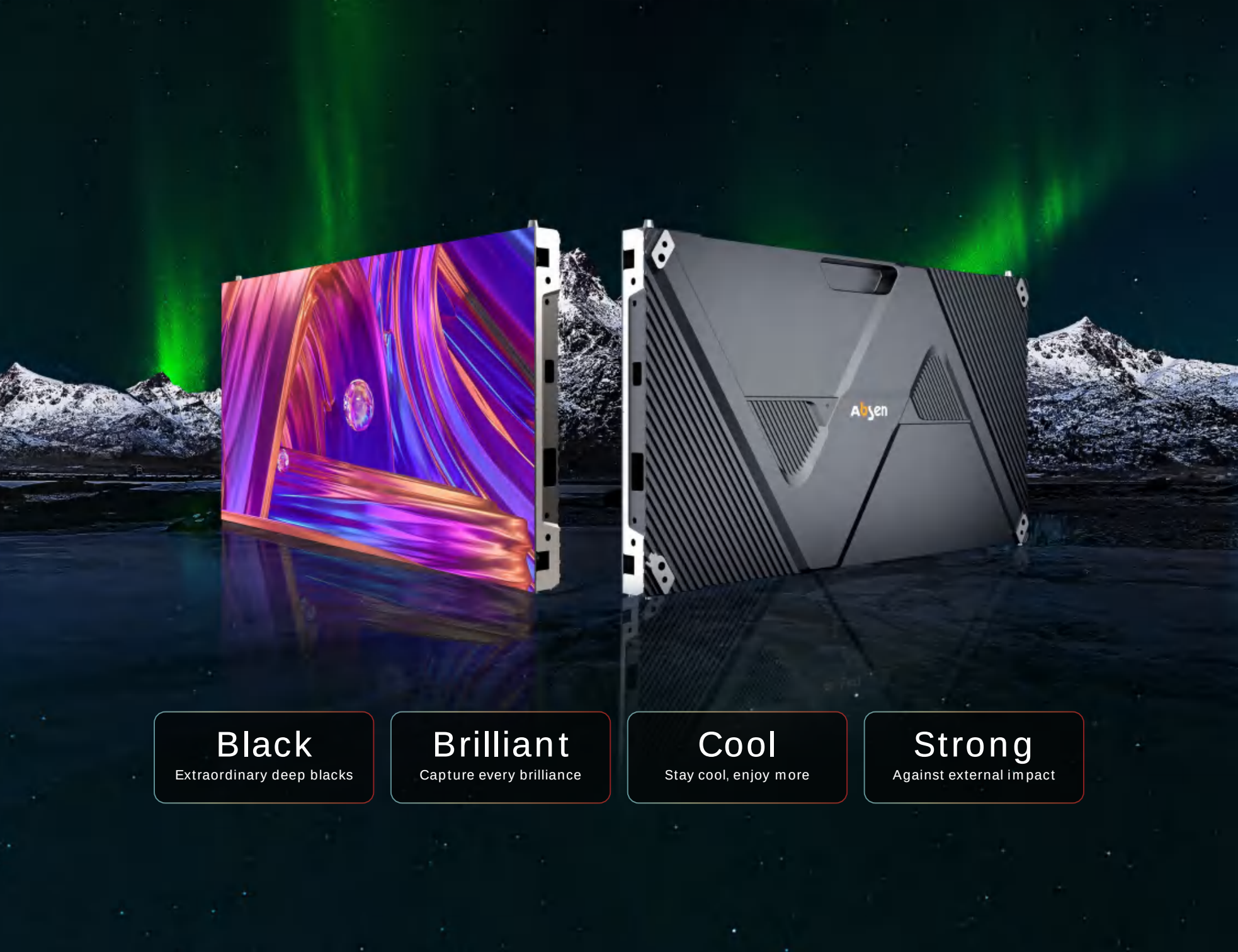
Micro LED
Absen
Trusted LED Supplier
KLCOB 2



