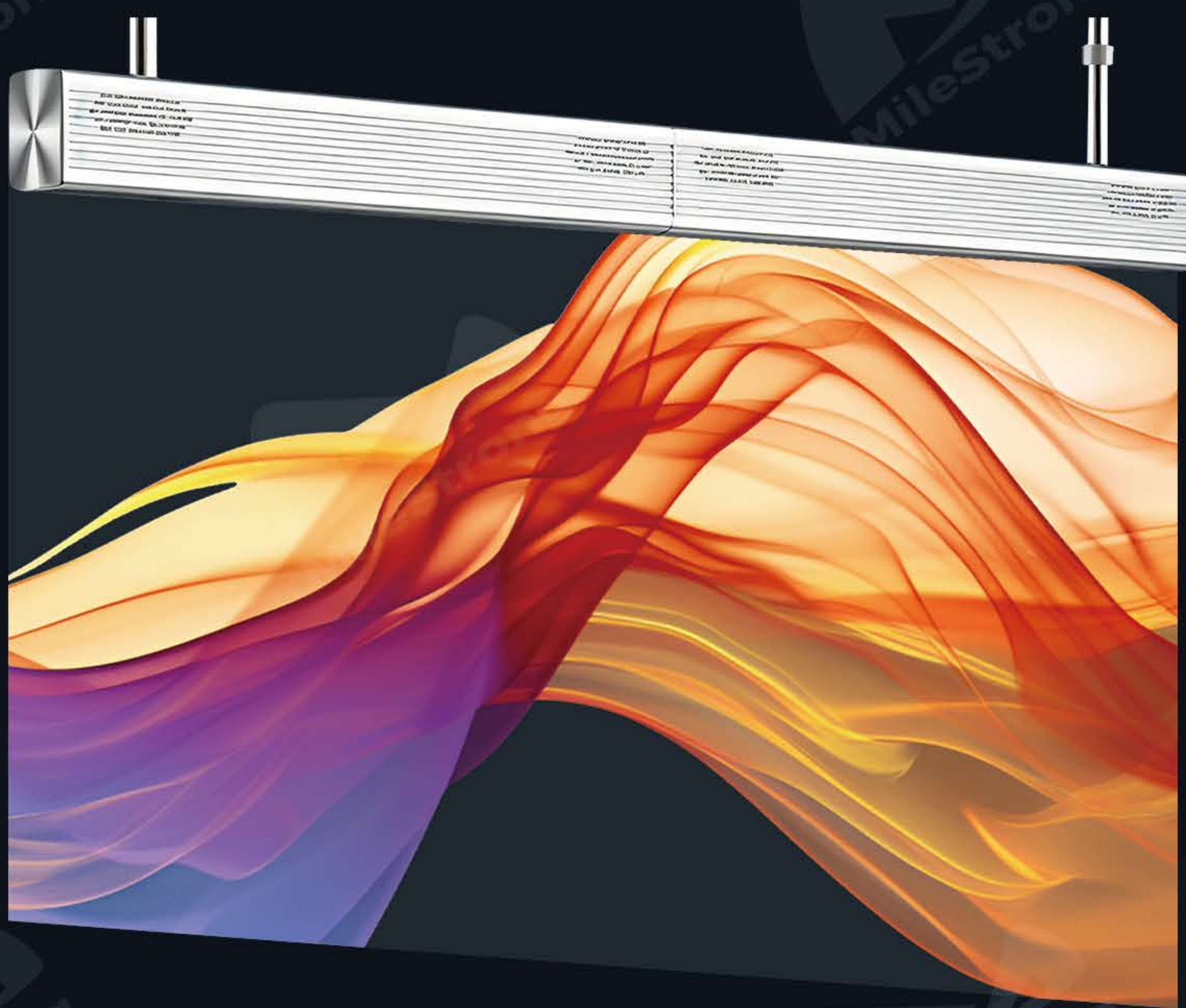




Transparent LED Display

STH Series Holographic LED Display

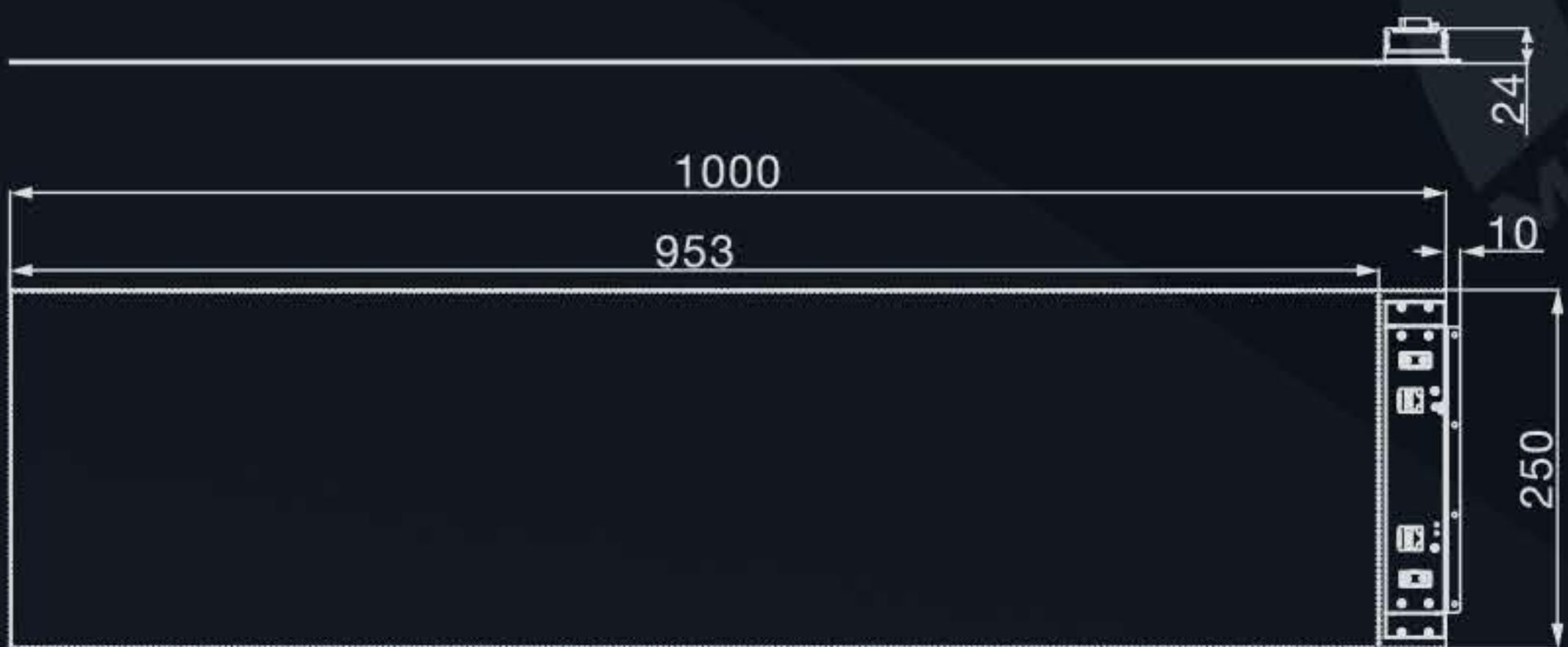
- STH-S Series
- STH-Pro Series

- STH-Plus Series
- STH-H Series

STH-S Series ▾

Ultra-Light & Ultra-Thin Design

With an ultra-lightweight structure of only 2 kg/m² and a thickness of just 1.8 mm, the STH-S Series offers exceptional ease of installation and minimal structural load. Its slim profile enables seamless integration into various architectural surfaces without affecting the original design.



Unit: mm

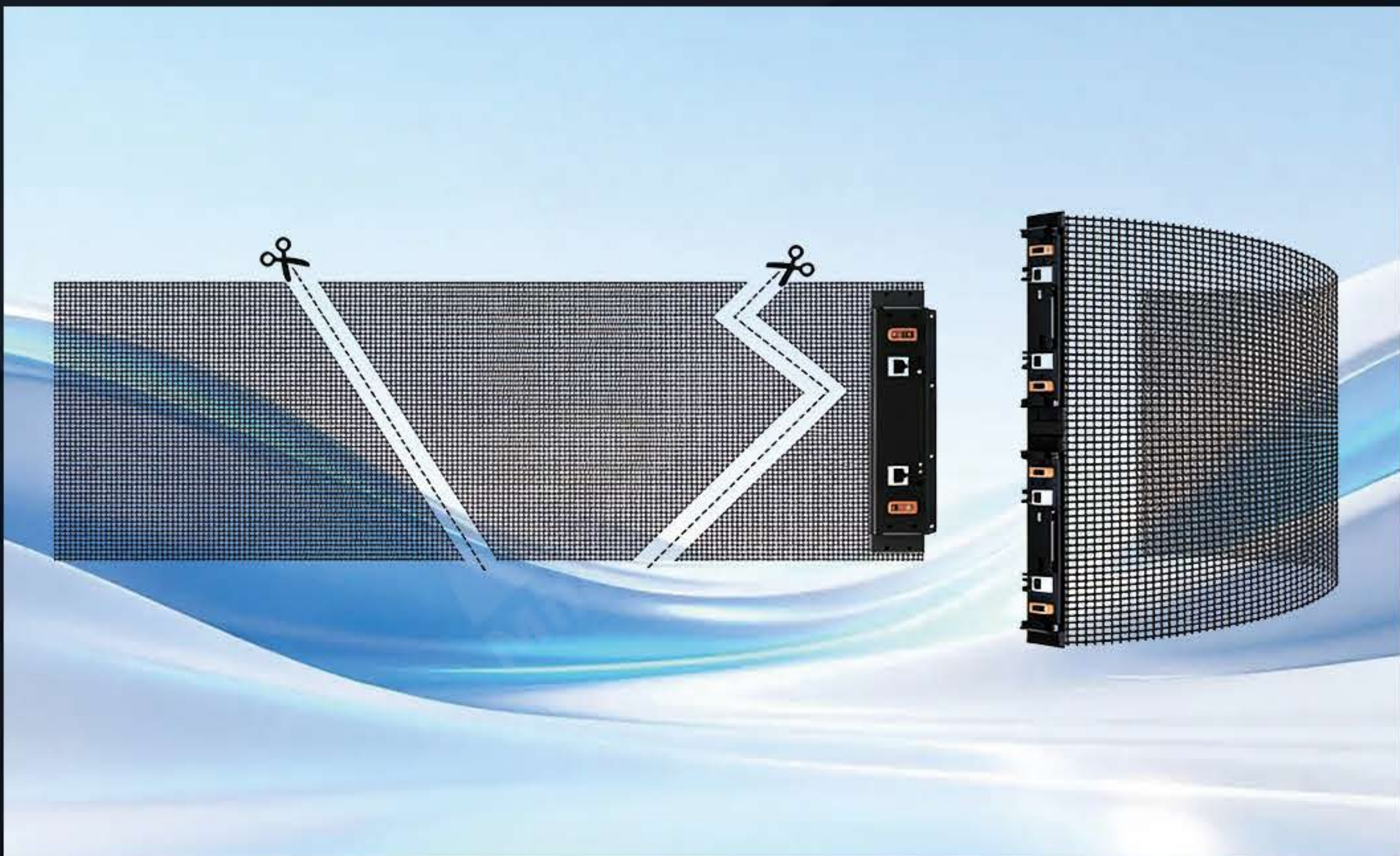
High Transparency Seamless Integration

Featuring over 90% transparency, the screen remains nearly invisible when turned off. It preserves natural lighting and spatial visibility, allowing the display to coexist harmoniously with its surrounding environment.



Flexible & Cuttable for Creative Freedom

Designed for maximum adaptability, the screen is both flexible and bendable, making it suitable for curved and irregular surfaces. It can also be freely cut to fit different project requirements, enabling truly customized and creative display solutions.



Cinema-Grade HD Image Quality

Utilizing vertical and horizontal equal-pitch pixel arrangement along with integrated lamp-driver static driving technology, the display delivers stable performance. With 16-bit high grayscale, it ensures rich color depth, smooth gradients, and flicker-free, jitter-free visuals.



