MileStrong



Transparent LED Display

STB Series

Indoor Version

Pixel Pitch (mm): 3.47-3.47 / 3.91-3.91 / 2.6-5.2 / 2.84-5.68 / 3.91-7.81

Cabinet Size (mm): 1,000×500 / 1,000×750 / 1,000×1,000

Outdoor Version

Pixel Pitch (mm): 3.9-7.8 / 5.2-10.4 / 10.4-10.4 / 15.6-15.6

Cabinet Size (mm): 1,000×500 / 1,000×1,000

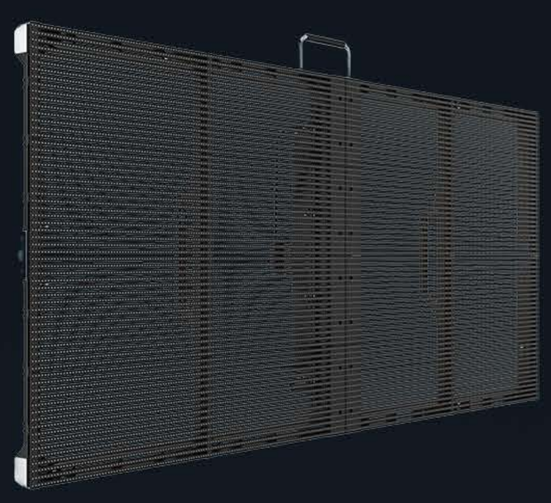
Flexible Options

The STB series offers a variety of pixel pitch and panel size options to meet different visual and installation requirements. Available in both indoor and outdoor versions, it provides greater flexibility for diverse display applications and layouts.

Indoor Version



Outdoor Version



Ultra-Thin and Lightweight Design

The STB Series features a slim and lightweight design for easy installation and efficient handling, making it ideal for space-sensitive environments. Its high-strength aluminum frame combines a sleek appearance with reliable structural performance.



Ultra-Narrow Power Box

Creates a cleaner and more organized display window.

Ultra-Narrow Aluminum Alloy Frame

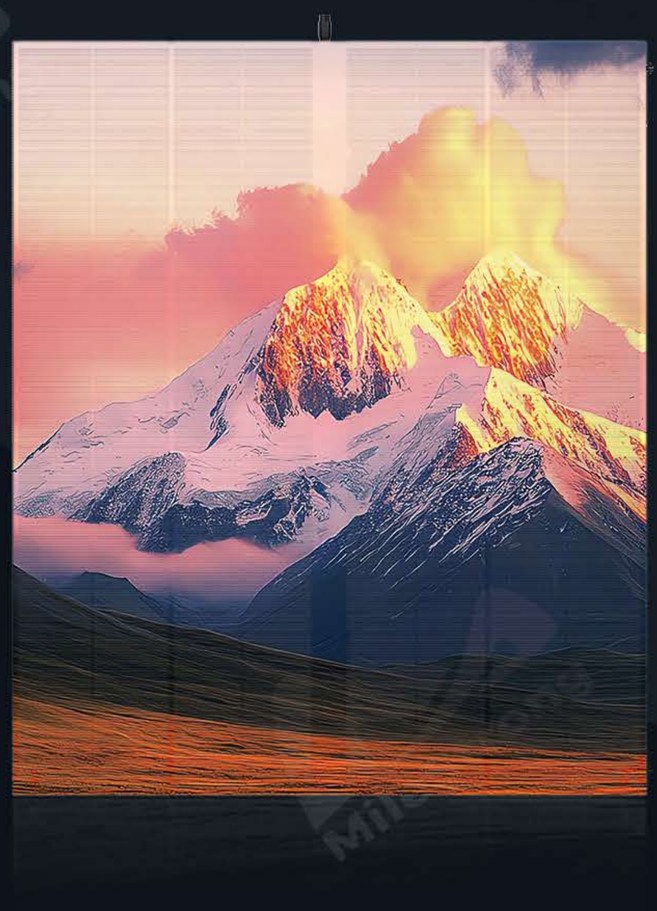
Sleek lines and enhanced structural reliability.

Firm Locking Structure

High-strength aluminum alloy screws that resist deformation after locking.

