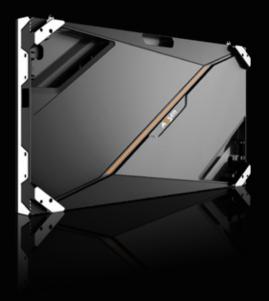






1.2mm | 1.5mm | 1.8mm | 2.5mm







16:9 Aspect ratio



HFR+High frame rate mode



800nitsMaximum brightness



X/Y/Z axis
Six-direction alignment



Fine Adjustment<u>Grayscale improvement technology</u>



Color PrecisionColor management technology

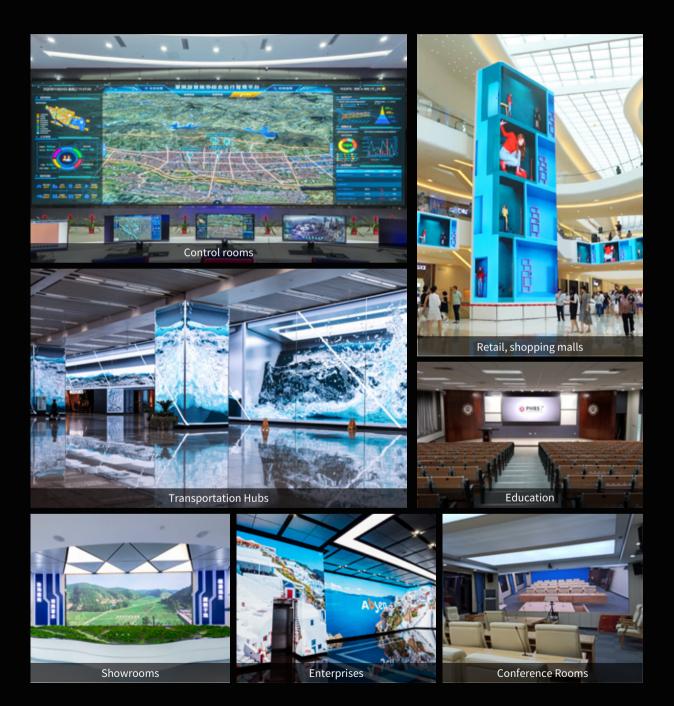


3840Hz High refresh rate



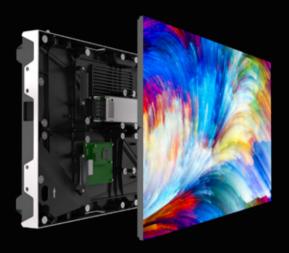
Floating connectors
Fast installation and maintenance

For all commercial display applications



Ready-to-use panel with superior quality

Adopting the closed design, the panel contains high-quality PFC* power supply unit, receiving card and other components. Delivered in the form of ready-to-use panel, product quality is more guaranteed.





High-quality PFC power supply unit Power factor cosØ ≥ 0.95, power efficiency ≥ 88%



Fine die-casting aluminum cabinet



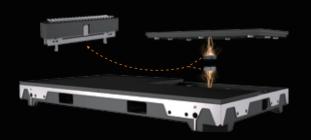
High-performance receiving card



Magnets with strong attraction force

Innovative floating connectors with patent

Absen's new innovative floating connector* realizes cable-free connection between the module and panel, making installation and maintenance more convenient and efficient.





Invention patent & design patent*



Good location fault tolerance



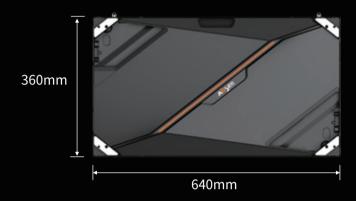
Anti-torsion, anti-collision, anti-vibration

^{*}PFC means power factor correction, which is a technology to improve the power factor of electrical equipment to improve power utilization.

^{*}Absen has applied for relevant invention and design patents

Standard aspect ratio brings better visual comfort

Based on ergonomic research, the panel adopts the aspect ratio of 16:9 to enhance viewing comfort. It is also more suitable for playing mainstream videos.



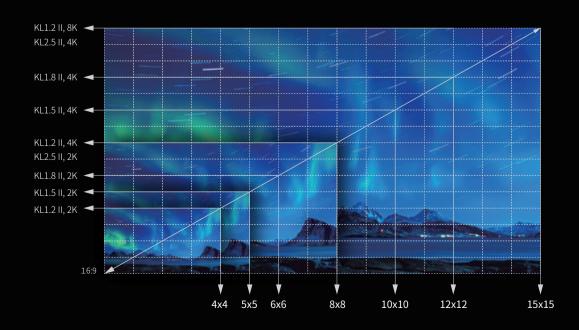
16:9

Panel size

The optimal aspect ratio for viewing Mainstream video aspect ratio

Easily enjoy 8K vision display

 m^2 panels can be spliced into a 16:9 screen to quickly achieve a 2K, 4K or even 8K display, making it especially suitable for use in places such as studios, command centers and conference rooms.