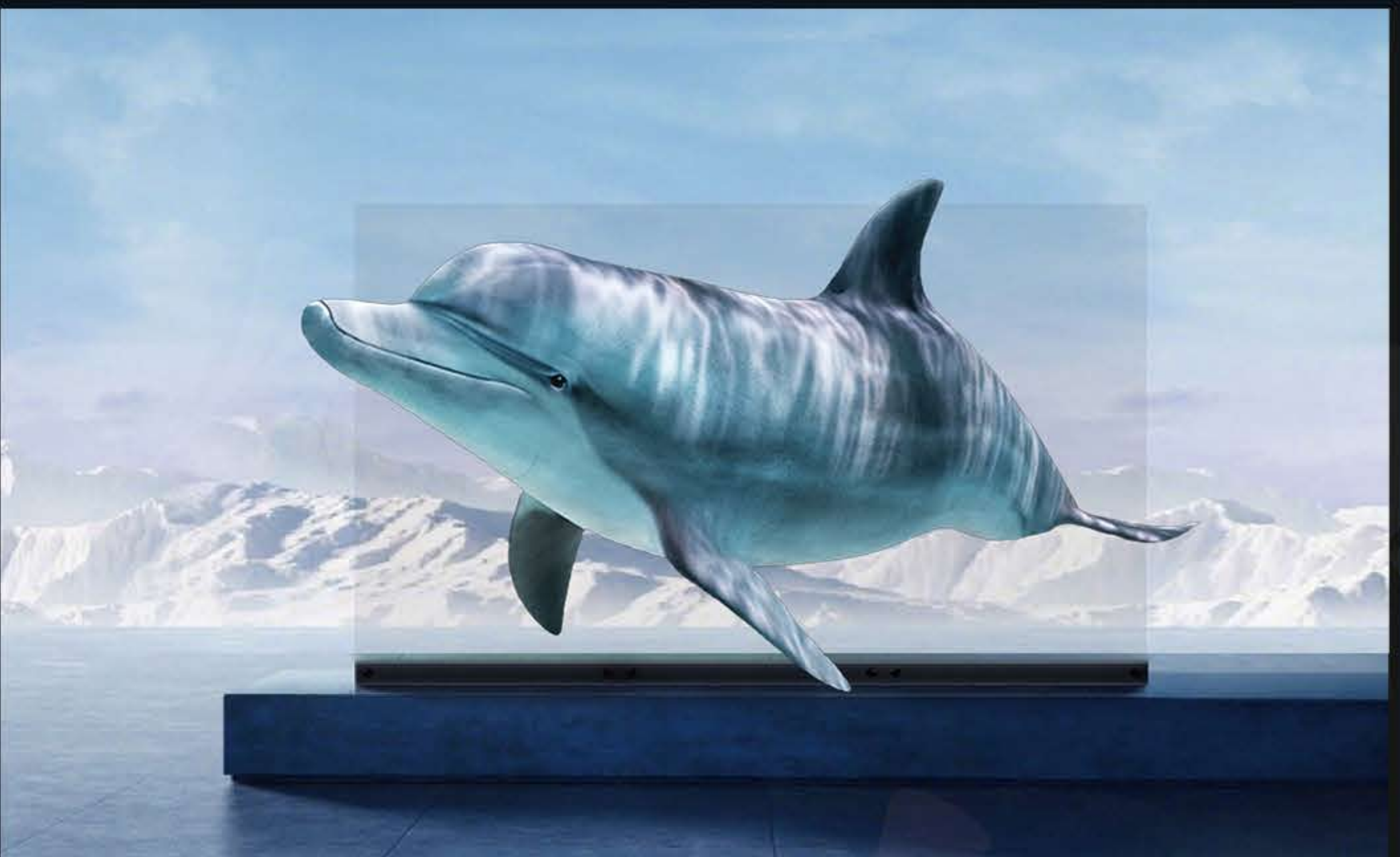
Seamless Large-Scale Splicing

The innovative panel design supports large-size, structure-free splicing. Combined with its high transparency, it creates a clean and uninterrupted visual effect, ideal for expansive display installations.



Naked-Eye AR Floating Visual Effects

The display produces impressive floating image effects without the need for additional devices. It creates a striking naked-eye AR experience, enhancing visual engagement with a strong sense of depth and virtual-real integration.



Intelligent Calibration, Maintenance-Free

Equipped with a built-in FLASH chip, the system automatically stores and restores calibration data. After module replacement, no manual adjustment is required, ensuring consistent brightness and color across the entire screen.



Ultra-Simplified Integrated Design

Highly integrated with display modules, receiving cards, and HUB boards, the system features quick-connect power and signal interfaces. This streamlined design significantly simplifies installation while improving maintenance efficiency.



Parameters

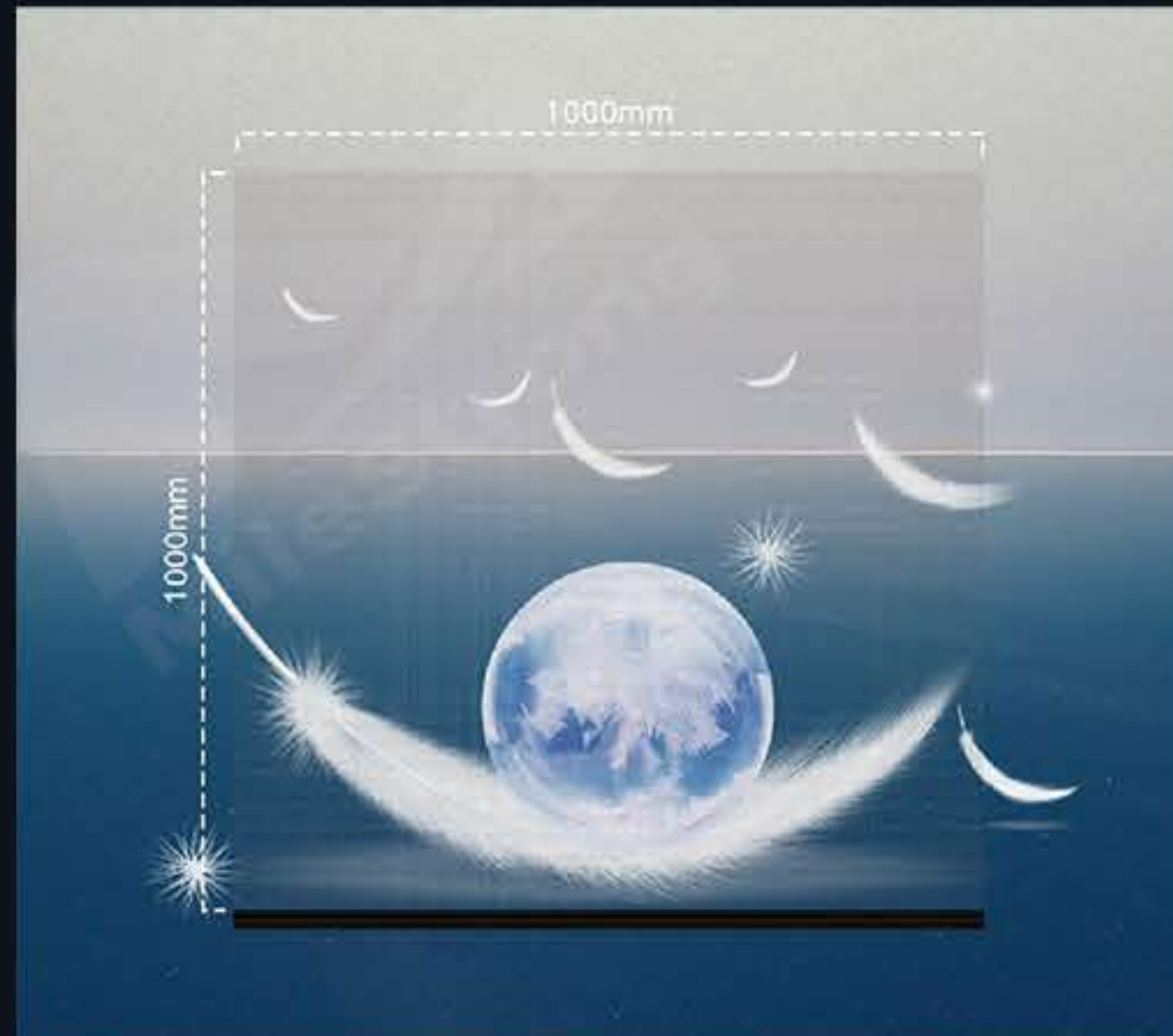
Items	S3		S6	
Pixel Pitch (mm)	3.91-3.91		6.25-6.25	
LED Type	2121		2121	
Pixel Density (pixels/m²)	65,536		25,600	
Transparency Rate	92%		95%	
Profile Dimension (W×H)	250×1,000 / 250×1,200 / 250×1,500			
Display Dimension (W×H)	Module Non-Coplanarity 250×1,000 / 250×1,200 / 250×1,500	Module Coplanarity 250×953 / 250×1,152 / 250×1,453	Module Non-Coplanarity 250×1,000 / 250×1,200 / 250×1,500	Module Coplanarity 250×953 / 250×1,152 / 250×1,453
Resolution (W×H)	Module Non-Coplanarity 64×256 / 64×307 / 64×384	Module Coplanarity 64×244 / 64×295 / 64×372	Module Non-Coplanarity 40×160 / 40×192 / 40×240	Module Coplanarity 40×152 / 40×184 / 40×232
Brightness (cd/m²)	≥3,000(Black LED) ≥4,000(White LED), Module Size≤1,200mm ≥2,000(Black LED) ≥3,000(White LED), Module Size≤1,500mm			
Calibration Parameters	Module/Receiver Card Flash Calibration Storage			
Peak Power Consumption (W/m²)	560			
Average Power Consumption (W/m²)	232			
Weight (kg/set)	1.5 (1,000×1,000) / 1.6 (1,000×1,200) / 1.7 (1,000×1,500)			
Color Temperature (K)	6,500			
Scanning Mode	Light & Driver Integrated, Static Driving			
Frame Rate (Hz)	60~120			
Lifespan (h)	≥100,000			
Grayscale (bit)	16			
Input Voltage	AC100V-AC240V, 50/60Hz			
Power Supply	Chenlian CL-PAS6-300-4.2			
Receiving Card	B7S/N6S Supports Direct Replacement of the Receiving Card			
Operating Environment	-20 °C ~ 50 °C, 20% ~ 85% RH, no condensing			
Storage Environment	-20 °C ~ 60 °C, 10% ~ 85% RH, no condensing			
Protetion Level	IP20			
Installation Method	Hanging Up / Fixed Mounting / PCB Side Glued			
Installation Environment	Indoor			
Packing Way	Pearl Cotton+Wooden Box/Flight Case		Pearl Cotton+Wooden Box/Flight Case	

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

STH-Pro Series ▼

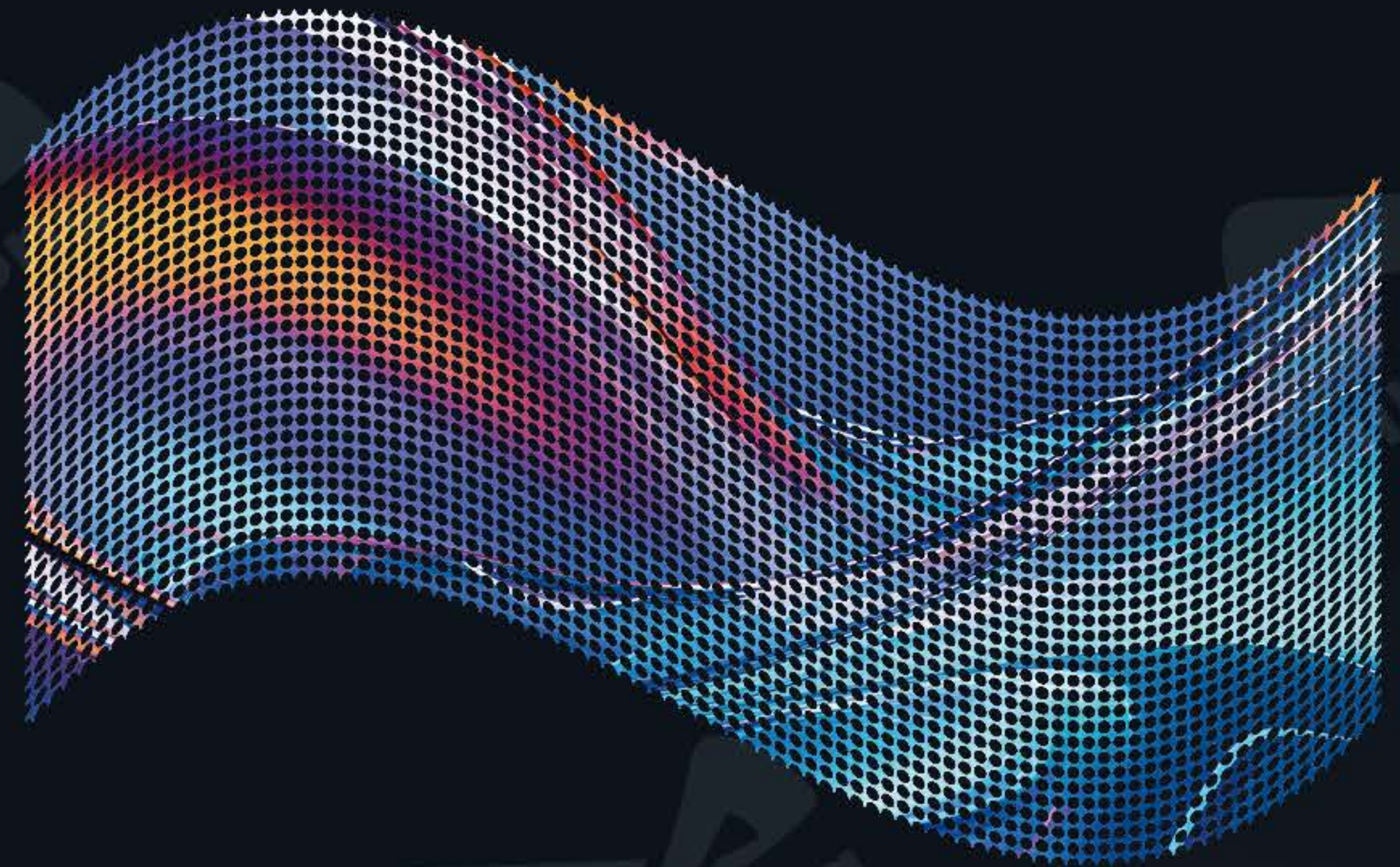
Ultra-Light & Slim Structure

With a lightweight design of only 6 kg/m^2 and an ultra-thin profile of 1.8 mm , the STH-Pro Series ensures easy handling, reduced structural load, and seamless integration into modern glass structures.



