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Global Leading Manufacturer of Fresnel Projection Screen

POWERED BY **FSCREEN**

Chengdu Fscreen Sci-Tech Co.,Ltd

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About Fscreen

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1 About Fresnel Screen

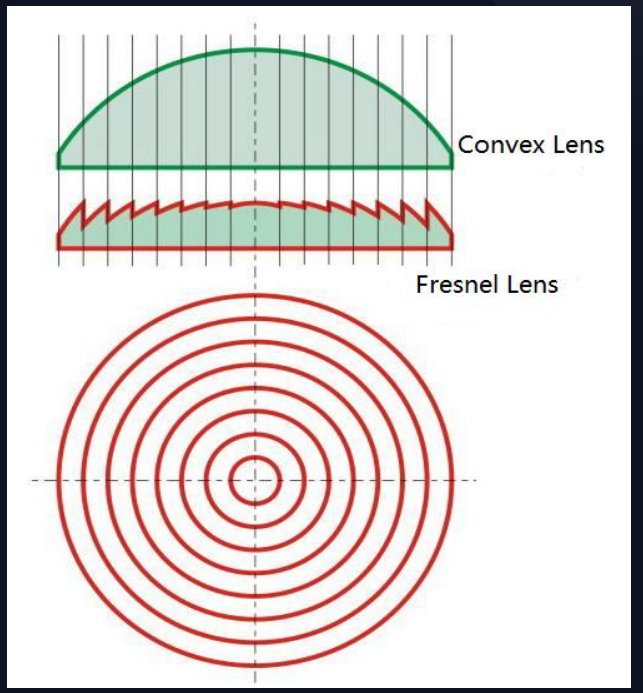
About Fresnel Lens

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- In the 19th century, a Frenchman named Fresnel invented an optical lens;

- The front of this lens looks like a dart board, but each ring is tilted at a different angle, Each ring is an independent lens, which together is a lens group,

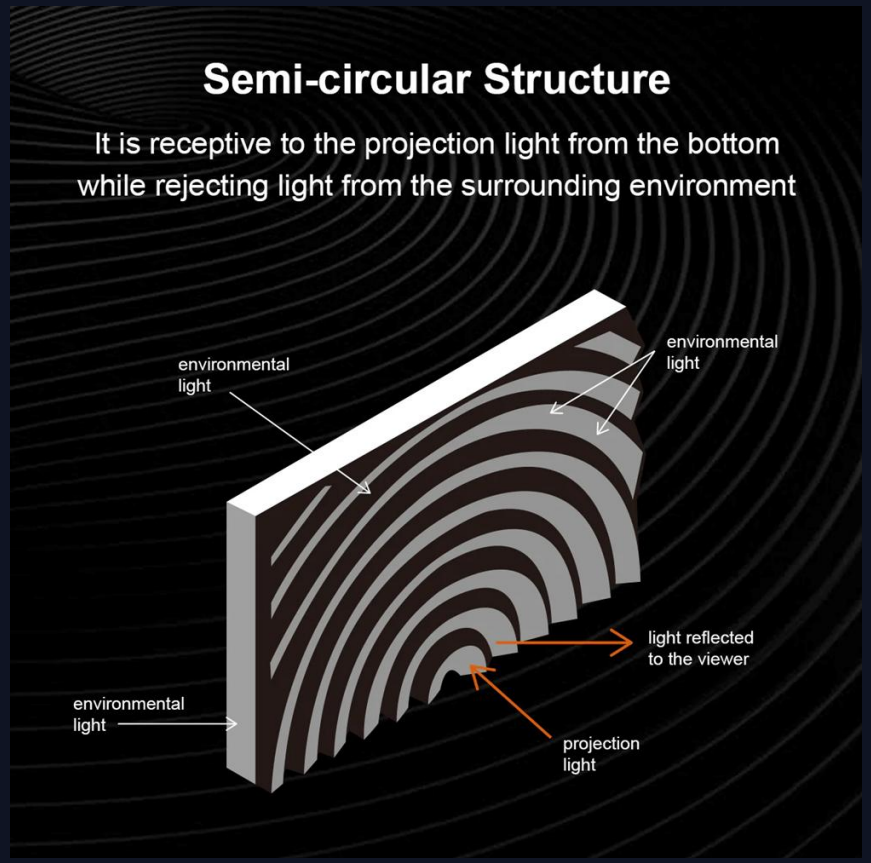
  through different structural design, the direction of light can be adjusted to produce different optical effects.