Fine Adjustment grayscale improvement technology

The grayscale performance is increased by four times, making the grayscale changes more naturally. Even under low brightness, it can perfectly display details even in the dark parts of the picture.



Fine grayscale, details visible in dark parts



Low grayscale, details lost in dark parts

Color Precision management technology

Intelligent adjustment is made through Color Precision management technology to match the color gamut range of the display with the source image.

Highly reproduce natural scenes and achieve high-fidelity colors.



Original image



No color management, with color deviation

With color management, no color deviation

HFR+ mode for capturing the best moments

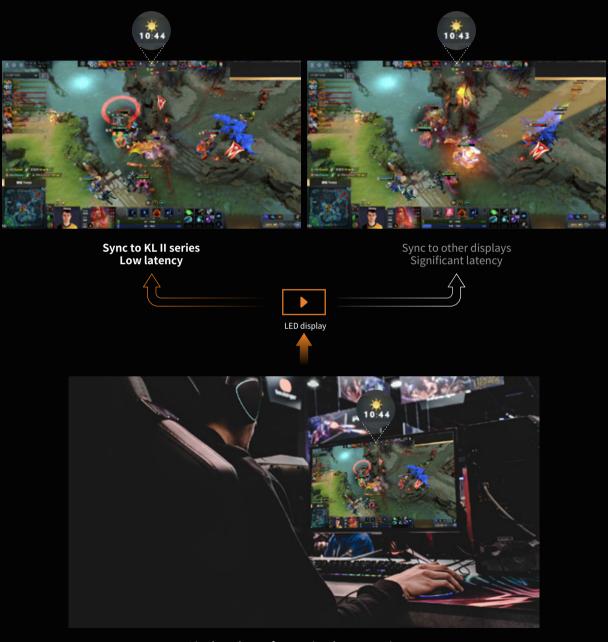
Support HFR+ mode (120Hz high frame rate)*, smoothly display high-speed, quick-changing content and enhance visual fluency, making it especially suitable for playing high-speed motion pictures and 3D pictures.





Ultra-low latency enables real-time image display

Reduces delays in transmission of video sources, synchronizes the display of real-time images and helps achieve live broadcasting with ease.



Live broadcast of transmitted computer images

Record exciting moments as you like

The brightness can reach up to 800nits, which greatly reduces the influence of ambient light on the display effect. Using PWM LED driver IC, the refresh rate is as high as 3840Hz, and there is no scan line when taking pictures.



Photo taken without scan lines

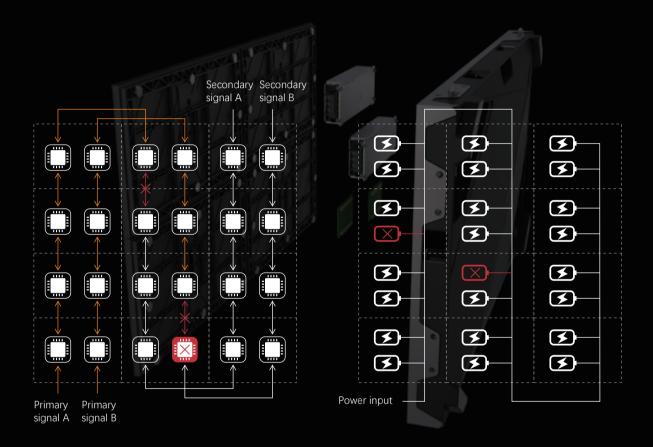


Photo taken with scan lines

Power and data redundancy

Provides optional dual backup version to ensure uninterrupted power supply and signal, so as to realize continuous transmission of information.

This function is especially suitable for use in places such as control rooms and studios.



Dual-channel signal loop backup, greatly improves fault tolerance and reliability

(Single channel receives primary and secondary signal at the same time)

When the panel's single PSU is not working, the power supply is still on

Multiple installation methods

The KL II Series supports hanging, wall mounting and stacking installation, etc. Hidden wiring design is adopted to make the installation more tidy. It supports six-direction alignment to improve flatness of the screen.





Stacking installation



Wall-mounting installation



Hanging installation



L-shaped splicing*



Hidden wiring design



Anti-collision design



Quick plug-in/out



X/Y/Z axis alignment

Standard elegant accessories

Provide standard hanging bar and backing strip accessories to make installation easier. Provide ultra-thin trim pieces solution to enhance aesthetic feeling in all directions.



Easy and convenient front maintenance

Support front maintenance of module, receiving card and power supply unit. No need to build a dedicated maintenance channel, thereby saving installation space.