Flexible for Curved & Irregular Designs

The standard modules are flexible and bendable, allowing smooth adaptation to curved glass and irregular surfaces. It enables creative installations where traditional displays cannot be applied.



Minimal Installation & Maintenance

Featuring a modular design, the screen can be directly mounted on the front or rear side of transparent glass. It requires no structural modification, preserving building integrity and maintaining natural indoor lighting.



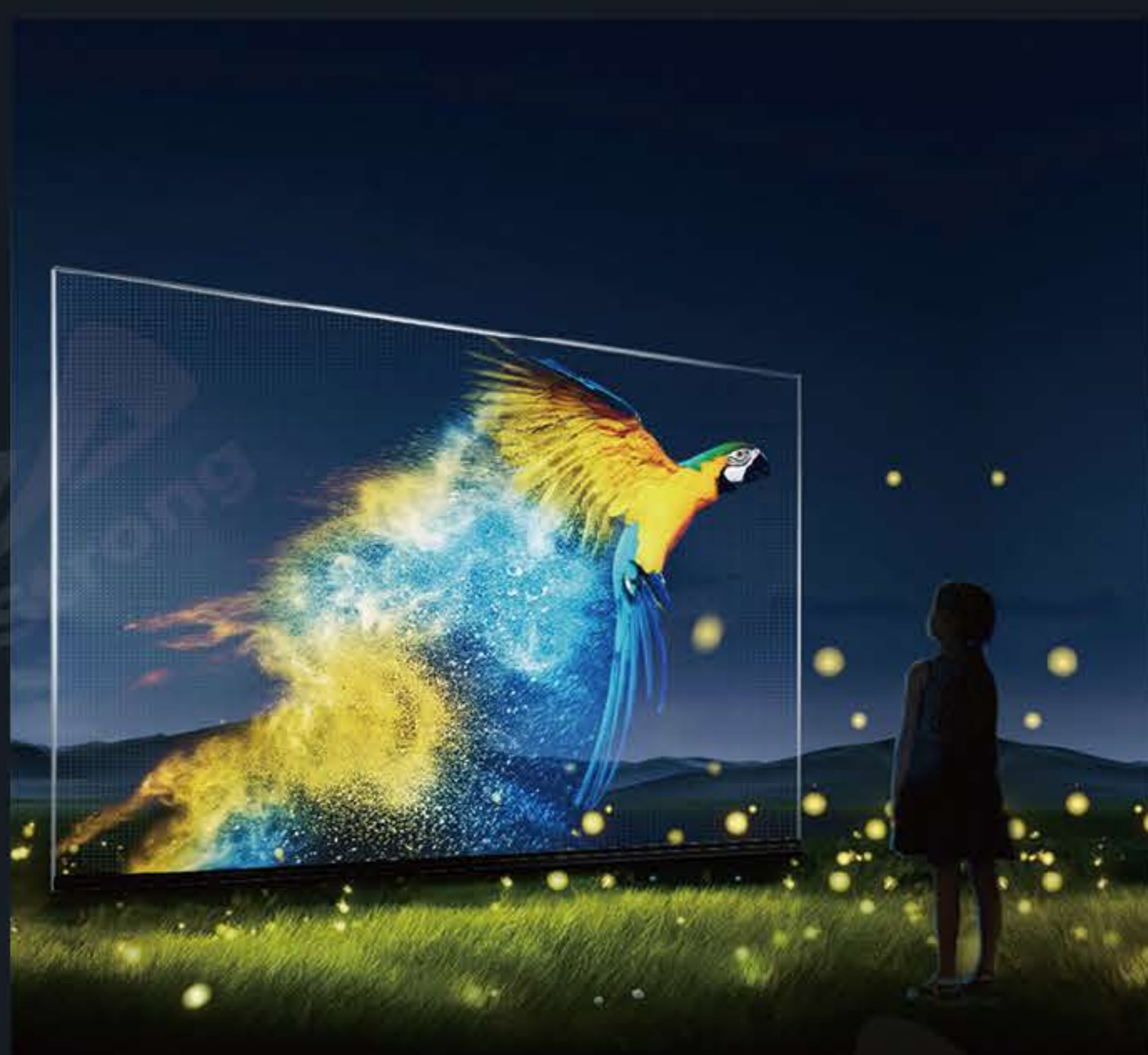
Transparent with Excellent Image Quality

With an equally spaced pixel layout, static driving technology, and integrated driver boards, the display delivers stable, high-definition visuals. The 16-bit grayscale ensures smooth color transitions and refined image performance.



High Brightness & High Contrast

With up to $5,000 \text{ cd/m}^2$ brightness and a $9,000:1$ contrast ratio, the display produces vivid, sharp, and highly visible content, even in bright environments.



Holographic 3D Suspension Visuals

Capable of presenting 3D holographic and floating image effects, the screen creates a strong sense of depth and spatial immersion, enhancing visual impact.



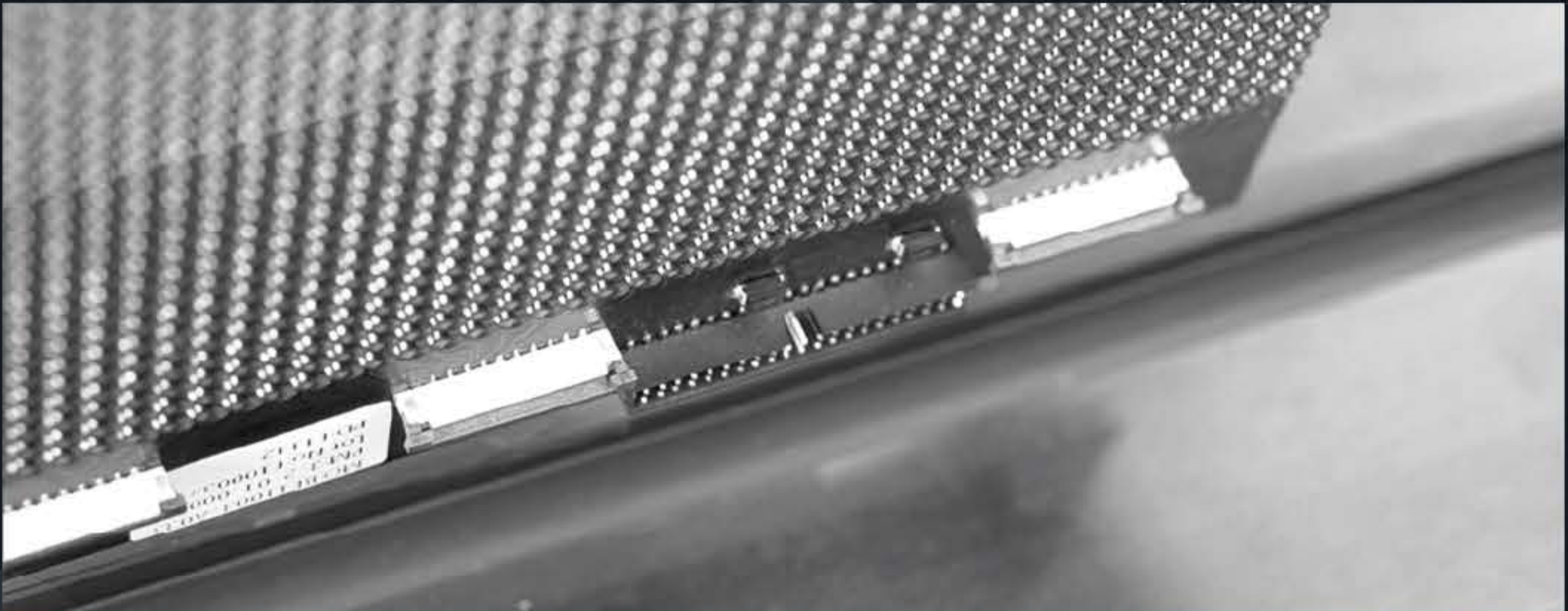
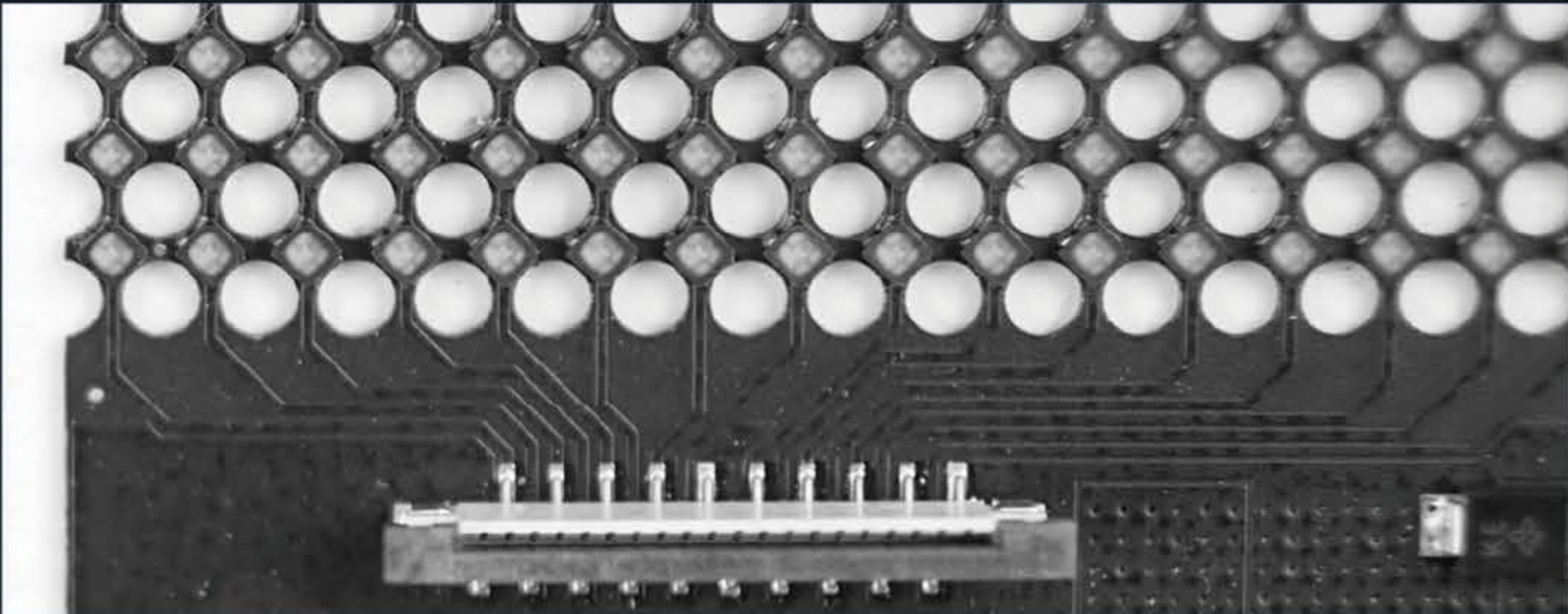
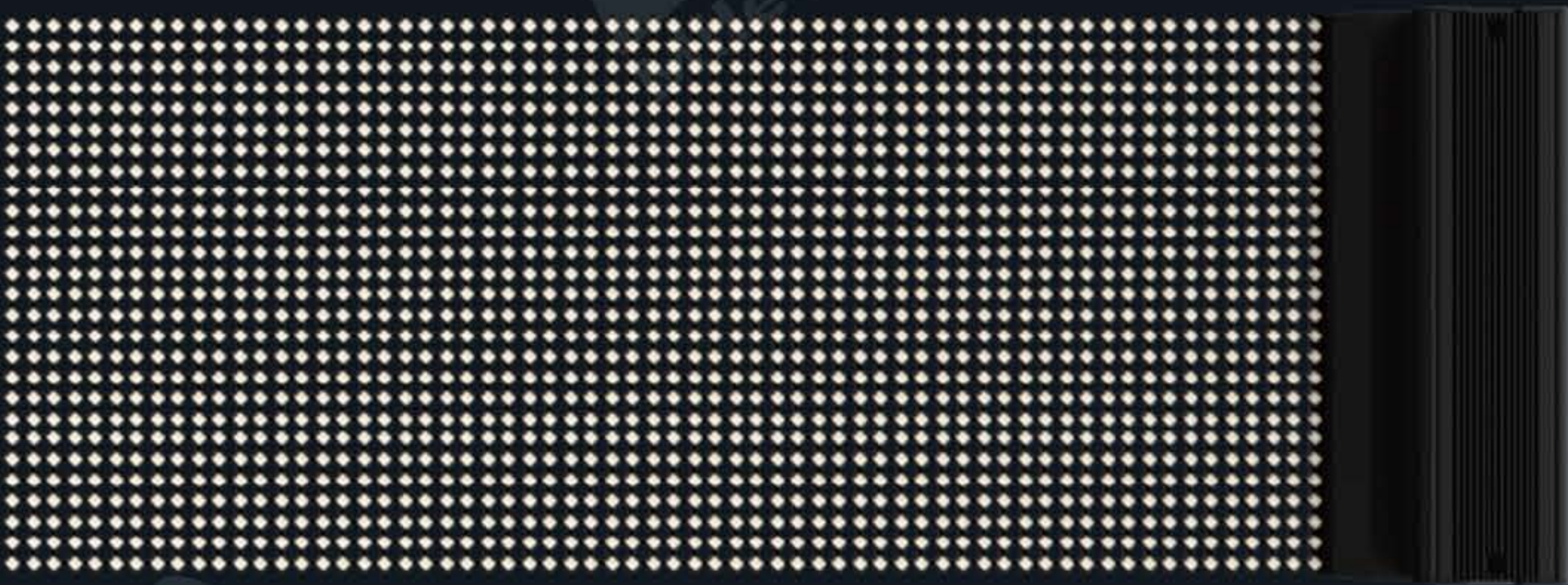
Frameless & Invisible Design