Fresnel Lens is an optical structure, which applied in projection, solar energy, virtual display;
The difficulty is in the processing, need ultra-precision processing equipment to achieve the ideal optical effect!

How it works

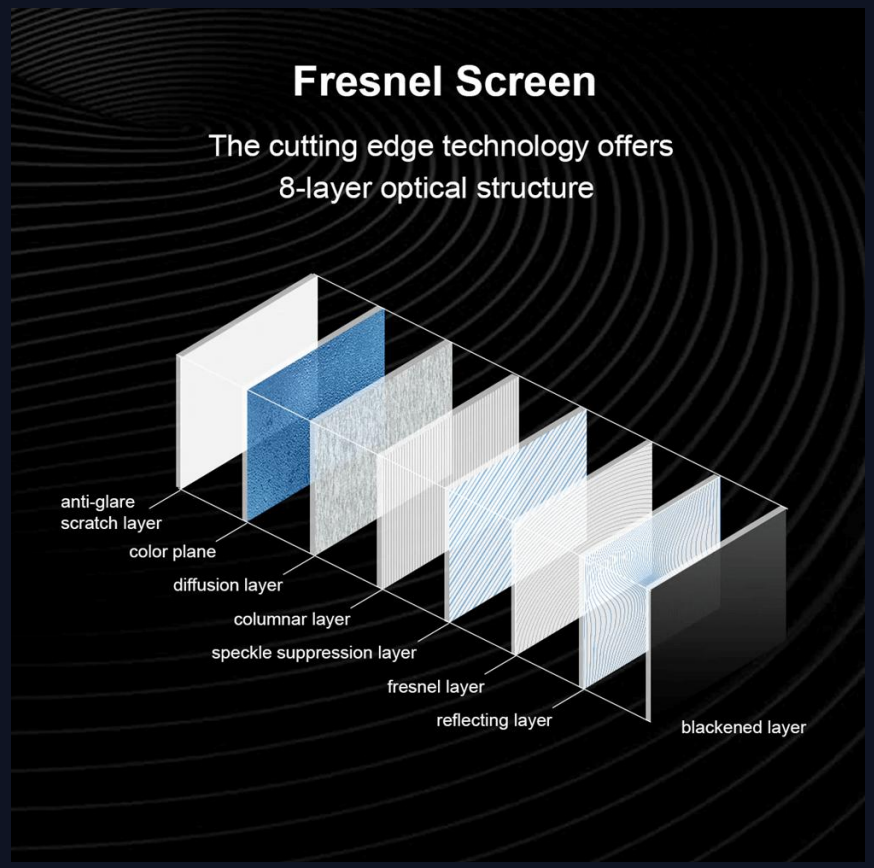
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Using Fresnel Lens technology principle,Fscreen Optical Screen will form an arc protective cover to resist the interference of ambient light from above (lamplight) and from left& right (window light) on the projected image.

8 Layers Fresnel Optical Structure

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Adopted Fresnel Lens technology principle,Fscreen Optical Screen will form an arc protective cover to resist the interference of ambient light from above (lamplight) and from left& right (window light) on the projected image.

Using Fscreen Optical Screen no matter turn on the light at night and watch during the day can achieve the ideal display effect!