Module

Receiving card

PSU



Dedicated front maintenance tool

Standardized quality control

It is manufactured in Absen's own factory through a standardized production process, and has obtained multiple certifications, allowing customers to use it without any worries.





Every step of the production process is strictly managed to ensure product quality



Strict quality control

18 monitoring procedures 29 operating procedures 33 recording procedures 2,285 inspections and tests

(Multiple certifications obtained, legal and compliant

Certified through CE, ETL, FCC, CCC, China Energy Conservation Certification, etc. Passed performance/ blue light hazard/ photobiology test, etc., which are recognized by CNAS accredited institution

Professional service, best experience

Absen has built up a global network, able to provide prompt and professional local services.

Absen service ability



Comprehensive support

Enjoy 2-year warranty, support up to 3-year extended warranty, lifetime maintenance, and enjoy 10+ items of professional service solutions to help you solve problems



୍ମ 🔞 Global coverage

400+ Absen certified partners, 2,600+ Absen certified engineers, covering most of the global market, the global service network is continuing to expand vigorously



Multiple service channels

Providing service via multiple channels such as Hot line, WeChat, WhatsApp, E-mail and official website to quickly take care of service requirements



(24h) 24/7 response

24/7/365 available, quick response in 10 seconds



One-stop service

Enjoy exclusive and professional service in the whole process of pre-sales, sales and after-sales



Service channels

Hot line: +86 400-700-3278 WeChat: 13923413428 WhatsApp: 008613923413428 Email: service@absen.com Official website: www.absen.com



(24h) Service time (GMT+8)

8:30~24:00: Staff service

00:00~8:30: Intelligent system service

Absen service philosophy

Initiative

Proactive care and return visits, regular touring inspection services for customers

Efficiency

Absen customer service center responds within 10 seconds, intelligently match the best local service resources, and enjoy a fast service experience

Standardization

Comprehensive service engineer training system, ACE professional training and certification, ACP professional certification; establishing customer's product files and record the entire service process

Thoughtfulness

Longer warranty, worry-free quality



Ready-to-Use LED

· Superior Quality / Worry-Free / Safe & Secure

Superior Quality

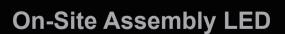
Excellent product design
Reliable raw material
Standard manufacturing process
Quality control throughout the whole manufacturing process
Extraordinary visual effect



VS

Inferior Quality

Crude product design
Poor raw material
Non-standard manufacturing process
No strict quality control
Terrible visual effect



· Inferior Quality/ Troublesome/ Hidden Dangers



Worry-Free

Ready-to-use panel
Quick installation
One-stop standard solution
Global service and long term warranty



Safe & Secure

Safe and trustworthy
Certification
Professional installation & maintenance services



Troublesome

On-site assembly
Complicated installation
Non-standard solution
Unreliable after-sales service



Hidden Dangers

Great security risks

No certification

Non-standard installation & maintenance services



Parameters

		KL1.2 II	KL1.5 II	KL1.8 II	KL2.5 II	
	LED type	Black SMD1010	Black SMD1212	Black SMD1515	Black SMD1515	
Physical parameters	Pixel pitch (mm)	1.25	1.53	1.86	2.5	
	Panel dimensions (W*H*D, mm)	640×360×65	640×360×65	640×360×65	640×360×65	
lpar	Panel resolution	512×288	416×234	344×192	256×144	
ame	Panel weight (kg)	6	6	6	6	
eters	Panel material	Die casting aluminum				
•	Module size (W*H, mm)	320×180	320×180	320×180	320×180	
	Brightness (nit)	800	800	800	600	
Ph	Refresh rate (Hz)	≥3840	≥3840	≥3840	≥3840	
Photoelectric parameters	Grayscale (bit)	14	14	14	14	
elec	Contrast ratio	4000:1	4000:1	4000:1	3000:1	
tric	Color temperature (K)		2500-9500			
oara	Viewing angle (H/V, °)	140/120	160/140	160/140	160/140	
met	Drive mode	1/32	1/52	1/43	1/32	
ers	AC operating voltage (V)	100~240	100~240	100~240	100~240	
	Power consumption (max./avg., W/m²)	615/205	560/187	520/173	410/137	
	Storage temperature (°C)	- 40~ + 60				
Арр	Operating temperature (°C)	- 10~ + 40				
licat	Storage humidity (RH)	10 % ~85 %				
ion	Operating humidity (RH)	10 % ~80 %				
para	IP rating (front/ rear)	IP40/IP21				
Application parameters	LED lifetime (h)	100000				
ters	Panel maintenance type	Fully front				
	Panel installation type	Stacking/ wall-mounting/ hanging				

^{*}Note: It is normal for the power consumption to fluctuate within $\pm 15\%$ due to the influence of the brightness of different batches of lamps. Please refer to the actual situation.

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