The entire screen is frameless and highly transparent, supporting large-area seamless splicing. The backside remains clean and invisible without additional lighting, maintaining a sleek architectural appearance.



High Transparency & Structural Flexibility

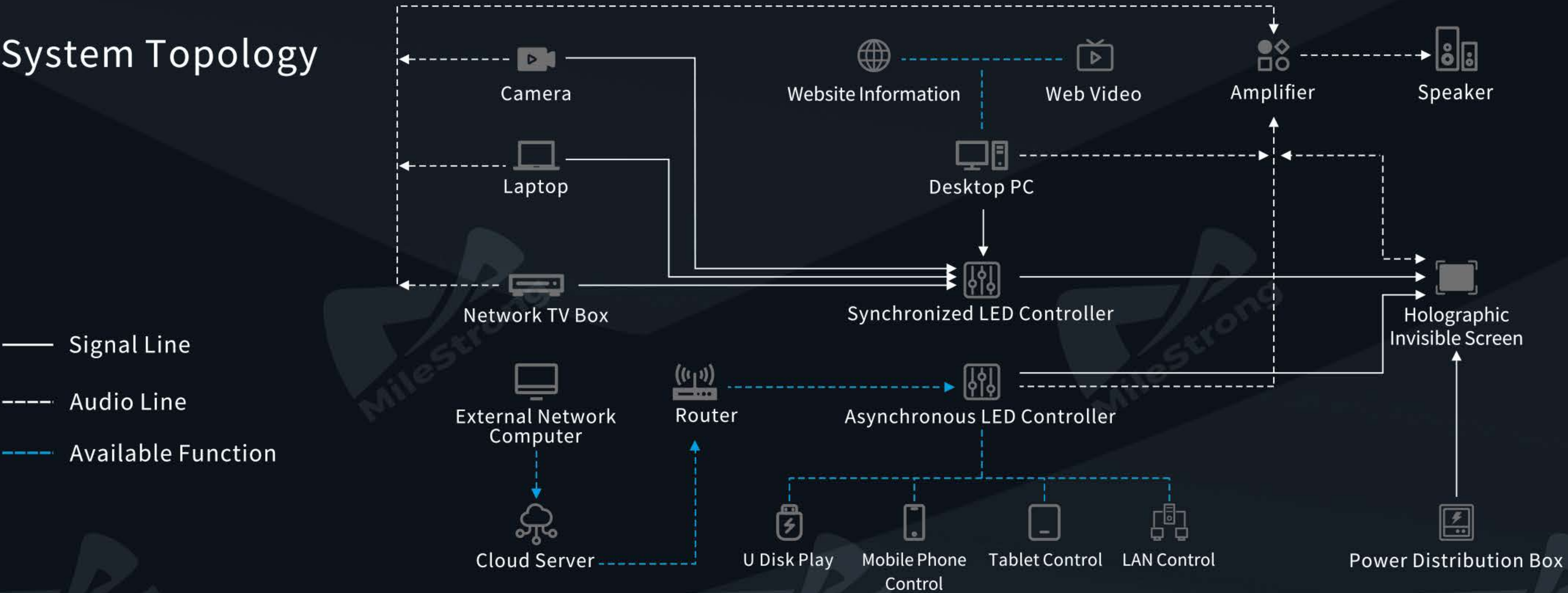
Constructed with high-transparency, high-temperature-resistant materials, the screen achieves up to 80% transparency. Its frameless mounting design allows free splicing in horizontal and vertical directions, supporting display sizes of 2.4-3 meters.



Flexible System Control

The system supports both synchronous and asynchronous control modes. Users can select either mode or combine both for more flexible content management and display operation.

System Topology

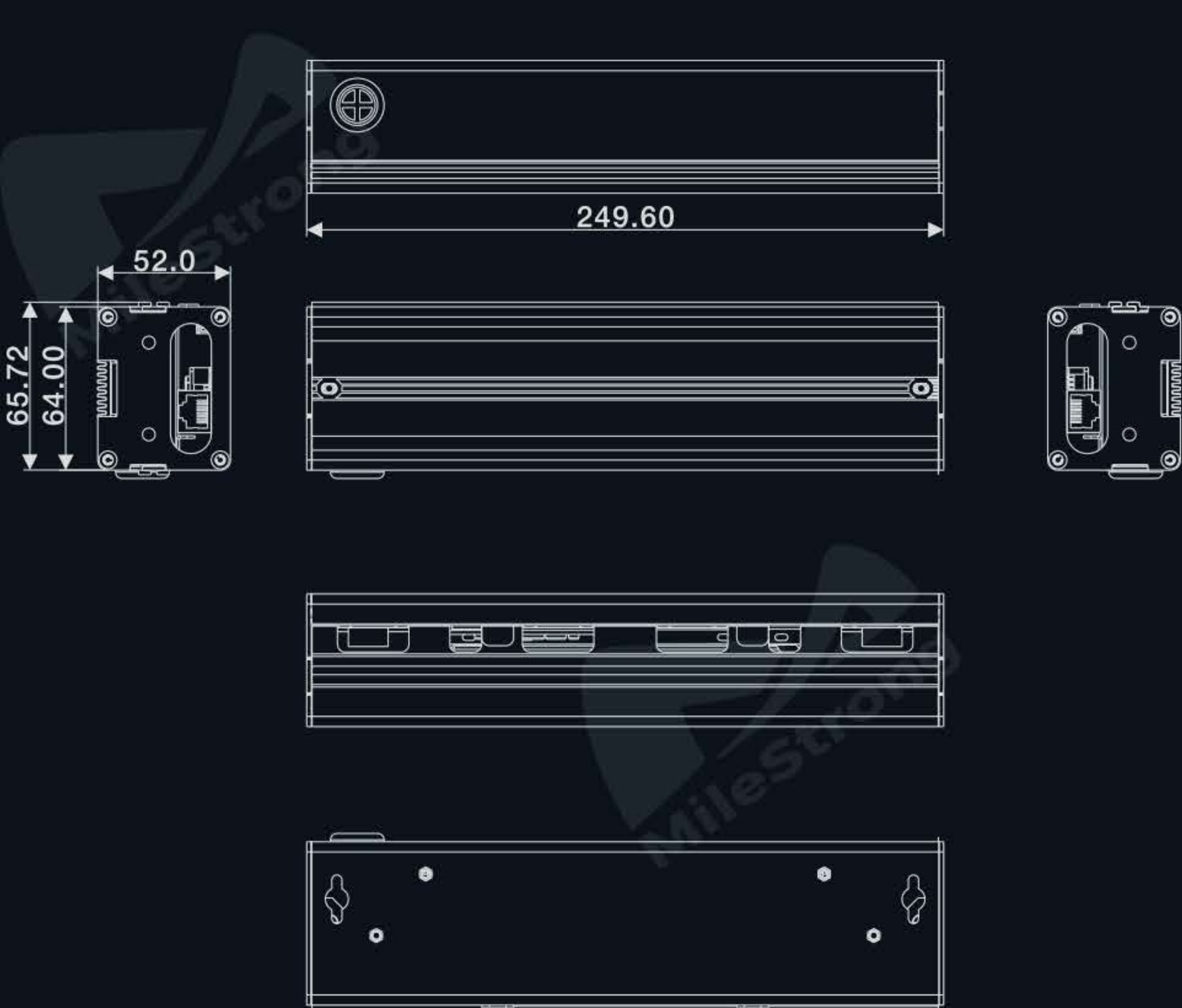


Four Standard Power Box Options

To accommodate different installation environments and structural requirements, the STH-Pro Series offers four standard power box configurations. Each version is designed with specific installation features, providing greater flexibility, easier maintenance, and improved adaptability to various project needs.

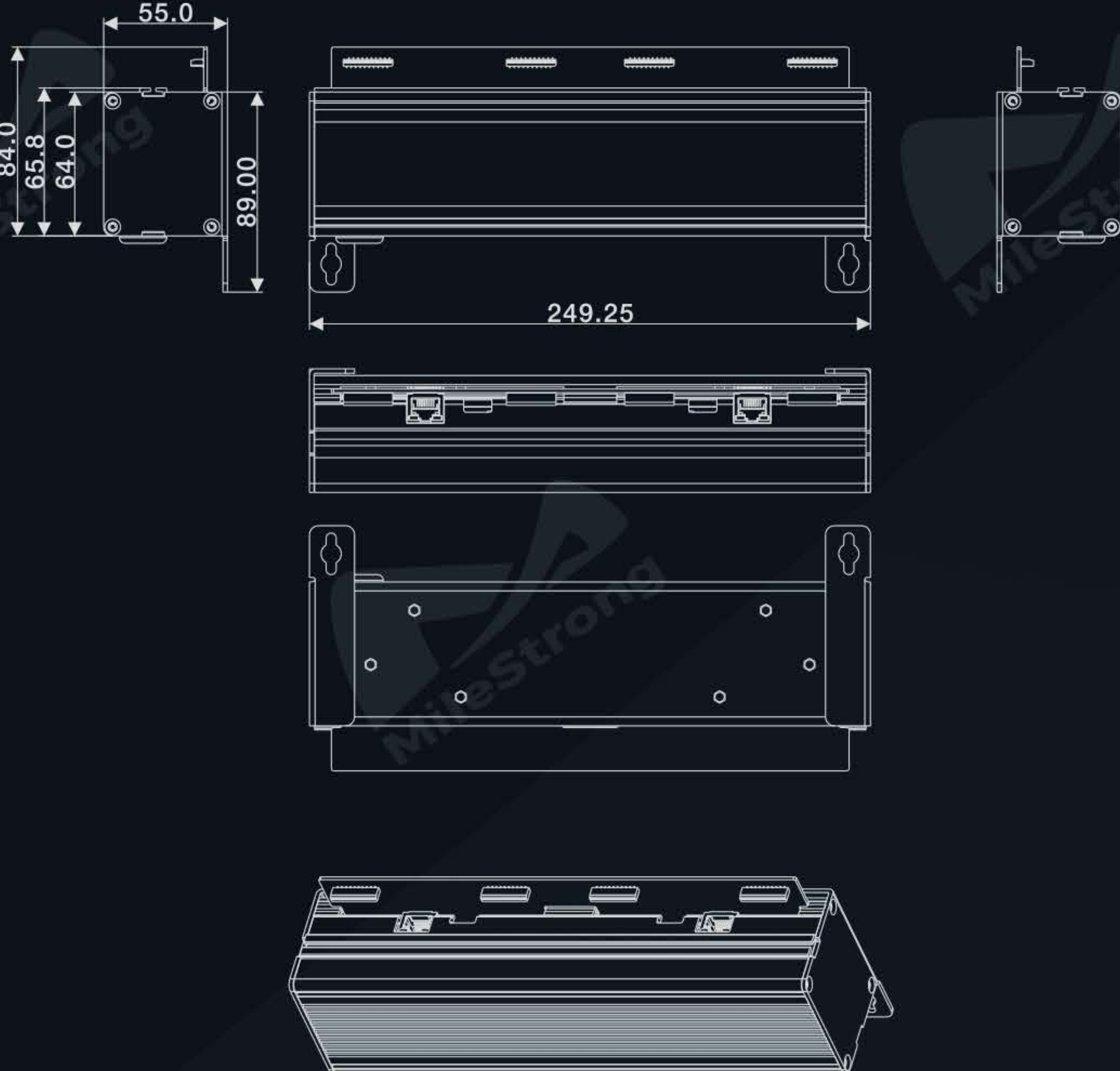
• Version A Power Box

The installation holes are located inside the power box. The cover must be removed before installation or maintenance.



