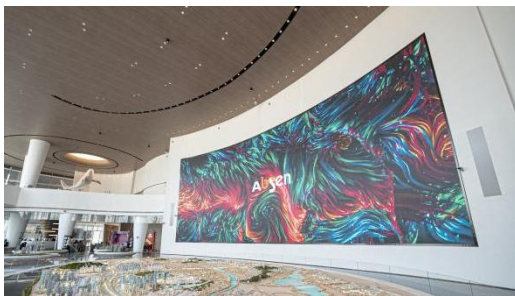
✗ No color deviation

Installation & maintenance

- Innovative floating connector realizes cable-free connection
- Hidden wiring design
- X/Y/Z axis alignment for flatness adjustment
- Hanging, wall-mounting, stacking installation, etc
- Front maintenance of module, receiving card, etc
- Standard hanging bar, backing strip, trim pieces



Application scenario



Enterprise



Retail



Exhibition



House of Worship

Company Overview

Established in 2001, Absen (SSE: 300389) is the world's leading LED display products and service supplier. Our products are exported to more than 160 countries and regions in America, Europe, Australia, Asia, Africa, etc, and have been used in the Presidential press conference, CIIE, FIFA World Cups, NBA games and Times Square.



Absen Dongjiang Intelligent Manufacturing Centre

Huizhou, China

Delivering more than 60,000 installations, Absen produces best-in-class products for DOOH, rental & staging, commercial display, data visualization, conference and virtual production markets.



Absen Group Headquarters

Shenzhen, China

In 2023, Absen has been listed in "China's 500 Most Valuable Brands" by World Brand Lab. The company also holds more than 700 independent intellectual property rights and more than 160 patents for invention. In addition, our products have received multiple recognition including the German Red Dot Award, the IF Design Award, the Carbon Footprint Verification Statement of TÜV Süd, and more.

With our headquarter in Shenzhen and manufacturing base in Huizhou, Absen now has more than 3,000 staff and 18 overseas subsidiaries and offices, making our collective knowledge and expertise available to customers worldwide. The advanced automatic production machines, modernized laboratories, and professional teams in management, R&D, production, sales, and services enable Absen to secure stable product quality, scale expansion, standardized production, and fast delivery.

Value-added Services

One-stop Service of Integrity

Tailored to International LED Display Customers

How to find a trustworthy service provider in the LED display industry?

Since 2001, Absen has provided services to the global LED display industry, and our proactive, fast, standardized, and thoughtful official services have received numerous positive comments from customers worldwide.

We provide the following services for products of any brand. We are looking forward to your experience!



Engineering

Installation guidance, installation, screen mounting and dismounting



Operation

Event on-site support, inspection, correction



Troubleshooting

Delivery of defective parts for repair, spare parts purchase, on-site troubleshooting



Maintenance


Warranty, warranty extension, maintenance





Customized

Operation and maintenance, certification, trusteeship

THANKS

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