

MagicMesh

Transparent Flexible LED Screen for Stage



Ultra-Light and Ultra-Thin
for Easy Handling



Rollable Design for
Efficient Transportation



Free Shaping
and Cutting



High Transparency and
Wind Permeability



Class VI flame retardant
high safety design



Quick Installation
Minimal Labor

Description:

MagicMesh is a lightweight, fabric-like flexible LED display designed to meet the creative demands of stage backdrops, vision curtains, ambiance creation, and custom-shaped stage installations. With its ultra-lightweight, ultra-thin, highly transparent, and wind-permeable design, it supports free cutting and shaping to bring your creative ideas to life. Its rollable structure makes transportation and storage highly efficient, while significantly reducing labor costs. Whether for flat surfaces, curved shapes, or complex structures, MagicMesh adapts effortlessly, offering unlimited possibilities for stages and events.

LED Magic Blanket Specification			
Pixel Pitch	P6.25-8.3	P15	P20
Pixel Density	19,200 dots/m ²	4,356 dots/m ²	2,500 dots/m ²
Brightness	2,000 cd/m ²	1200/2000nits	P20, 800/1800nits
Power consumption	430 W/m ² , 150 W/m ²	100 W/m ² , 30 W/m ²	60 W/m ² , 24 W/m ²
Fabric Material	Polyester		
Color	Full color		
Grayscale adjustment level	65536 levels (16bit)		
Output voltage	DC5V (DC12V optional)		
Supported video formats	MP4 / MKV / AVI/ MOV/ 3GP		
Supported image formats	Jpeg / gif / bmp / PNG		
IP Level	IP54		
Life Span	50000hours		
Control system	Redfive/Novastar		
Working Humidity	Relative humidity ≤ 60% for P6.25-8.3; relative humidity ≤ 85% for P15/P20/P30		
Operating temperature	-20°C ~ 50°C		
Storage temperature	-40°C ~ 60°C		
Storage Humidity	Relative humidity ≤ 60% for P6.25-8.3; relative humidity ≤ 85% for P15/P20/P30		
Usage environment	Indoor (Outdoor in the night)		
Certificate	CE/Rohs/FCC		

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Fire Retardancy of Magic Mesh

V1 flame-retardant Magic Mesh ensures safe, low-smoke stage performance.

Ultra-Light and Ultra-Thin

Less than $1.3\text{kg}/\text{m}^2$ and under 4mm thick, it's ultra-light and slim—ideal for creative installations.



Weight: **$1.3\text{KG}/\text{m}^2$**



Thickness: **4mm**

High Transparency and Wind Permeability

P15/P20: $\geq 50\%$ transparency & airflow for safe use, while P6.25 offers 25% transparency and higher resolution for immersive hologram-like visuals.

Regular LED panels are fully opaque



Transparency rate:
P15/P20 $\geq 50\%$
P6.25 $\approx 25\%$



Rollable Design for Efficient Transportation

Flexible structure allows rolling into compact form—up to 90m^2 fits in 1m^3 , only 1/20 of the space and weight of traditional rental screens, cutting transport and storage costs significantly.



90m2 in 1 CBM

Free Shaping and Cutting

Supports free cutting for custom shapes like animals or human figures, and adapts to flat, curved, or irregular surfaces for versatile design applications.



Fine Visuals

Magic Blanket can achieve 16 bits, with more delicate images, higher brightness, and the ability to capture more color details.



8bits



16bits

Creative Application Scenarios



Stage Backdrops

Flexible LED screens for dynamic indoor/outdoor stage effects.



Vision Curtains

Create immersive atmospheres with unique light and shadow effects.



Custom Installations

Supports creative shapes like animals, figures, and abstracts.



Holographic Displays

High transparency for striking hologram-like visuals.