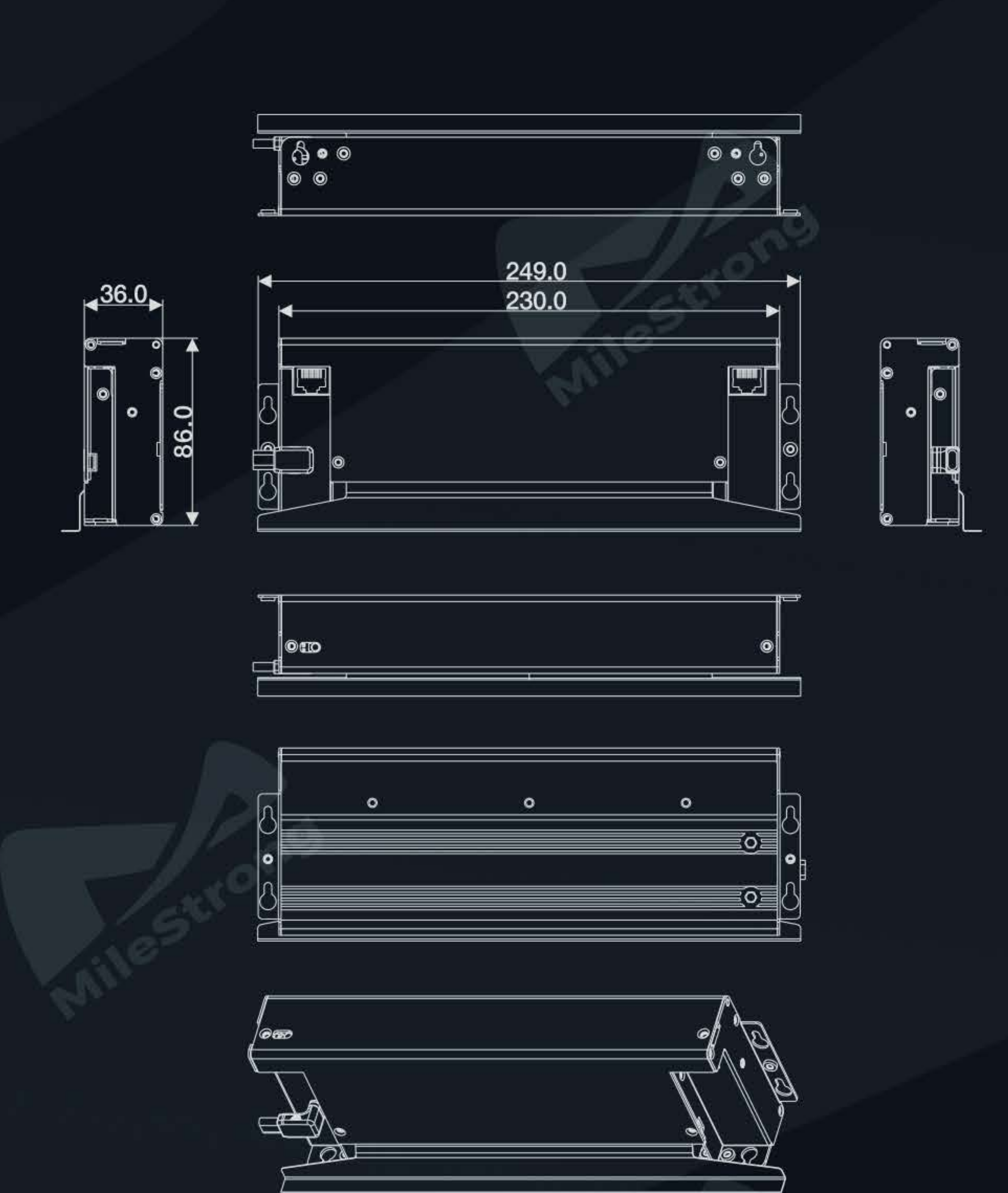
• Version B Power Box

The installation holes are positioned outside the power box, allowing installation and removal without opening the cover.



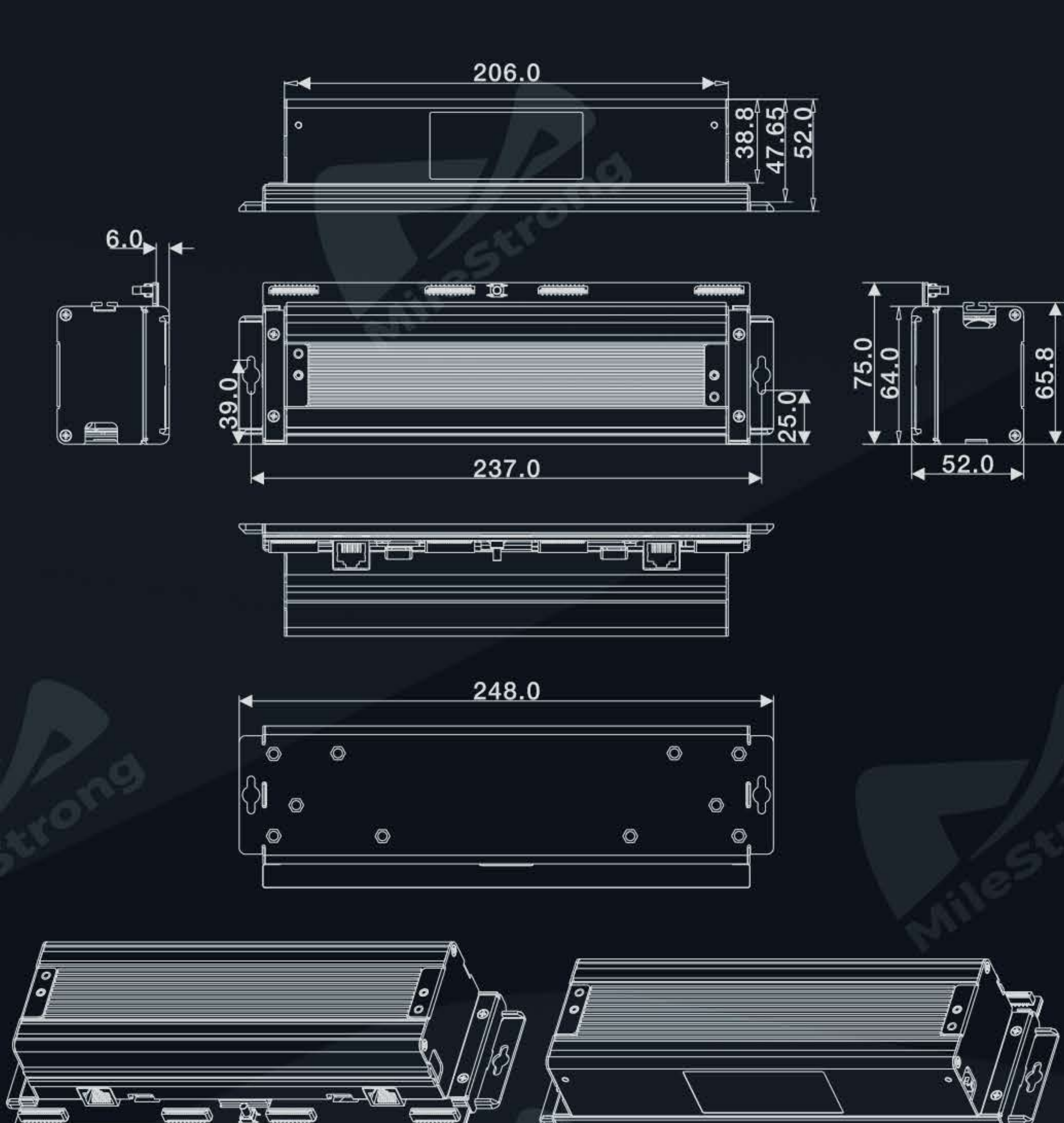
• Version C Power Box

The installation holes are external, eliminating the need to remove the cover. It adopts an FPC wiring solution for the lamp board, featuring a more compact size.



• Version D Power Box

Designed for inner arc installations, no corner cutting is required. Compared to Version B, it reduces decorative width by 37 mm. The spacing between power boxes allows easier alignment and installation.



Parameters

Items	Pro2		Pro3			Pro6			Pro10
Pixel Pitch (mm)	2.5-2.5		3.91-3.91			6.25-6.25			10-10
LED Type	1515		2121			2121			2727
Pixel Density (pixels/m²)	160,000		65,536			25,600			10,000
Transparency Rate	85%		92%			95%			95%
Display Dimension (W×H)	125×1,000	125×1,175	250×1,000	250×1,172	250×1,469	250×1,000	250×1,175	250×1,475	960×1,000
Profile Dimension (W×H)	125×1,025	125×1,200	250×1,025	250×1,197	250×1,500	250×1,025	250×1,200	250×1,500	960×1,000
Resolution (W×H)	50×400	50×470	64×256	64×300	64×376	40×160	40×188	40×236	96×100
Brightness (cd/m²)	≥1,200 (Black LED)		≥3,000 (Black LED) ≥4,500 (White LED)		≥2,000 (Black LED) ≥3,000 (White LED)	≥5,000 (White LED)		≥4,500 (White LED)	≥7,000 (White LED)
Peak Power Consumption (W/m²)	865								800
Average Power Consumption (W/m²)	350								300
Weight (kg/set)	0.2	0.25	0.4	0.5	0.6	0.4	0.5	0.6	8
Power Box Weight (kg/set)	Type B and D is 1.1kg								No External Power Supply Box
Color Temperature (K)	3,000~10,000								
Scanning Mode	Light & Driver Integrated, Static Driving								Static Driving (Single Pixel Single Control)
Frame Rate (Hz)	60~120								
Lifespan (h)	≥100,000								
Grayscale (bit)	16bit								
Input Voltage	AC100V-AC240V, 50/60Hz								
Working Voltage for Module	DC4.2V±0.2V								
Operating Environment	-20 °C ~ 50 °C, 20% ~ 85% RH, no condensing								
Storage Environment	-20 °C ~ 60 °C, 10% ~ 85% RH, no condensing								
Protetion Level	IP20								
Installation Method	LED Side Glued / PCB Side Glued / Hanging Up								Fixed Installation / Hanging Installation
Installation Environment	Indoor								
Module Packing Specification (16pcs per box, mm)	L1,295×W335×H270		L1,295×W335×H270		L1,570×W335×H270	L1,295×W335×H270		L1,570×W335×H270	Single Cabinet Packaging
Power Box Packing Specification (30pcs per box, mm)	L1,595×W335×H270		L1,295×W335×H270			L1,295×W335×H270			L1,000*W960* H55

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

STH-Plus Series ▾

Ultra-Long Module Design

The STH-Plus Series features a single-ended control design with ultra-long modules for extended display coverage. With a pixel pitch of 3.91 mm, module length can reach up to 4.22 meters, while the 6.25 mm option supports lengths up to 6.75 meters, significantly reducing connection points and improving overall visual consistency.

