



TIMEWAYING



HeyLED
by TIMEWAYING

Acoustically Transparent LED Cinema Screen

Fully Acoustically Transparent | Micro-Perforated Design

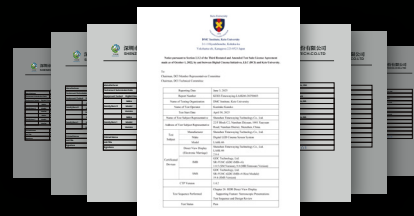
Product Introduction

The HeyLED Acoustically Transparent Cinema Screen offers industry-leading sound transparency of up to 23% with ultra-thin perforated panels, ensuring precise audiovisual sync and efficient thermal management. Featuring large square acoustic perforations, it delivers lifelike sound and exceptional visual performance. Supporting customizable curved frames for flexible theater layouts, this DCI-certified screen delivers bright, sharp and immersive cinematic experiences.

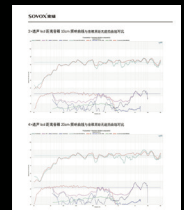


Certifications & Patents

HeyLED Acoustically Transparent Cinema Screen, rigorously tested, DCI certified, and validated by the SOVOX Acoustic LED Test Report, delivers uncompromising quality and stability, representing a milestone in cinema technology.



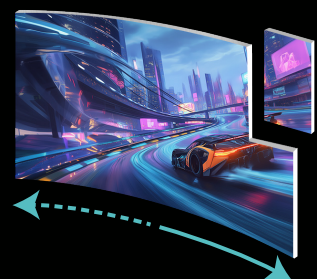
DCI Certifications



SOVOX LED Screen
Acoustic Test Report

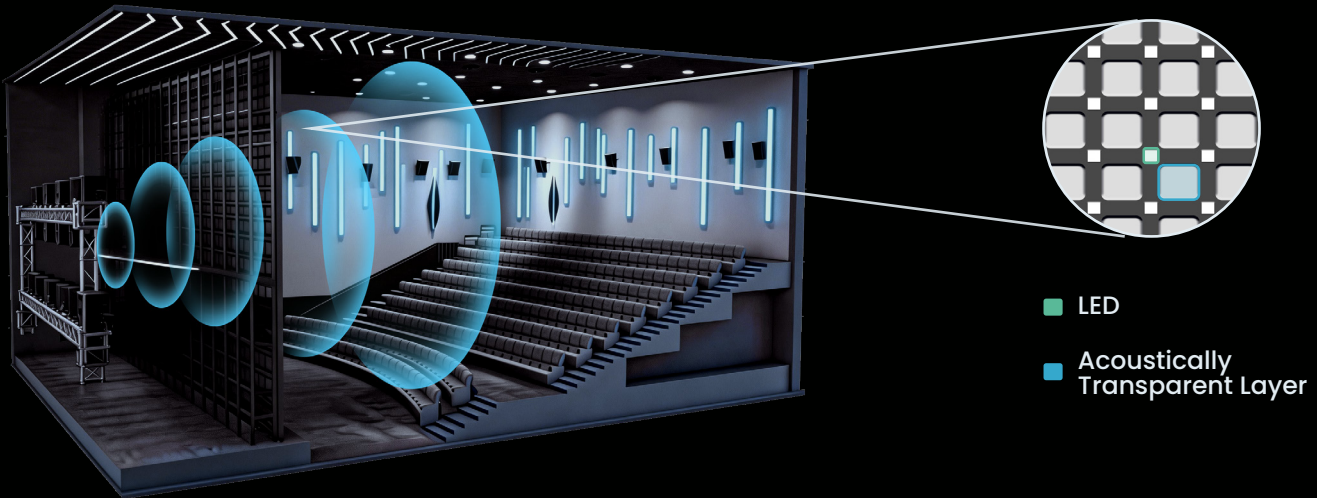
Customizable Curved Framing

The modular cabinet design, engineered for flexible curvature and seamless integration, adapts to any cinema layout, delivering wraparound visuals and spatial sound to create the ultimate immersive movie experience.