Black
Extraordinary deep blacks

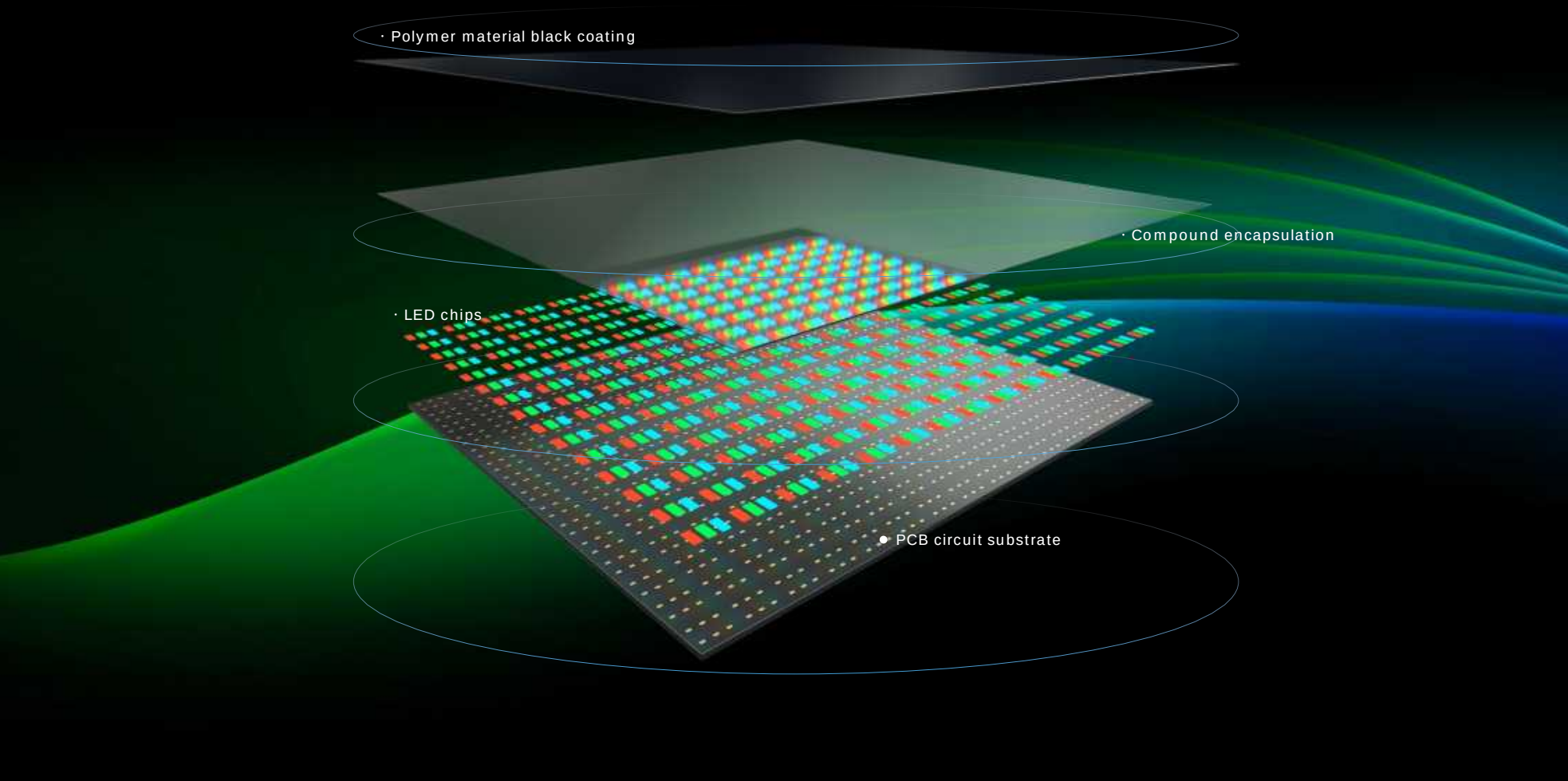
Brilliant
Capture every brilliance

Cool
Stay cool, enjoy more

Strong
Against external impact

Micro LED Technology

⇧X4	⇧X3	⇩50%	⇩40%
Contrast boost	Surface stronger	Lower failure rate	More energy efficient