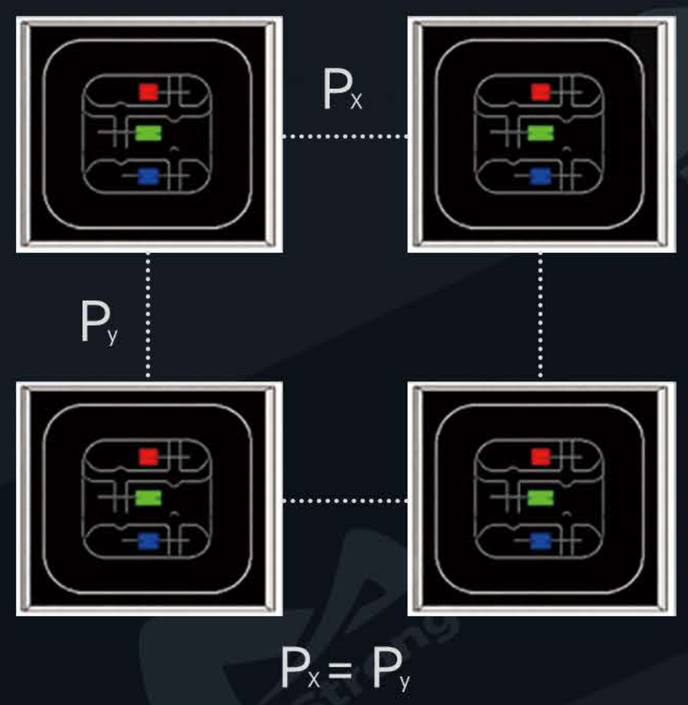
High Transparency & High Brightness

The STB Series combines high transparency with 4500 nits high brightness, delivering clear and vivid visuals while maintaining visibility of the background. It is ideal for retail windows, showrooms, commercial spaces, and other applications where both display performance and transparency are important.



Reliable Visual Performance with Symmetric LEDs

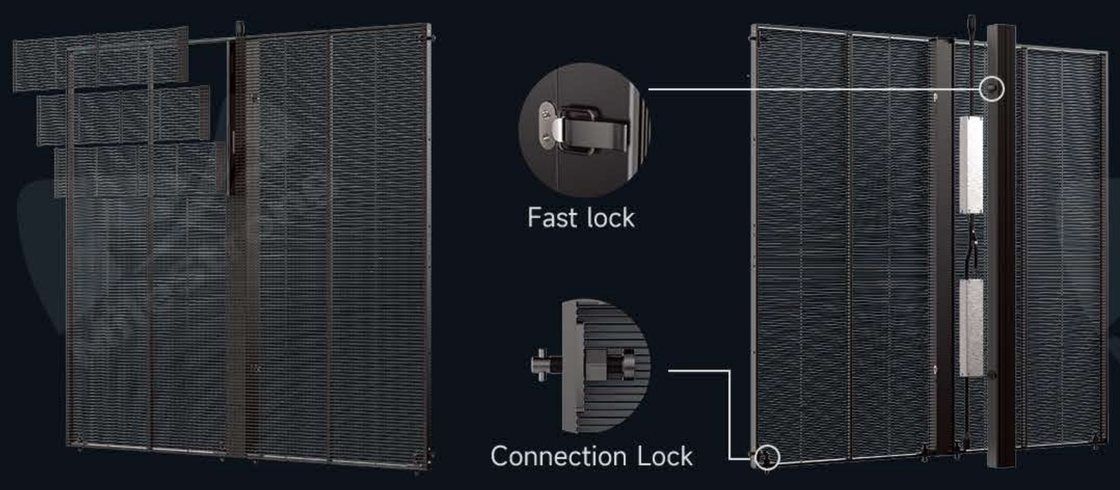
Symmetrically placed LED beads provide uniform image quality without visual distortion, ensuring a consistent and professional presentation across the entire screen.



$P_x = P_y$

Easy Maintenance & Quick Installation

The STB Series supports both front and rear maintenance, allowing easy access to key components such as modules, power supplies, and ICs. Its quick-release cabinet design enables faster installation and simplifies maintenance throughout the product's life cycle.