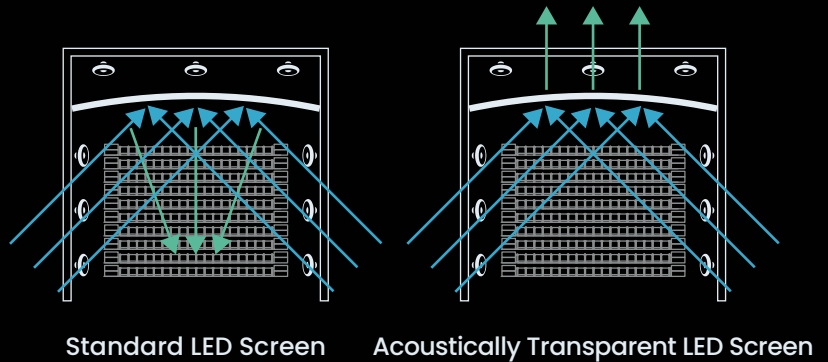
Highly Acoustically Transparent Structure

HeyLED's large square acoustic aperture design, engineered for superior sound permeability, offers up to 23% acoustic transparency, delivering pristine audio clarity and an immersive cinematic soundscape.



Acoustic Anti-Reflection

The acoustically transparent structure significantly reduces the acoustic reflection interference caused by traditional flat and curved LED cinema screens in the theater's multi-channel audio environment, delivering cleaner, more detailed audio.



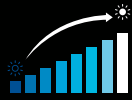
System Compatibility

The screen is fully compatible with mainstream cinema audio systems and media servers, ensuring seamless integration and stable operation for all standard cinema setups.