Plus3 Module Dimension



Plus6 Module Dimension

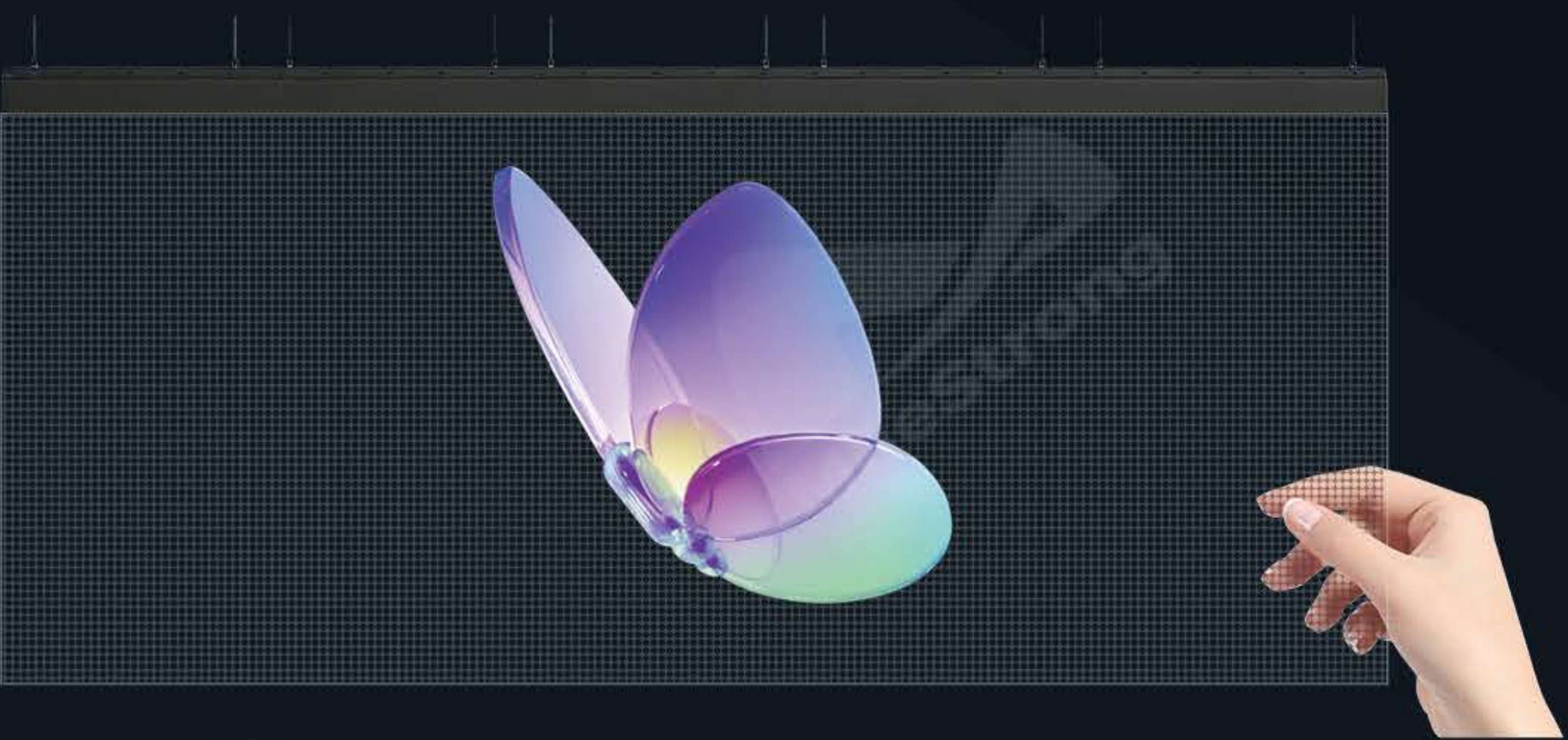


Module Assembly Diagram



Ultra-Light & Ultra-Thin Structure

Weighing only 5–6 kg/m² and with a thickness of just 1.8 mm, the display offers a light-weight and slim profile. Its nearly invisible structure minimizes load requirements and allows seamless integration into glass environments.



HD Display Performance

With equally spaced horizontal and vertical pixels, integrated driver technology, and 16-bit grayscale, the display delivers refined image quality with smooth color transitions. It also supports 3D holographic and spatial floating image effects, enhancing visual depth and engagement.



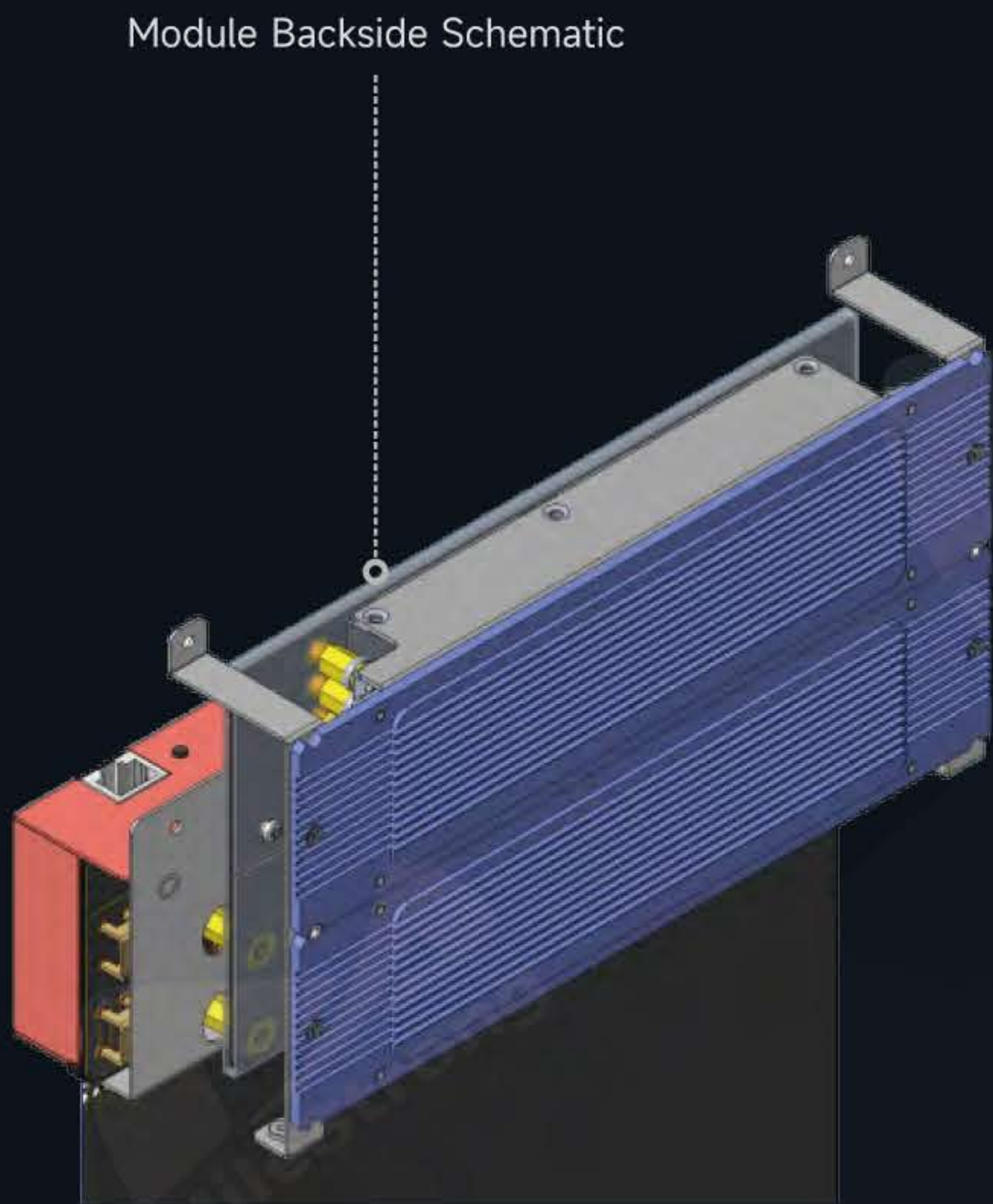
High Transparency & Heat-Resistant Design

Engineered with high-transparency and high-temperature-resistant materials, the module achieves over 90% visual transparency. It maintains natural lighting while ensuring stable performance under various environmental conditions.



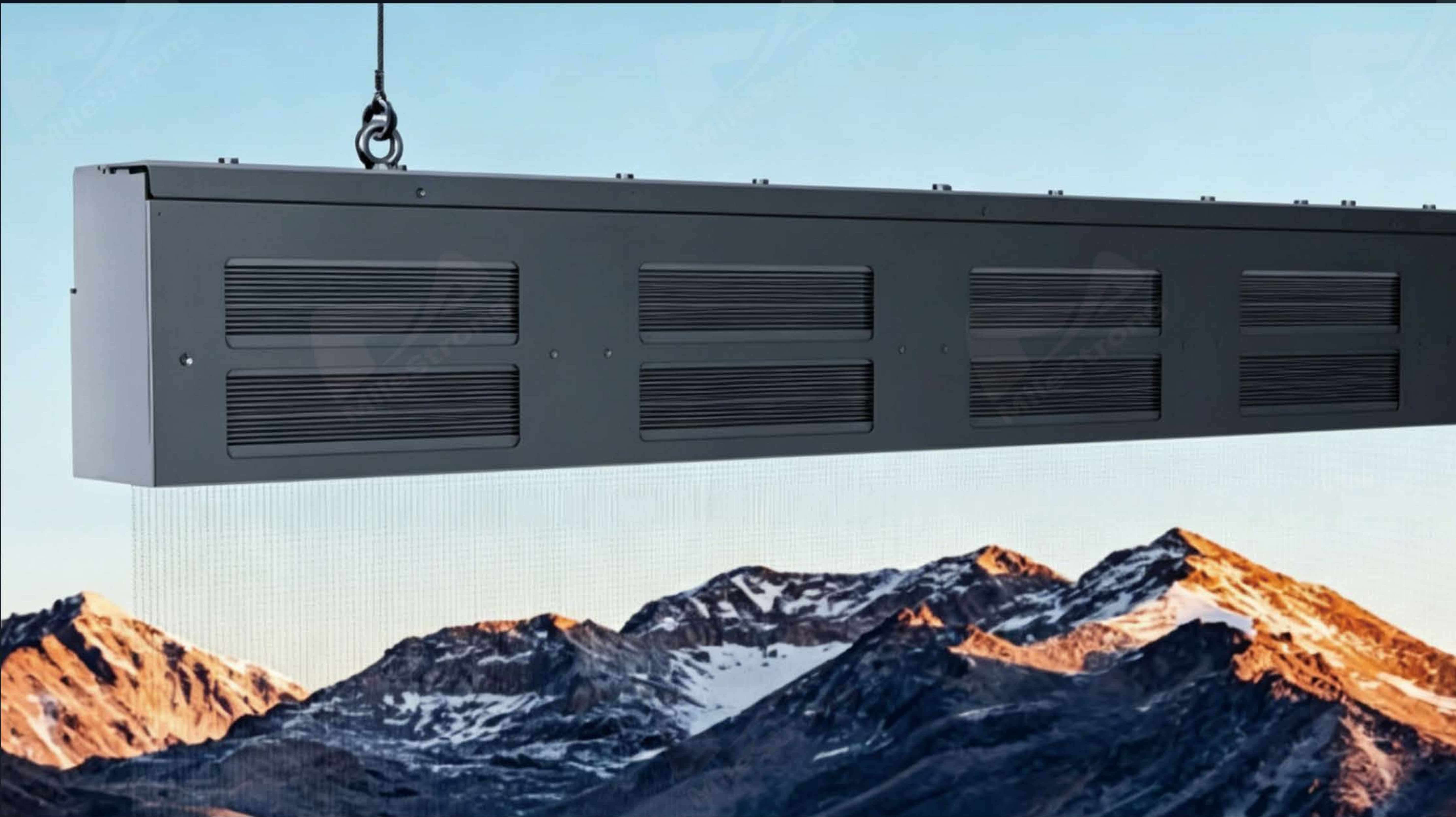
Optimized Hardware Architecture

The system adopts a streamlined hardware architecture, ensuring stable signal transmission and efficient operation. Its optimized design enhances reliability while simplifying system configuration and management.



Suspension Installation & Frameless Design

Supporting suspended installation, the display enables extra-large, three-sided frameless configurations. With transparency exceeding 95% of the overall structure, it delivers a clean, open visual effect while maintaining strong visual impact.



Parameters

Items	Plus3	Plus6
Pixel Pitch (mm)	3.91-3.91	6.25-6.25
LED Type	1515	2121
Pixel Density (pixels/m²)	65,536	25,600
Transparency Rate	92%	95%
Display Dimension (W×H)	250×4,218.75	250×6,750
Profile Dimension (W×H)	250×4,282	250×6,813
Resolution (W×H)	64×1,080	40×1,080
Brightness (cd/m²)	≥2,000 (Black LED)	≥3,000 (White LED)
Peak Power Consumption (W/m²)	660	550
Average Power Consumption (W/m²)	250.8	220
Weight (kg/pc)	2.7	3.6
Color Temperature (K)	3,000~10,000	
Scanning Mode	Static Driving (Single Pixel Single Control)	
Frame Rate (Hz)	60	
Lifespan (h)	≥100,000	
Grayscale (bit)	16bit	
Input Voltage	AC100V-AC240V, 50/60Hz	
Working Voltage for Module	DC4.2V±0.2V	
Operating Environment	-20 °C ~ 50 °C, 20% ~ 85% RH, no condensing	
Storage Environment	-20 °C ~ 60 °C, 10% ~ 85% RH, no condensing	
Protetion Level	IP20	
Installation Method	Hanging Up	
Installation Environment	Indoor	