Extraordinary Deep Blacks

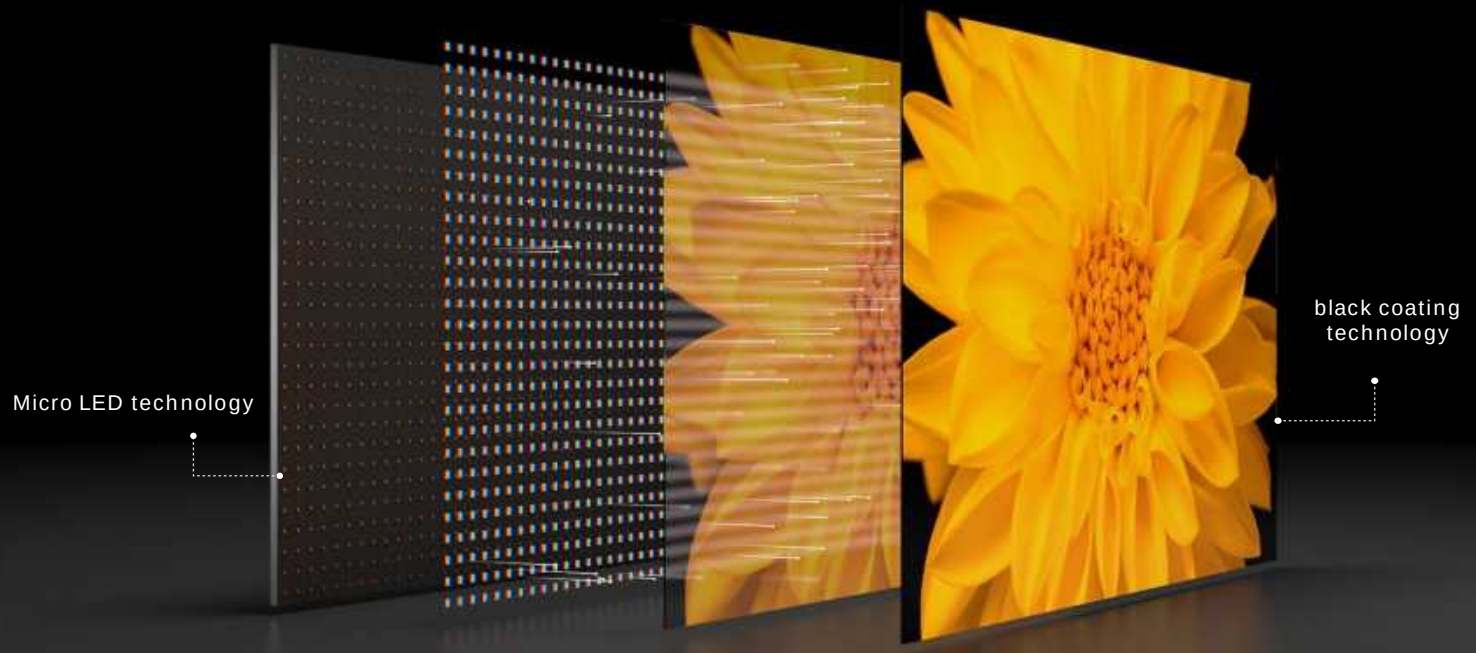
Enhanced with a unique black polymer coating, the KLCOB V2 Series from Absen presents a uniformly deep black for an immersive visual depth. The superior black level enhancement not only intensifies color contrast but also refines the overall viewing experience to extraordinary levels.

intense black immersion

better flatness

perfect black consistency

non glaring, no reflection



Capture Every Brilliance

Absen's KLCOB V2 series harnesses a suite of advanced image optimization technologies, sharpening visual clarity and enhancing color vibrancy to render lifelike details and stunningly rich images.