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Product List

Aura Series & Iris Series

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Aura Fresnel ALR Projection Screen

For Ultra Short Throw Projector



Advanced Fresnel Optical ALR Technology
≥85% Ambient Light Rejection
8K/HDR/3D/Tri-Chroma Surported
Size Up to 120 Inch

Iris Fresnel ALR Projection Screen

For Standard/Long Throw Projector



Advanced Fresnel Optical ALR Technology
≥85% Ambient Light Rejection
8K/HDR/3D/Tri-Chroma Surported
Size Up to 120 Inch

Aura Series Fresnel ALR UST Screen

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Aura Series Fresnel ALR UST Screen

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Aura- FF (Fixed Frame)



Aura Series Fresnel ALR Fixed Frame Screen

> Screen size up to 120 inches (16:9)

> With 1.25-1.6 dB peak gain and 100:1 bright room contrast ratio (compared to white wall)

> ≥85% ambient light rejection (from ceiling and side)

> Support 4K/8K UHD ultra-HD projection.
Adapt to UST(ultra-short-throw) projectors of various light source(Triple Laser & Dual & 3LCD)

> Anodized metal frame - beautiful and easy to maintain, stable and durable.

Aura Series Fresnel ALR Fixed Frame Screen

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Customer Feedback



Projector: Hisense L5K

Screen Model : Aura - 100FF



Projector: Formovie Theater

Screen Model : Aura - 120FF

Aura Series Fresnel ALR Fixed Frame Screen

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Aura-FF Series Product Specification

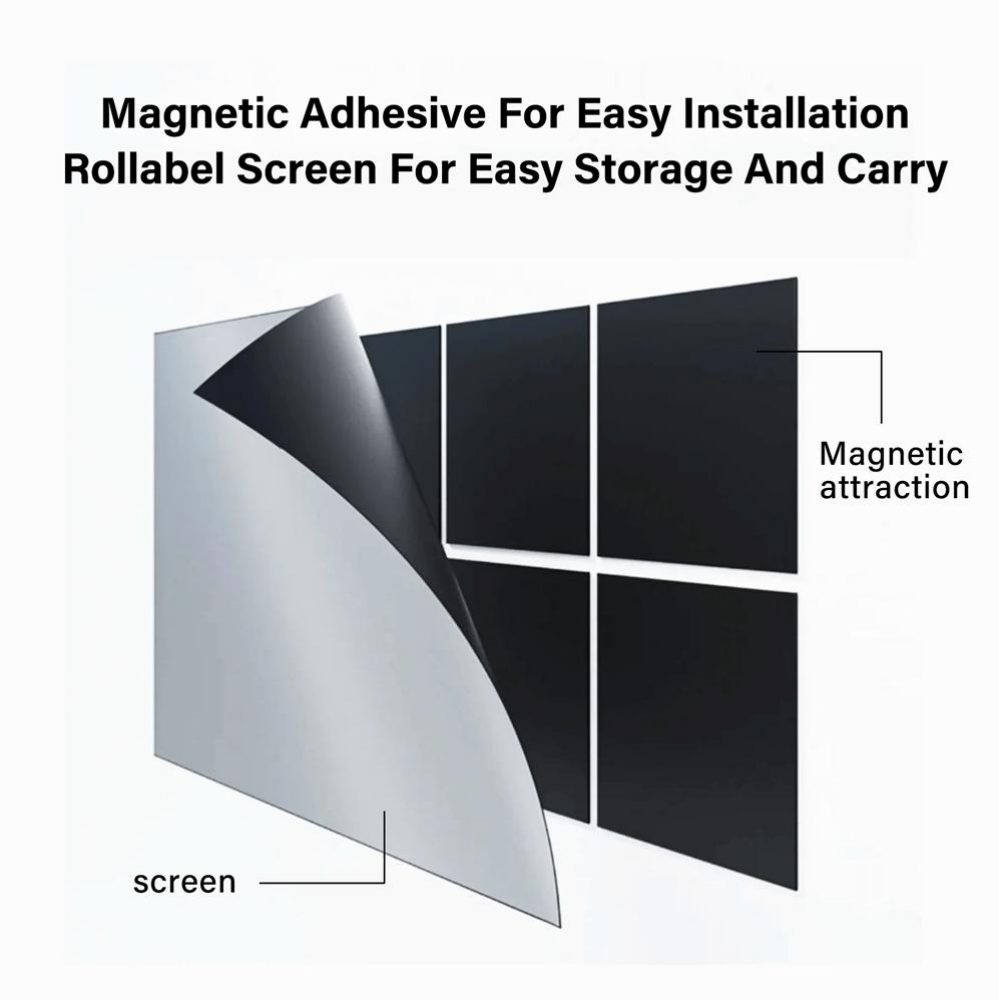
Product Type	Fixed Frame Screen
Material	Fresnel PET&Aluminnum alloy
Product Dimensions	2236x1267x37mm (100 inch) 2681x1518x37mm (120 inch)
Outer Package Dimensions	1498x329x321mm (100 inch) 1718x329x321mm (120 inch)
Projection Area	2214x1245mm (100 inch) 2657x1494mm (120 inch)
Net Weight/Gross Weight	15/24 KG (100 inch) 18/35 KG (120 inch)
Color	Dark Grey