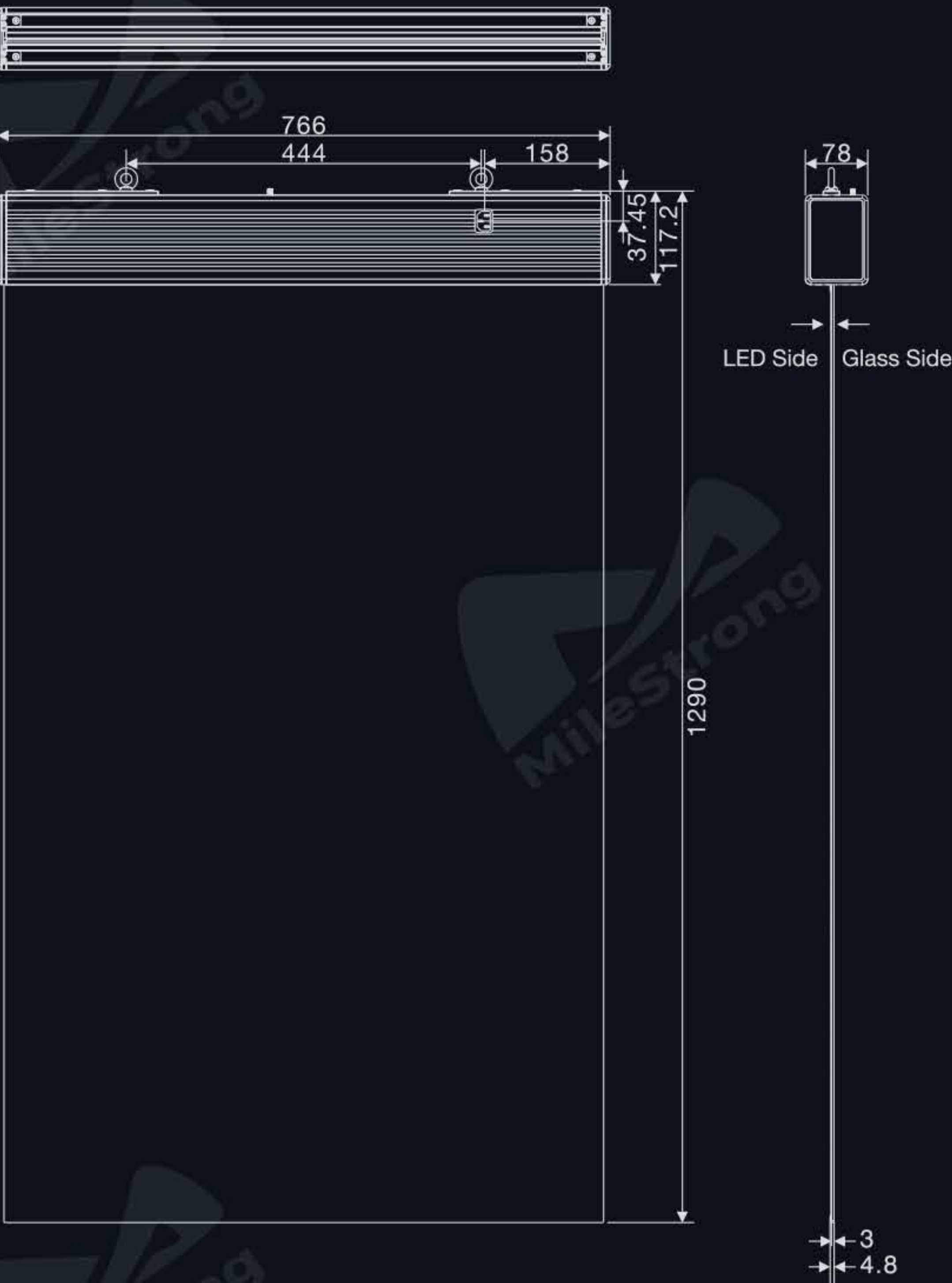
* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

STH-H Series ▼

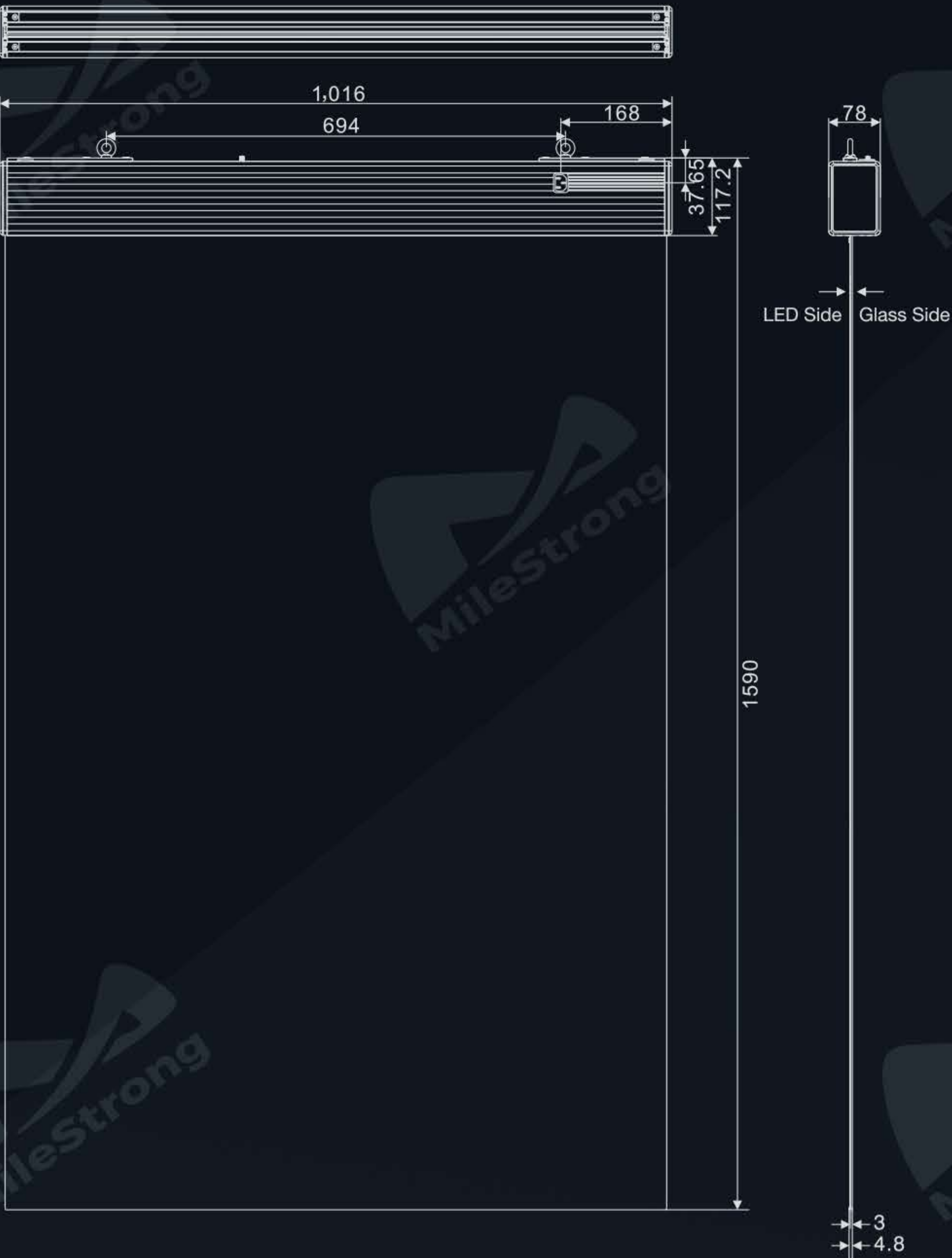
Flexible Installation Options

The STH-H Series supports both hanging and floor-standing installation methods, offering flexible deployment for different environments. Available in 55" and 70" sizes, it adapts easily to various spatial and display requirements.

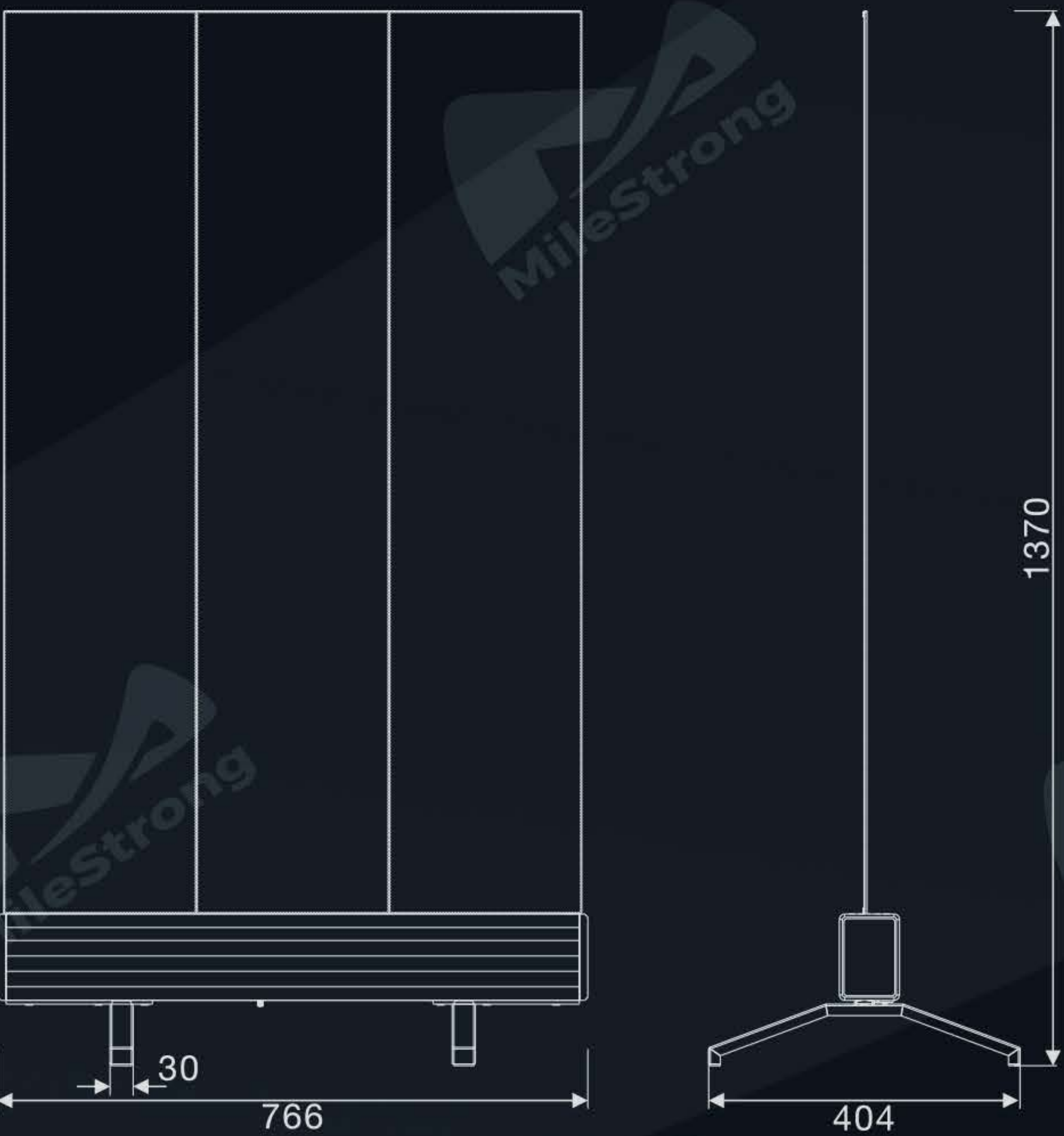
▼ 55" Hanging



▼ 70" Hanging



▼ 55" Floor-Standing



Fully Transparent & Invisible Design

The entire screen is highly transparent and remains virtually invisible when not in use. It does not obstruct natural light or viewing lines, ensuring seamless integration into any environment.



High-Resolution Image Performance

Delivering high-resolution display quality, the screen ensures stable video playback with rich and delicate colors. It provides clear and consistent visuals for dynamic content presentation.



Plug & Play Simplicity

With a built-in sending card and a single power supply cable, the system supports true plug-and-play functionality. It simplifies setup and allows for quick and efficient operation without complex configuration.

Naked-Eye AR Floating Visual Effects

The display produces striking floating image effects with naked-eye AR visuals, creating an eye-catching and immersive viewing experience that enhances content presentation.



Flexible System Compatibility

The system supports both Colorlight and Nova control systems, with asynchronous control capabilities for flexible and convenient content management.



Power Line



Asynchronous LED Controller



U Disk Play



Mobile Phone
Control



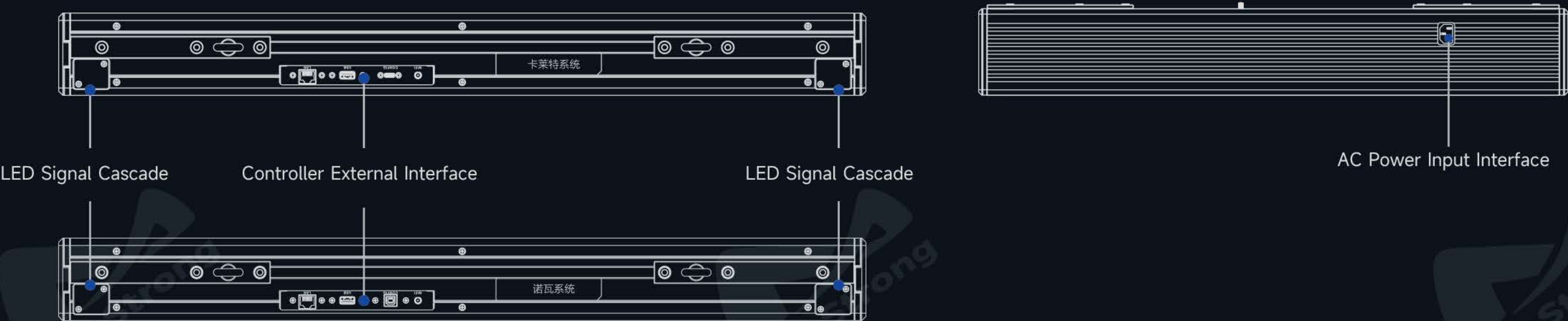
Tablet Control



LAN Control

Cascading & Control Functionality

Multiple poster screens can be cascaded via Ethernet cable by adjusting internal signal connections, enabling synchronized large-format displays. The built-in asynchronous controller and external interfaces make program control and updates more efficient.