HDR
High dynamic range

15000:1
Stunning contrast

DCI-P3
Cinema-level color gamut

2FPS
Low latency

600nits
Max. brightness

1.07
Billion colors

22bit
Smooth grayscale transitions

3840Hz
Perfect in-camera performance

Perfect in-Camera Performance

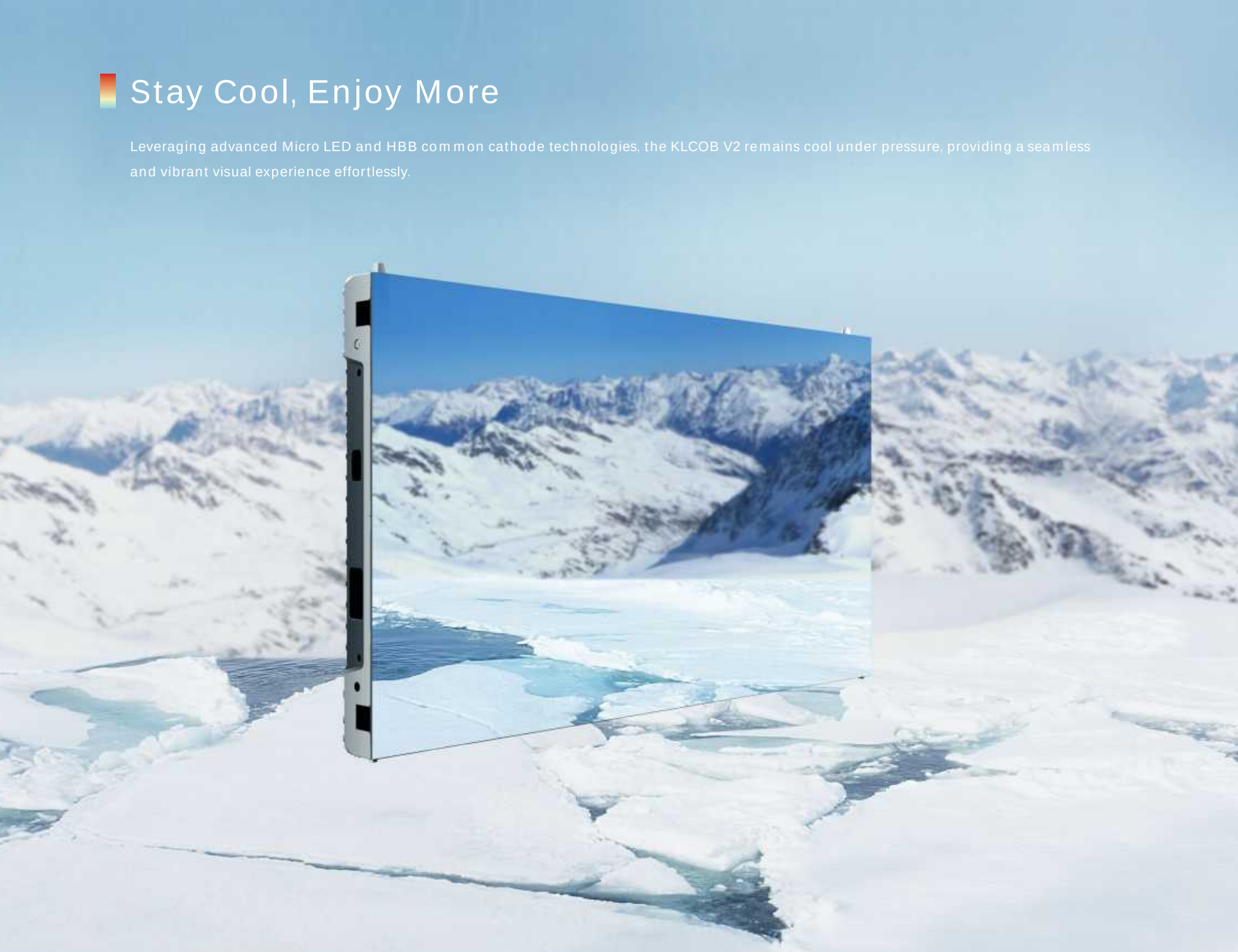
Absen's KLCOB V2 utilizes advanced surface light source technology to minimize moiré effects and deliver superior on-camera visuals, making it an ideal choice for environments such as television studios and academic venues.