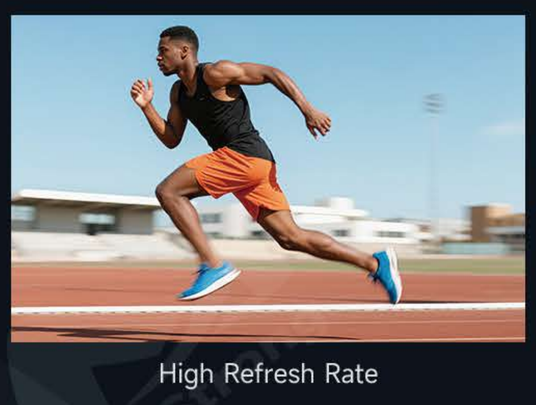
Seamless Curved Integration

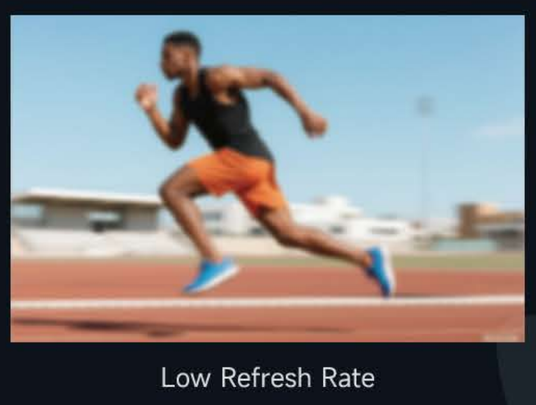
The STB Series supports flexible curved installation, enabling both concave and convex displays. It adapts smoothly to diverse spatial layouts while maintaining reliable structural performance. Its wide 140° viewing angle ensures clear, vibrant visuals from multiple directions without compromising color or brightness.

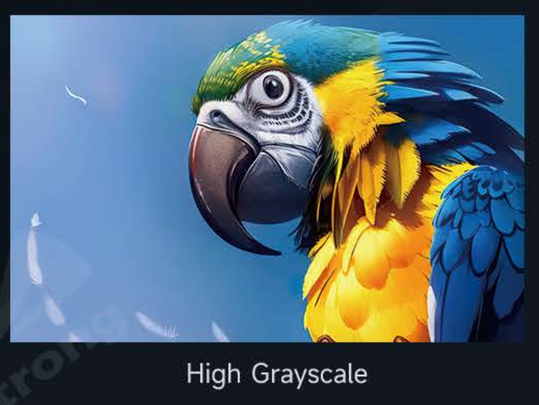


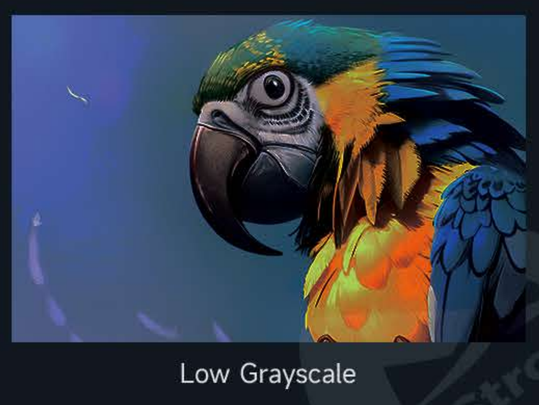
High Refresh Rate and Rich Color Depth

With a 3,840Hz refresh rate and 16-bit grayscale, the STB Series delivers smooth motion, accurate color transitions, and flicker-free visuals, suitable for commercial video content and branding.


High Refresh Rate


Low Refresh Rate


High Grayscale


Low Grayscale

IP65 Protection

The outdoor version features an IP65-rated design, providing reliable protection against dust and water. It is built to withstand outdoor environments and ensure stable performance in various weather conditions.

Multiple Signal Input Compatibility

Supporting AV, S-Video, VGA, DVI, YPbPr, HDMI, and SDI, the screen is compatible with most standard video interfaces, making integration into existing systems effortless.