Peak Gain Value	100 inch : 1.25 120 inch : 1.6
Horrizon Viewing Angle	160°
Half Gain Angle	22.5°
Ambient Occlusion Value	≥85%(ceiling and side)
Display Compatibility	8K,3D,Tri-Chroma,HDR
Compatible Projector Throw	Ultra Short Throw
Contrast	100:1(Bright Room)
Projection Type	Front Projection

Aura Series Fresnel ALR Magnetic Rollable Screen

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Aura- MR (Magnetic Rollable Screen)



Aura Series Fresnel ALR Magnetic Rollable Screen

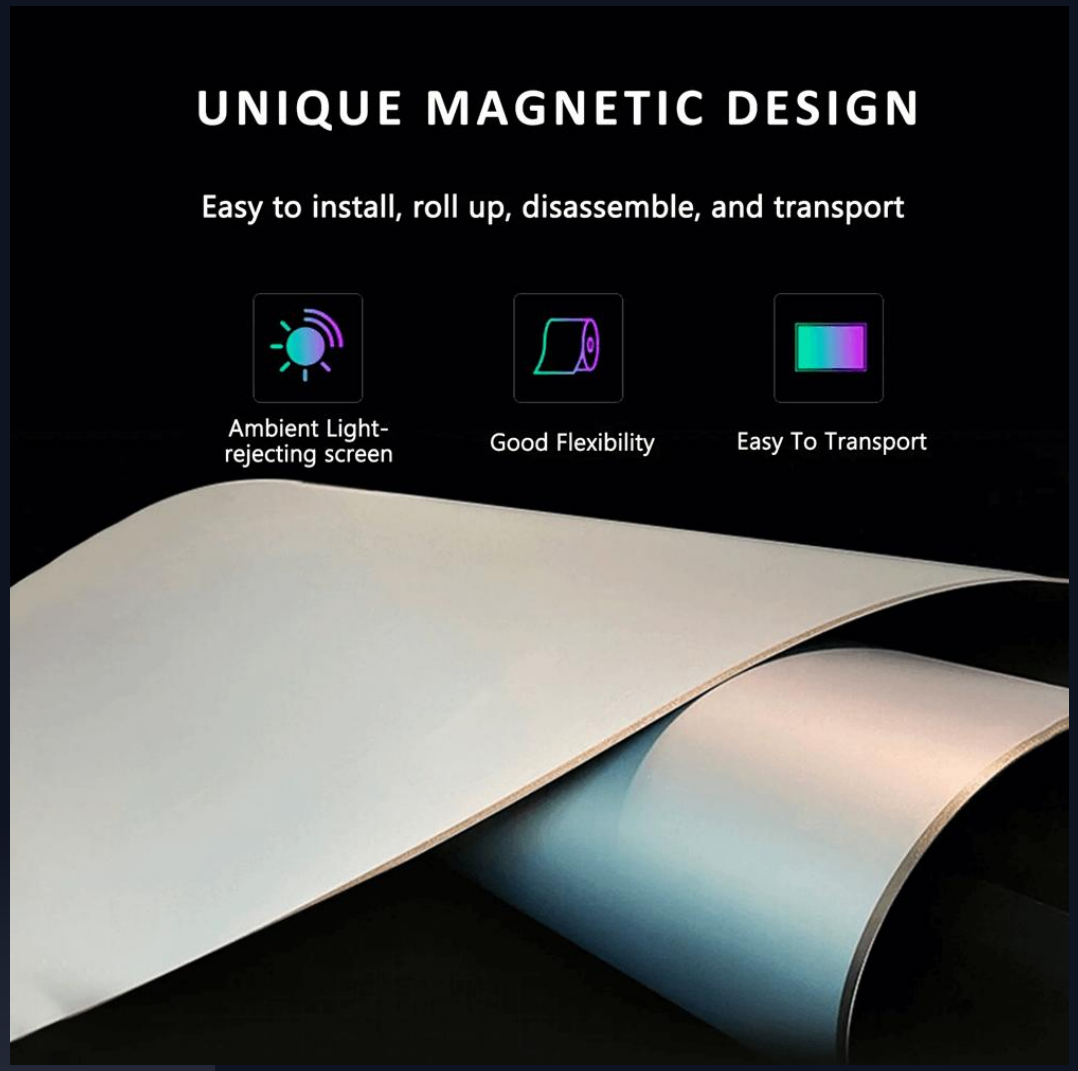
Note: The installation of this type of screen has high requirements on the flatness of the wall and is suitable for smooth marble and glass walls. If it is installed on a painted white wall, the paint surface will be damaged when the magnetic adhesive is removed later.