Clear moiré

Less moiré

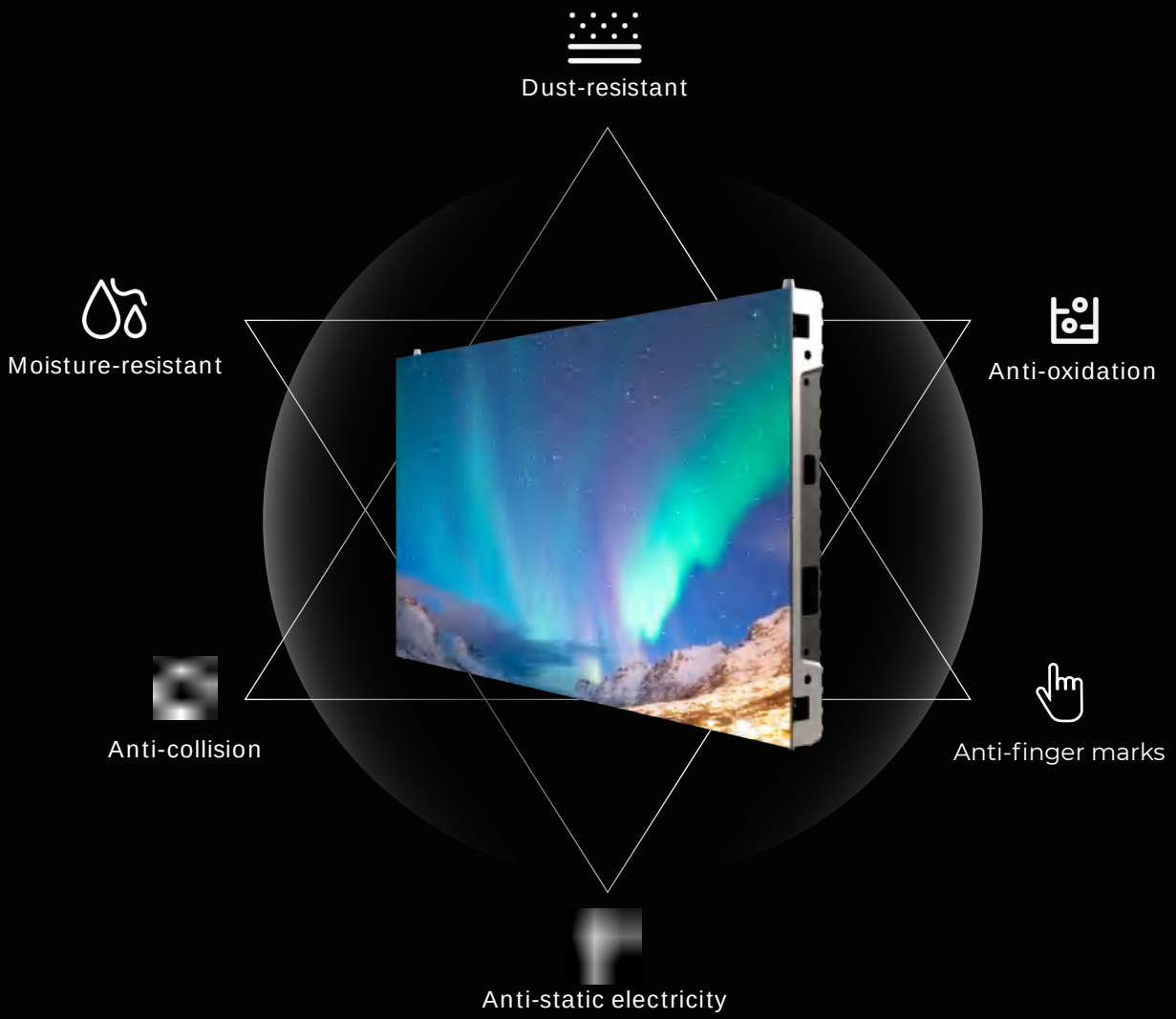
Stay Cool, Enjoy More

Leveraging advanced Micro LED and HBB common cathode technologies, the KLCOB V2 remains cool under pressure, providing a seamless and vibrant visual experience effortlessly.



Strong Against External Impact

Absen's KLCOB V2 leverages advanced Micro LED technology to deliver comprehensive, 360° all-around protection against external impacts, ensuring robust defense from every angle.



Easy on the eye

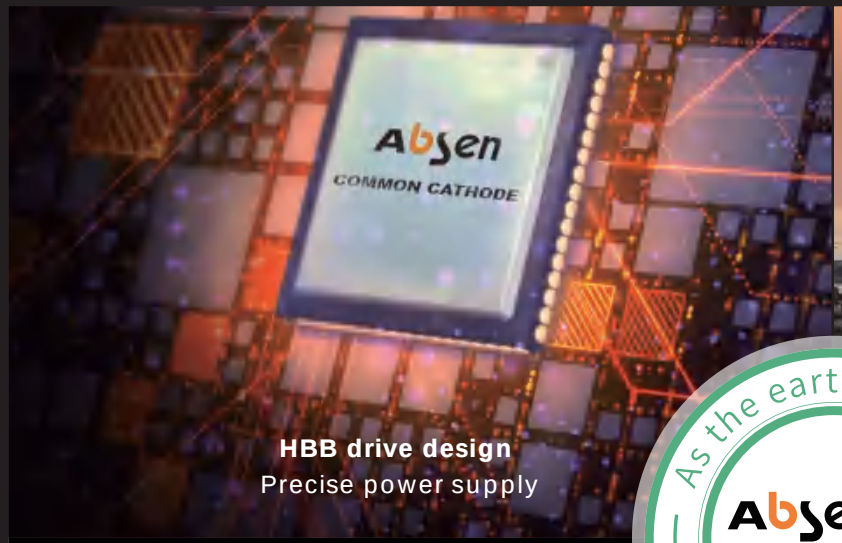
Leveraging Micro LED technology, the KLCOB V2 series offers a refined visual experience with reduced pixelation and homogenized light output, ensuring comfortable viewing over extended periods.

Easy to Clean & Maintain

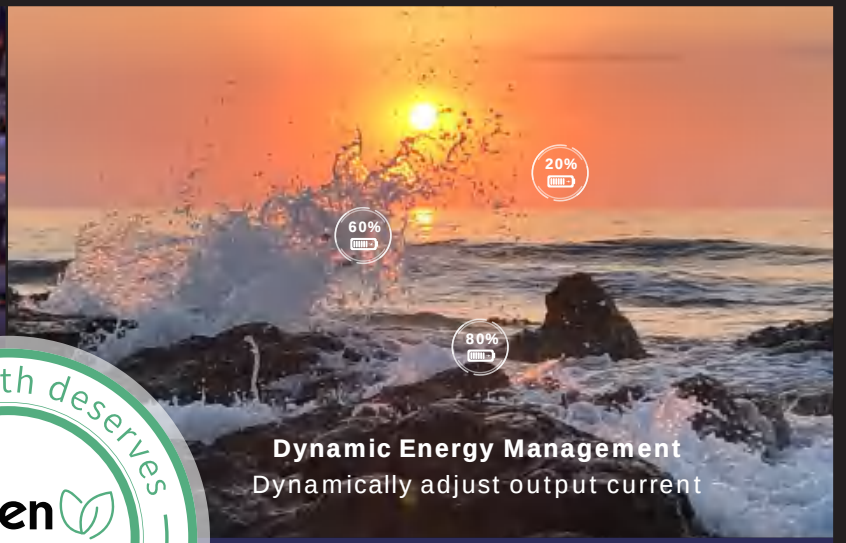
The KLCOB V2's front panel is IPX4 rated, allowing for hassle-free cleaning with just a damp cloth, streamlining maintenance while reducing costs.