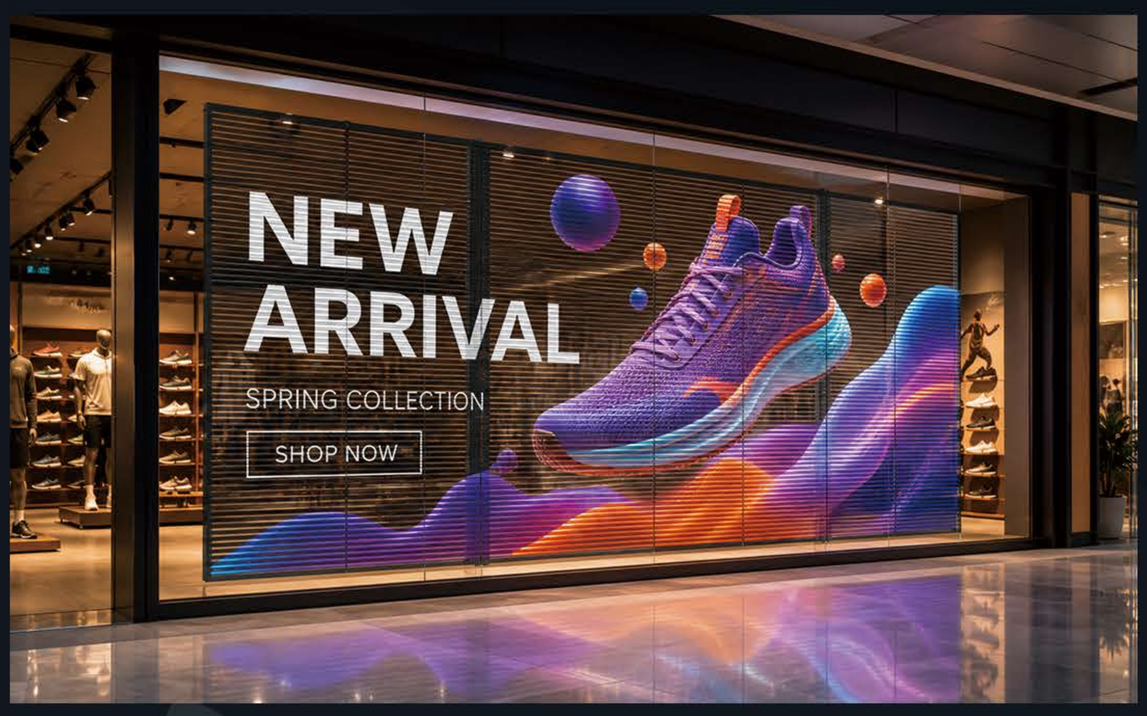


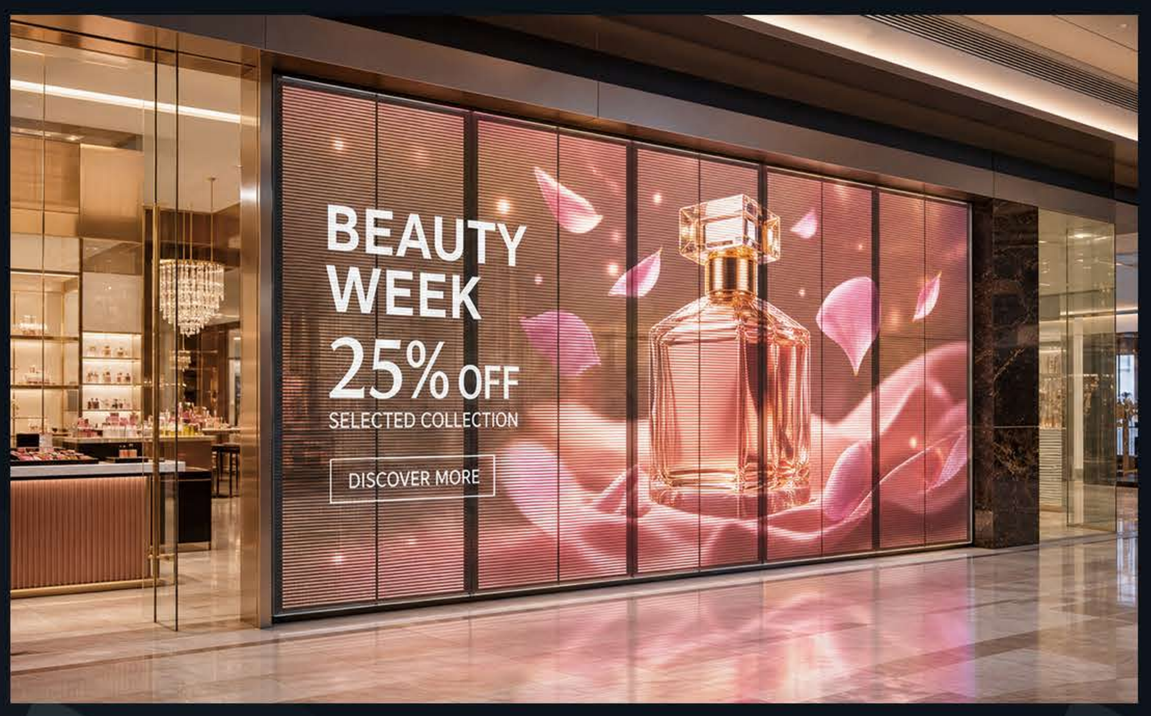




Application Scenarios

Designed for versatile deployment, the STH-P Series can be widely used in exhibitions, retail stores, brand displays, and commercial spaces, providing flexible holographic display solutions for various scenarios.