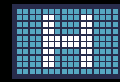
Product Features



Ultra Wide Brightness Range



Ultra High Contrast Ratio



Fine Pitch 3.91/4.81 mm



16-bit Grayscale Precision



High Dynamic Range



Accurate DCI-P3 Color Gamut



External Input-HDMI 2.1 & SDI



High Frame Rate 24-120Hz



2D&3D Modes



23% Acoustic Transparency



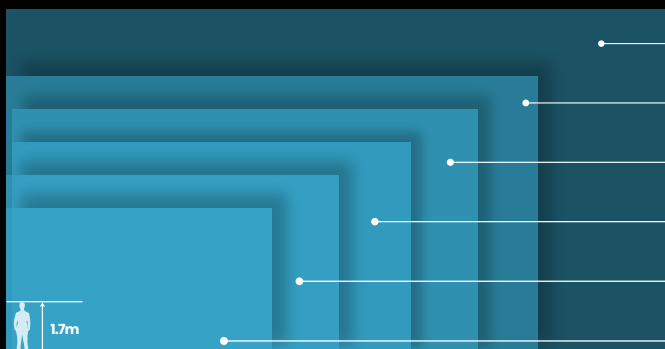
Free Curvature Adjustment



System Compatibility

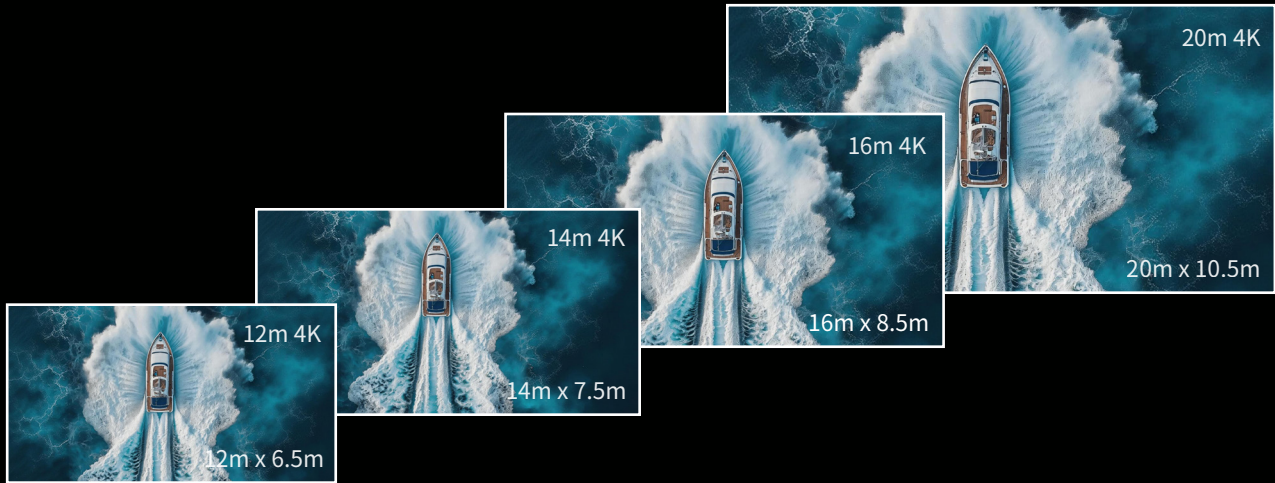
LED Cinema Portfolio

Available screen widths: 8m/10m/12m/14m/16m/20m



LB4K-20	20m x 10.5m(65'7" × 34'5")
LB4K-16	16m x 8.50m(52'6" × 27'11")
LB4K-14	14m x 7.50m(45'11" × 24'7")
LB4K-12	12m x 6.50m(39'4" × 21'4")
LB2K-10	10m x 5.50m(32'10" × 18'1")
LB2K-08	8m x 4.50m (26'3" × 14'9")

Acoustically Transparent Series



Item	LB4K-12	LB4K-14	LB4K-16	LB4K-20
Screen Size (W x H)	12 m x 6.5 m (39'4" x 21'4")	14 m x 7.5 m (45'11" x 24'7")	16 m x 8.5 m (52'6" x 27'11")	20 m x 10.5 m (65'7" x 34'5")
Screen Diagonal Size	13.65 m (44'9")	15.88 m (52'1")	18.12 m (59'5")	22.59 m (74'1")
Sound Transparency Ratio	8%	11%	17%	23 %
Pixel Pitch	2.91 mm	3.38 mm	3.91 mm	4.81 mm
Resolution (W x H)	4,096 x 2,160			
Screen Weight	1,650 kg	2,100 kg	2,720 kg	4,200 kg
Cabinet Size (W x H)	Full-size: 0.5m x 1m (1'8" x 3'3") Half-size: 0.5m x 0.5m (1'8" x 1'8")			
Input Power	100~240 VAC, 50/60 Hz			
Brightness (Adjustable)	48nit / 150nit / 300nit			
MABL (Minimum Active Black Level)	0.005 nit			
Maximum Power Consumption	4,992W	6,720 W	8,160 W	13,860 W
Average Power Consumption at 48 nits	2,106 W	2,835 W	3,536 W	7,980 W
Contrast Ratio	60,000:1			
Horizontal Viewing Angle	160°			
Vertical Viewing Angle	160°			
Grayscale	R,G,B 16Bit			
Color Gamut	100% DCI-P3			
2K 2D Support Frame Rate	24,25,30,48,50,60,96,120 fps			
2K 3D Support Frame Rate	24,25,30,48,50,60 fps			
4K 2D Support Frame Rate	24,25,30,48,50,60 fps			
4K 3D Support Frame Rate	24,25,30 fps			
Video Format & Grayscale	DCP(12bit XYZ), Digital Coding JPEG2000, SDR & HDR			
Refresh Rate	1,500 to 9,300Hz			
External Source Input	Server HDMI2.0 / LED controller HDMI2.1			
Operation Temp./Hum.	-10~40 °C (14~104 °F) / 10%~90%RH w/o dew			
Storage Temp./Hum.	-20~60 °C (-4~140 °F) / 10%~95%RH w/o dew			
Protection Level	IP 20			
LED Lifetime	100,000 hours (L50)			
Certification	DCI(CTP 1.5.0), CCC, CE/UL, EMC Class A, Safety 60950-1			
Maintenance	Rear Access			
Warranty	Standard 3-year warranty, extendable up to 10 years			



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