More Quality, Less Consumption

Harnessing the synergy of four advanced technologies, the KLCOB V2 series embodies efficiency, slashing energy consumption by 40% without compromising performance—truly exemplifying the 'Absen Green' ethos.



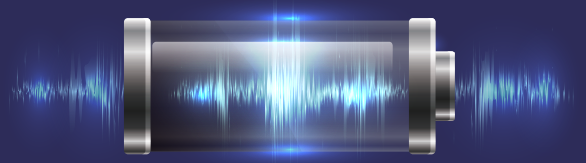
HBB drive design
Precise power supply



Dynamic Energy Management
Dynamically adjust output current

As the earth deserves
Absen Green

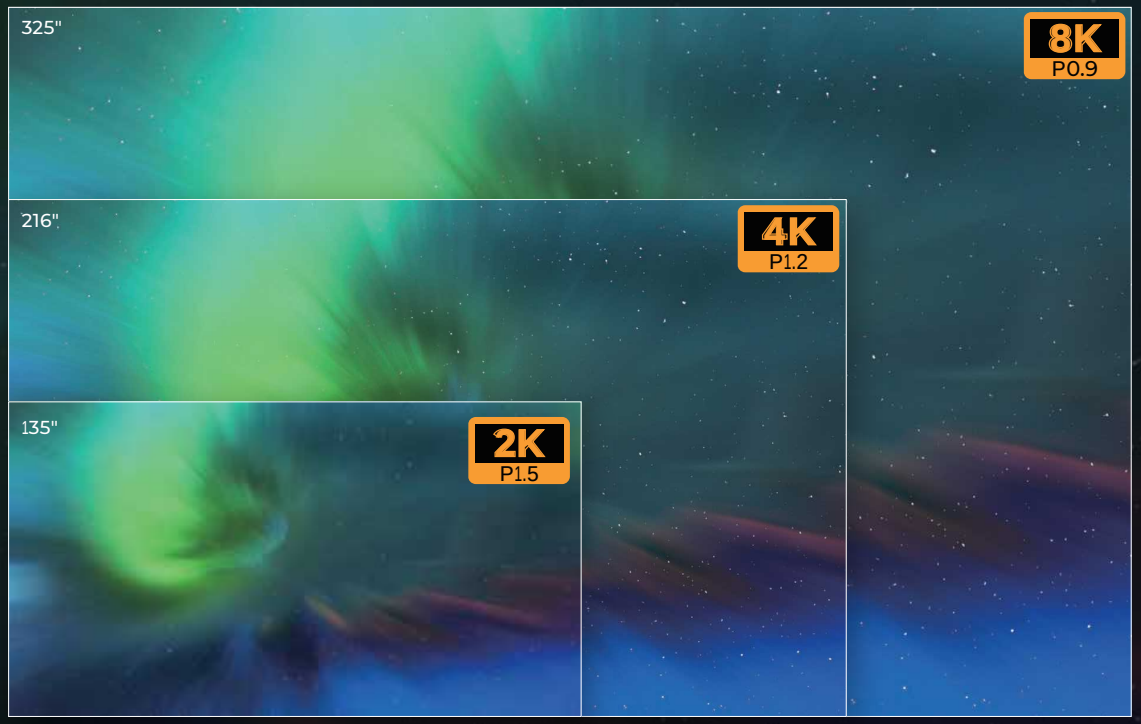
Black Screen Technology
Standby state saving ≥70%



PFC Power Supply
High power utilization

Small Pixel Pitch - Infinite Display

The KLCOB V2 series features a cabinet with a versatile 16:9 aspect ratio, seamlessly integrating into displays of 2K to 8K and beyond, for a truly expansive and engaging visual experience.