Parameters - Indoor Version

Items	STB3.47	STB3.91	STB5.2	STB5.68	STB7.81
Pixel Pitch	3.47-3.47mm	3.91-3.91mm	2.6-5.2mm	2.84-5.68mm	3.91-7.81mm
LED Lamp Bead Model	SMD1415	SMD1415	SMD1415	SMD1921	SMD1921
Pixel Composition	SMD 3-in-1 (1R1G1B)	SMD 3-in-1 (1R1G1B)	SMD 3-in-1 (1R1G1B)	SMD 3-in-1 (1R1G1B)	SMD 3-in-1 (1R1G1B)
Module Size (W×H)	500×62.5mm	500×62.5mm	500×125mm	500×125mm	500×125mm
Module Resolution (W×H)	144×18	128×16	192×24	176×22	128×16
Cabinet Size (W×H)	1,000×750mm 1,000×1,000mm	1,000×500mm 1,000×1,000mm	1,000×500mm 1,000×1,000mm	1,000×500mm 1,000×1000mm	1,000×500mm 1,000×1,000mm
Cabinet Resolution (W×H)	288×216 / 288×288	256×128 / 256×256	384×96 / 384×192	352×88 / 352×176	256×64 / 256×128
Module Arrangement (W×H)	2×12 / 2×16	2×8 / 2×16	2×4 / 2×8	2×4 / 2×8	2×4 / 2×8
Pixel Density (pixels/m^2)	82,944	65,536	73,728	61,952	32,768
Transparency Rate	45%	50%	55%	60%	75%
Cabinet Weight (kg/m^2)	11	10	8.5	8.5	8.1
Scan Mode	1/16	1/16	1/12	1/11	1/8
Refresh Rate	3,840Hz				
Cabinet Material	Aluminum				
Maintenance	Front & Rear				
IP Grade	IP43				
Viewing Angle (H/V)	140°/140°				
Brightness	4,500 nits				
Grayscale	14-16 bit				
Signal Input	AV, S-Video, VGA, DVI, YPbPr, HDMI, SDI				
Maximum Power (W/m^2)	800				
Average Power (W/m^2)	240				
Input Voltage	AC100V–AC240V @ 50Hz/60Hz				
Operating Environment	-20 °C ~ 60 °C, 10% ~ 90% RH				
Storage Environment	-20 °C ~ 70 °C, 5% ~ 95% RH				
Lifespan (h)	100,000				
Certifications	ISO, EMC, FCC, RoHS, ETL, KC, PSE				

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

Parameters - Outdoor Version

Items	OSTB3.9	OSTB5.2	OSTB10.4	OSTB15.6
Pixel Pitch	3.9-7.8mm	5.2-10.4mm	10.4-10.4mm	15.6-15.6mm
LED Lamp Bead Model	SMD1921	SMD1921	SMD2727	SMD2727
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size (W×H)	500×250mm	500×250mm	500×250mm	500×250mm
Module Resolution (W×H)	128×32	96×24	48×24	32×16
Cabinet Size (W×H)	1,000×1,000mm	1,000×500mm	1,000×500mm	1,000×500mm
Cabinet Resolution (W×H)	256×128	192×48	96×48	64×32
Module Arrangement (W×H)	2×4	2×2	2×2	2×2
Pixel Density (pixels/m^2)	32,768	18,432	9,216	4,096
Transparency Rate	55%	60%	70%	80%
Cabinet Weight (kg/m^2)	15	15	15	15
Cabinet Material	Aluminum	Aluminum die-casting	Aluminum die-casting	Aluminum die-casting
Scan Mode	1/8	1/4	1/2	Static
Refresh Rate	3,840Hz			
Maintenance	Front & Rear			
IP Grade	IP65			
Viewing Angle (H/V)	120°/140°			
Brightness	4,500 nits			
Grayscale	16 bit			
Maximum Power (W/m^2)	800			
Average Power (W/m^2)	260			
Input Voltage	AC100V–AC240V @ 50Hz/60Hz			
Operating Environment	-20 °C ~ 55 °C, 10% ~ 90% RH			
Lifespan (h)	100,000			
Certifications	ISO, EMC, FCC, RoHS, ETL, KC, PSE			

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

MileStrong

Bring your ideas into reality

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