You can DIY customize an acrylic back panel or wooden board as an alternative, so that the entire screen can be easily carried without worrying about damaging the wall after removal.

> Magnetic Rollable Screen Adhension Installation
> Compact, space-saving installation design
> Unmatched front projection image contrast
> 85% Ambient Light Rejection Rate
> Screen sizes up to 120" (16:9 format)

Aura Series Fresnel ALR Magnetic Rollable Screen.

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Aura Series Fresnel ALR Magnetic Rollable Screen

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Customer Feedback



Projector: Wemax One

Screen Model : Aura - 80MR



Projector: Hisense PX3 Pro

Screen Model : Aura - 94MR

Aura Series Fresnel ALR Magnetic Rollable Screen

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Aura-MR Series Product Specification

Product Form	Magnetic Rollable Screen
Material	Fresnel PET
Product Dimensions	1786x1011x1.2 mm (80 inch) 1958x1106x1.2 mm (88 inch) 2224x1255x1.2 mm (100 inch) 2667x1504x1.2 mm (120 inch)
Outer Package Dimensions	1470x310x290 mm (80-100 inch) 1700x310x290 mm (120 inch)
Projection Area	1776x1001 mm (80 inch) 1948x1096 mm (88 inch) 2214x1245 mm (100 inch) 2657x1494 mm (120 inch)
Net Weight/Gross Weight	4.5/15 KG (80 inch) 5.5/16 KG (88 inch) 7/17.5 KG (100 inch) 8/ 26 KG (120 inch)

Peak Gain Value	100 inch : 1.25 120 inch : 1.6
Horrizon Viewing Angle	160°
Half Gain Angle	22.5°
Ambient Occlusion Value	≥85%
Display Compatibility	8K,HDR,3D,Tri-Chroma
Compatible Projector Throw Ratio	Ultra Short Throw
Contrast	100:1(Bright Room)
Projection Type	Front Projection* Ceiling Mounted Projector Supported

Iris Series Fresnel ALR Long Throw Screen

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Iris Series Fresnel ALR Magnetic Rollable Screen

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Iris- MR (Magnetic Rollable Screen)



Bright Image

Equiped with Fresnel lens Technology, focuses the light from the projector and sends it straight forward towards the viewers.