Ultra High Definition

Micron-scale self-luminous LED
Ultra High density display pixels

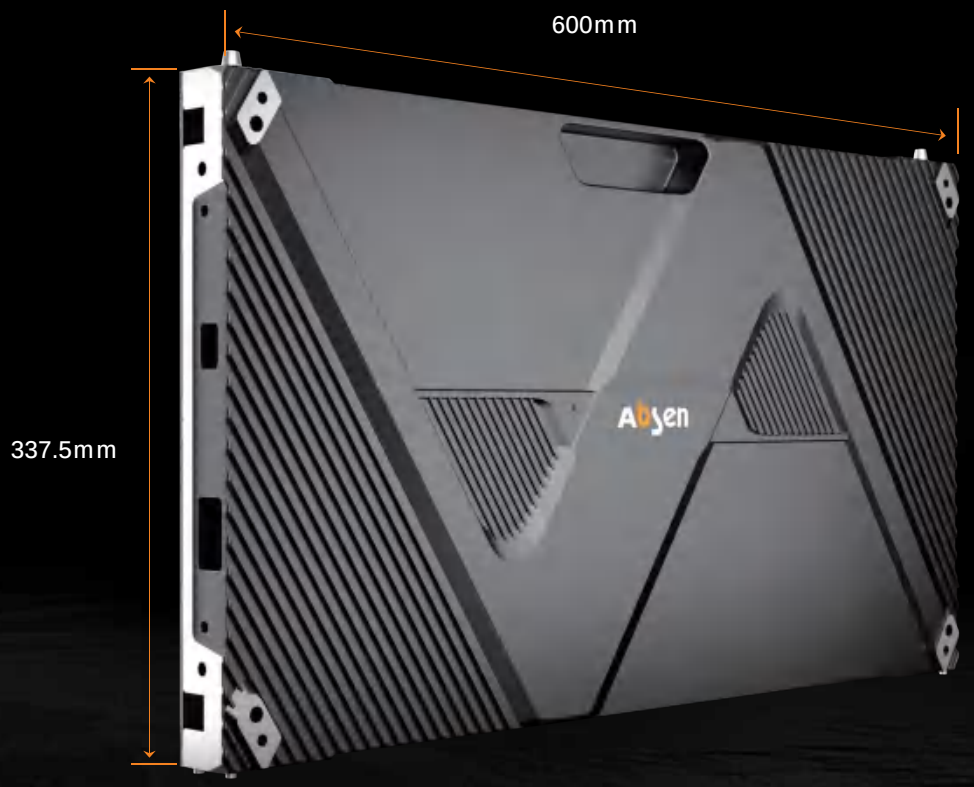
16: 9 Aspect Ratio

Pixel to pixel resolution
Match mainstream video aspect ratio

8K Breathtaking Size

4K/8K screen splicing
Creating an immersive sensory experience

Lightweight Design



4.3kg
Weight

39.3mm
Thickness

High Reliability

Equipped with dual backup for both power and signal, the KLCOB features a redundant power input system, guaranteeing a consistent and reliable display performance without any signal interruption.

*Two power source inputs is optional

Smooth Data Transmission

Leveraging a single-channel signal transmission with a bandwidth of 5Gbps, the KLCOB V2 effortlessly accommodates ultra-clear 8K and higher resolution display solutions.

conventional P0.7 display VS KLCOB0.7 V2 display

Network cable no.

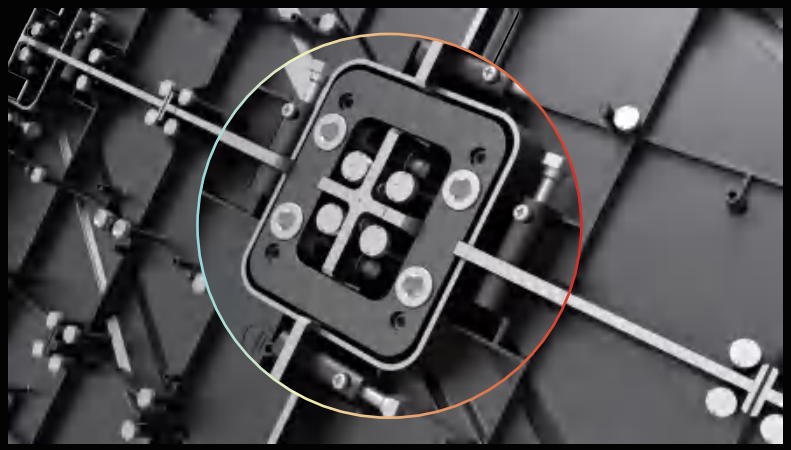
Splicing an 8K screen with KLCOB0.7 V2 product requires only 1/6 of the number of network cables required by a conventional P0.7 display, with neater screen alignment and lower failure rate

Traditional P0.7 products require 16 control boxes to splice an 8K screen, while KLCOB0.7 V2 only requires one main control system