No.	Name	Description
1	LED Signal Cascade	By adjusting internal signal cable, multiple Poster Screens can be cascaded by Ethernet Cable, therefore the whole image can be separated to each screen
2	AC Power Input	AC100~240V 50/60Hz
3	Controller External Interface	Internal asynchronous controller, external interfaces are easier for controlling and updating programs

Integrated Controller Interface Design

Equipped with built-in controller options such as Colorlight A35S and NovaStar T10, the system provides multiple external interfaces for flexible connectivity and stable signal transmission.



▲ Description of Internal Colorlight A35S Controller's External Interfaces

▲ Description of Internal NovaStar T10 Controller's External Interfaces

No.	Name	Description
1	WiFi Antenna Interface	External WiFi Antenna Interface
2	CONFIG	NovaStar: USB-C Colorlight: USB-B For device controlling, screen parameter setting and program publishing
3	USB3.0	USB-A, support USB3.0, for USB Disk program updating
4	ETHERNET	100M Ethernet Interface, for connecting the upper computer system to the controller, or connect the device to the LAN for program publishing and screen controlling

Standard Accessories

The product is equipped with a complete set of standard accessories to ensure convenient installation and operation.



Parameters

Items	H25	H27	H35	H37	H65	H67
Pixel Pitch (mm)	2.5-2.5		3.91-3.91		6.25-6.25	
LED Type	1515		2121		2121	
Pixel Density (pixels/m²)	160,000		65,536		25,600	
Transparency Rate	85%		92%		95%	
Screen Dimension (inch)	55	70	55	70	55	70
Display Dimension (W×H)	750×1,175	1,000×1,475	750×1,172	1,00×1,469	750×1,175	1,000×1475
Profile Dimension (W×H)	766×1,294×78	1,016×1,592×78	766×1,291.5×78	1016×1,592×78	766×1,291.5×78	1,016×1,592×78
Resolution (W×H)	300×470	400×590	192×300	256×376	120×188	160×236
Brightness (cd/m²)	≥1,300 (Black LED)		≥1,300 (Black LED) , ≥5,000 (White LED)		≥5,000 (White LED)	
Peak Power Consumption (W/m²)	865					
Average Power Consumption (W/m²)	330					
Color Temperature (K)	3,000~10,000					
Scanning Mode	Static Driving (Single Pixel Single Control)					
Frame Rate (Hz)	60~120					
Encapsulation Type	Light Board & Driver Board Integrated					
Lifespan (h)	≥100,000					
Grayscale (bit)	16bit					
Input Voltage	AC100V–AC240V, 50/60Hz					
Working Voltage for Module	DC4.2V±0.2V					
Operating Environment	-20 °C ~ 50 °C, 20% ~ 85% RH, no condensing					
Storage Environment	-20 °C ~ 60 °C, 10% ~ 85% RH, no condensing					
Protetion Level	IP20					
Installation Method	Hanging Up / Floor Standing					
Installation Environment	Indoor					
Packing Way	Pearl Cotton+Carton/Flight Case					

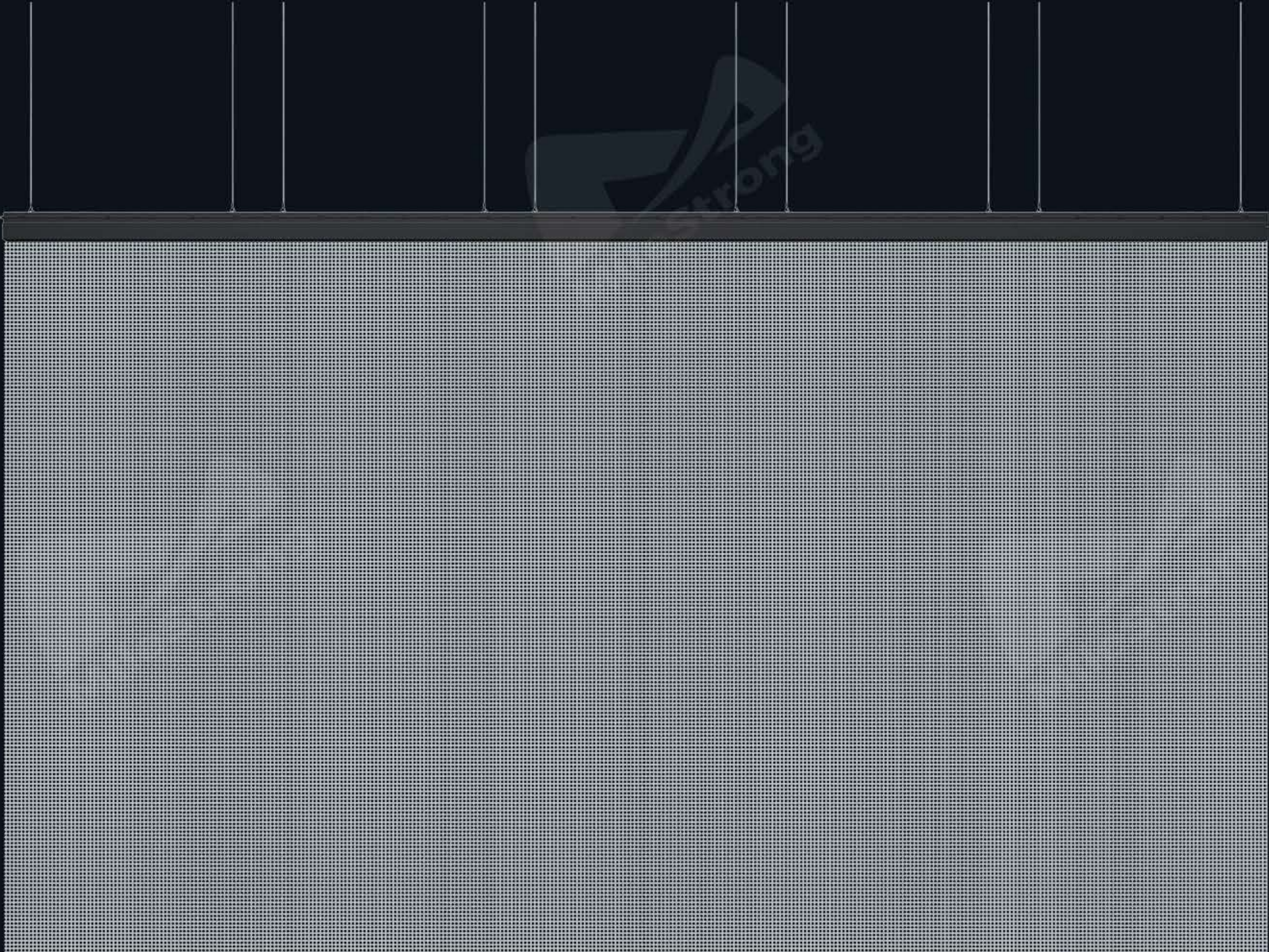
* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Flexible Power Options

Our holographic LED display supports top-to-bottom stacking to create a larger display area with a seamless visual experience. Based on the screen size, installation conditions, and power requirements, customers can choose between dual-side or single-side power supply configurations.

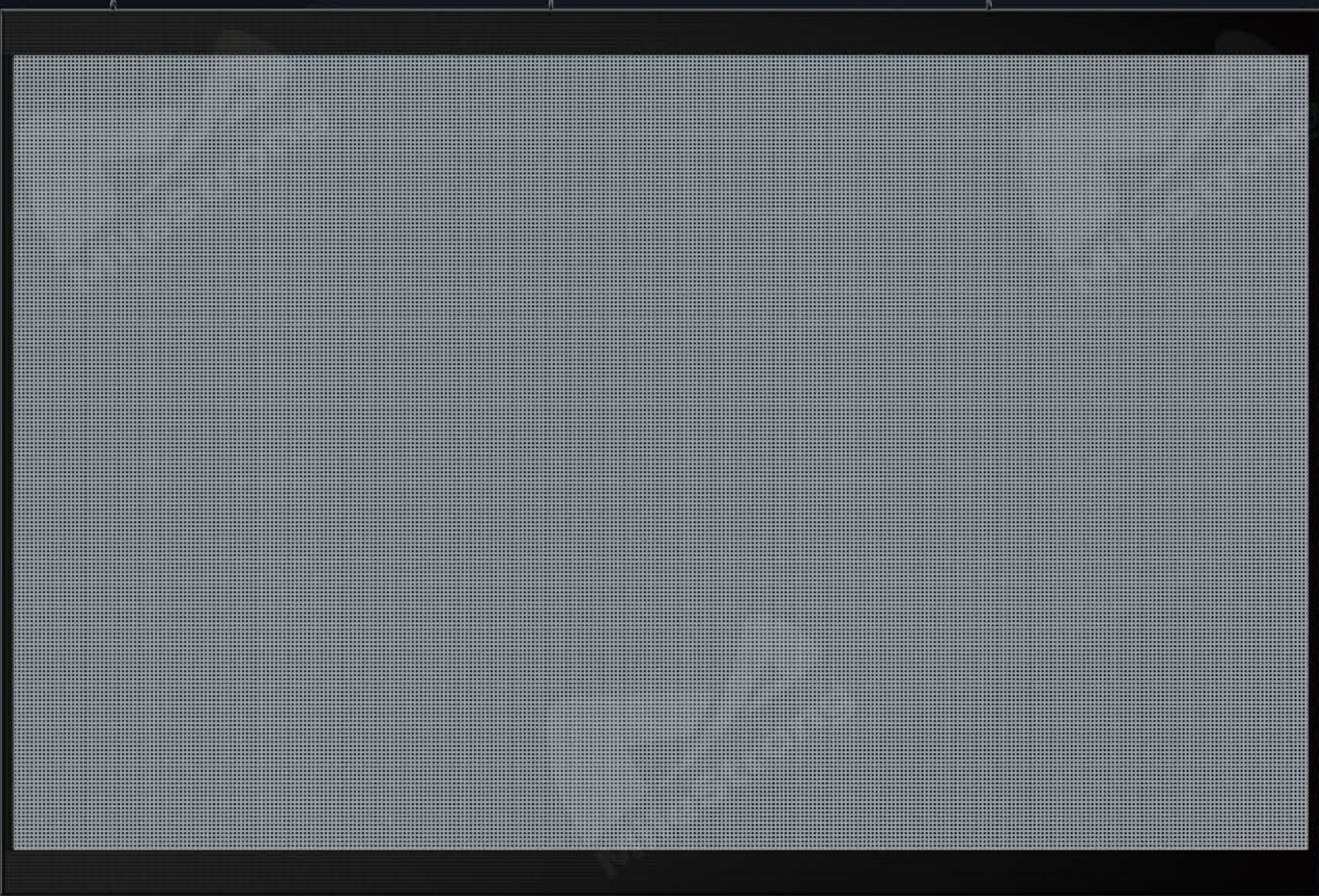
Single-Side Power Supply

Simplifies cable routing and creates a cleaner installation, ideal for projects with limited space or specific wiring requirements.



Dual-Side Power Supply

Provides balanced power distribution and stable performance for larger or high-brightness installations.



Application Scenarios

The STH Series is widely applied in retail shop windows, shopping malls, exhibition centers, and showrooms. It is also commonly seen in cultural and tourism attractions, entertainment venues, airports, hotels, and automotive 4S stores, creating engaging and dynamic visual experiences across diverse commercial and public spaces.





Bring your ideas into reality

MileStrong Headquarters & Showroom

4/F, Building B15, Phase II, Xincheng Chuangzhi Industrial Park, No. 456 Heping Road, Furong District, Changsha, Hunan, China

Shenzhen MileStrong XR/Immersive Display Division

3/F, Building 5, Xinlianhe Industrial Park, Bao'an District, Shenzhen, Guangdong, China

Shenzhen MileStrong Conventional Display Division

Building 4, Yinjin Technology Industrial Park, Fengjing South Road, Hewan Community, Matian Subdistrict, Guangming District, Shenzhen, Guangdong, China

Shenzhen MileStrong Transparent Display Division

3/F, Tianyou Building, Yuekang Road, Bao'an District, Shenzhen, Guangdong, China

Shenzhen Milestrong Technology Co., Ltd.



Website



WhatsApp



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