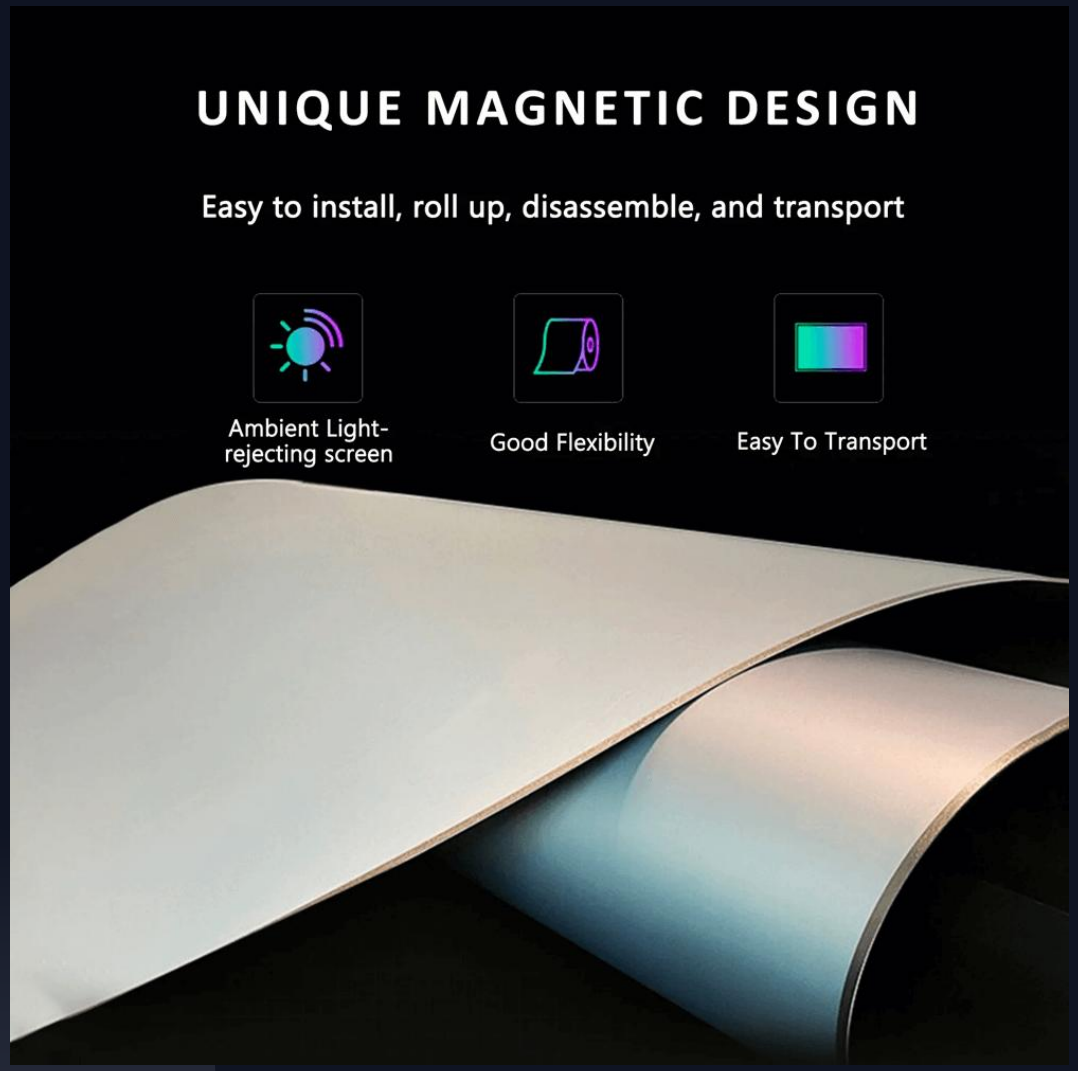
As a result, it is able to offer 1.6 screen gain which means the perceived projection image brightness is 1.6 times higher than what's perceived from the projection image on the white screen.