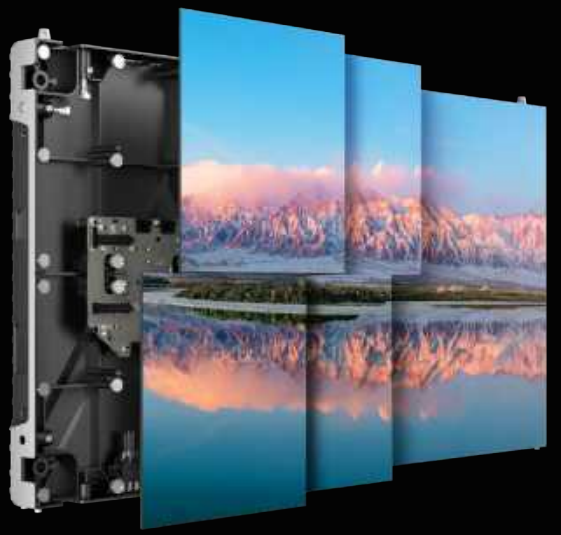
Applicable to KLCOB0.7 V2 products

Excellent Flatness and Front Maintenance

Absen's KLCOB V2 boasts a sleek inter-panel connector that ensures precise flatness and swift assembly. Coupled with a front-accessible maintenance design and the elimination of a rear casing, this innovation streamlines both installation and upkeep, simplifying the process to its core.



- Inter-panel connectors



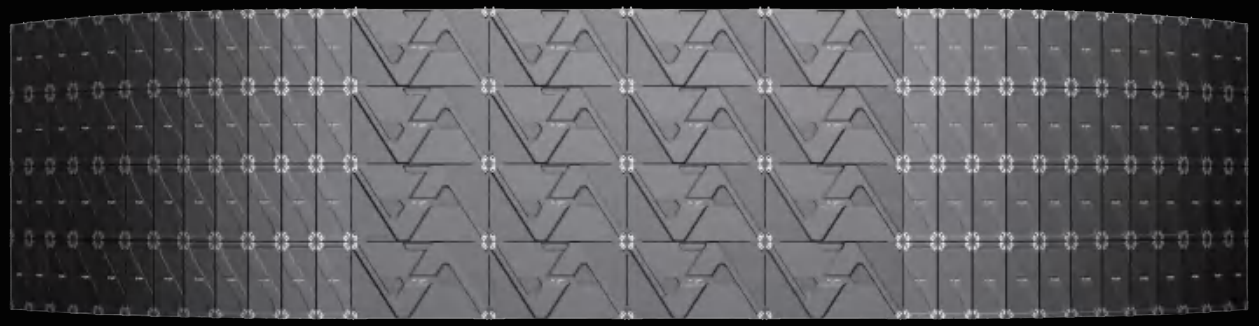
- Front maintenance

Dynamic & Concave for Optimal Visual Display

Using 150×337.5mm small panel for splicing, each supports a maximum internal arc of 3°,
with a minimum radius of only 2.87m,creating an immersive visual experience.

Flexible Splicing for Customization

Supports splicing with standard panels for unlimited size,provides limitless design possibilities.



Quick and Easy Assembly

The KLCOB V2 offers versatile installation options including stacking, wall-mounting, hanging, and precise 90° splicing, catering to a wide array of environmental requirements with ease.

Stacking

Wall-mounting

Hanging

90° splicing

Control Room

Conference Room

Lobby

Luxury Living

TV Studio

Exhibition

Professional service, best experience

Absen service ability

Comprehensive support

Enjoy 2-year warranty, 1 year extended warranty, lifetime support,and enjoy10+ items of professional service solutions to help you solve problems

Global coverage

500+ Absen certified service providers, 3000+ 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

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

Absen service philosophy

Initiative

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

Efficiency

All service channels respond 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 customers' product files and record the entire service process

Thoughtfulness

Longer warranty, worry-free quality

Service channels

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

Service time(GMT+8)

7X24 hours online service

Model	KLCOB0.7 V2	KLCOB0.9 V2	KLCOB1.2 V2	KLCOB1.5 V2	KLCOB1.8 V2
LED Type	Flip-chip RGB	Flip-chip RGB	Flip-chip RGB	Flip-chip RGB	Flip-chip RGB
Pixel Pitch (mm)	0.78	0.93	1.25	1.56	1.87
Panel Dimensions (WxHxD)/(mm)	600×337.5×39.3	600×337.5×39.3	600×337.5×39.3	600×337.5×39.3	600×337.5×39.3
Pixel Per Panel	768x432	640×360	480 × 270	384×216	320x180
Panel Weight (kg)	4.3	4.3	4.3	4.3	4.3
Panel Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
Brightness (nit)	600	600	600	600	500
Refresh Rate (Hz)	3840	3840	3840	3840	3840
Gray scale (bit)	20（Internal processing）	19（Internal processing）	20（Internal processing）	19（Internal processing）	19（Internal processing）
Contrast Ratio	15000:1	15000:1	15000:1	15000:1	15000:1
Viewing Angle (H/V) (°)	160/160	160/160	160/160	160/160	160/160
Power Consumption (Max./Avg.)(W/m²)	425/142	331/110	301/100	336/112	285/95
Operating Temperature (℃)	−10~+40	−10~+40	−10~+40	−10~+40	−10~+40
Operating Humidity (RH)	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21

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