Note: The installation of this type of screen has high requirements on the flatness of the wall and is suitable for smooth marble and glass walls. If it is installed on a painted white wall, the paint surface will be damaged when the magnetic adhesive is removed later.

You can DIY customize an acrylic back panel or wooden board as an alternative, so that the entire screen can be easily carried without worrying about damaging the wall after removal.

Iris Series Fresnel ALR Magnetic Rollable Screen.

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Iris Series Fresnel ALR Magnetic Rollable Screen

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Customer Feedback



Projector: XGIMI Horizon

Screen Model : Iris - 80MR



Projector: JMGO N1 Ultra

Screen Model : Iris - 80MR

Iris Series Fresnel ALR Magnetic Rollable Screen

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Iris-MR Series Product Specification

Product Form	Magnetic Rollable Screen
Material	Fresnel PET
Product Dimensions	1786x1011x1.2 mm (80 inch) 1958x1106x1.2 mm (88 inch) 2224x1255x1.2 mm (100 inch) 2667x1504x1.2 mm (120 inch)
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Net Weight/Gross Weight	4.5/15 KG (80 inch) 5.5/16 KG (88 inch) 7/17.5 KG (100 inch) 8/ 26 KG (120 inch)

Peak Gain Value	1.6
Viewing Angle	120°±5°
Half Gain Angle	18°
Ambient Occlusion Value	≥85%
Display Compatibility	8K,HDR,3D
Compatible Projector Throw Ratio	Standard/Long Throw
Contrast	100:1(Bright Room)
Projection Type	Front Projection* Ceiling Mounted Projector Supported

Iris Series Fresnel ALR Fixed Frame Screen

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Iris-FF(Fixed Frame Screen)



> Unique optical screen technology

> Best-in-class performance for use with long throw projectors

> Compact, space-saving installation design

> Unmatched front projection image contrast

> Realize the value of super large flat screen display

> Can be used in interactive touch screen applications

> Screen sizes up to 120" (16:9 format)

> Compatible with various long throw projectors

Iris Series Fresnel ALR Fixed Frame Screen

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Customer Feedback



Projector: Hisense Vidda C2 Ulra

Screen Model : Iris Pro -120 FF (Tri-Chroma Version)



Projector: Epson -TW 7000

Screen Model : Iris -120 FF

Iris Series Fresnel ALR Fixed Frame Screen.

Iris-FF Series Product Specification

Product Form	Fixed Frame Screen
Material	Fresnel PET&Aluminnum alloy
Product Dimensions	2236x1267x24 mm (100 inch) 2681x1518x37 mm (120 inch)
Outer Package Dimensions	1498x329x321mm (100 inch) 1718x329x321mm (120 inch)
Projection Area	2214x1245 mm (100 inch) 2657x1494 mm (120 inch)
Net Weight/Gross Weight	15/24 KG (100 inch) 18/35 KG (120 inch)
Color	Dark Grey

Peak Gain Value	1.6
Viewing Angle	120°±5°
Half Gain Angle	22.5°
Ambient Occlusion Value	≥85%
Display Compatibility	8K,3D,Tri-Chroma,HDR
Compatible Projector Throw	Standard/Long Throw
Contrast	100:1(Bright Room)
Projection Type	Front Projection

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About Fscreen

Fscreen Technology Company Profile

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Fscreen photoelectric industry science and technology park

- Established in 1999, with more than 20 years optical technology accumulation
- Located in Chengdu,Sichuan Province, with convienent transportation for express and airport
- With more than 20,000 square meters of photoelectric industry science and technology park



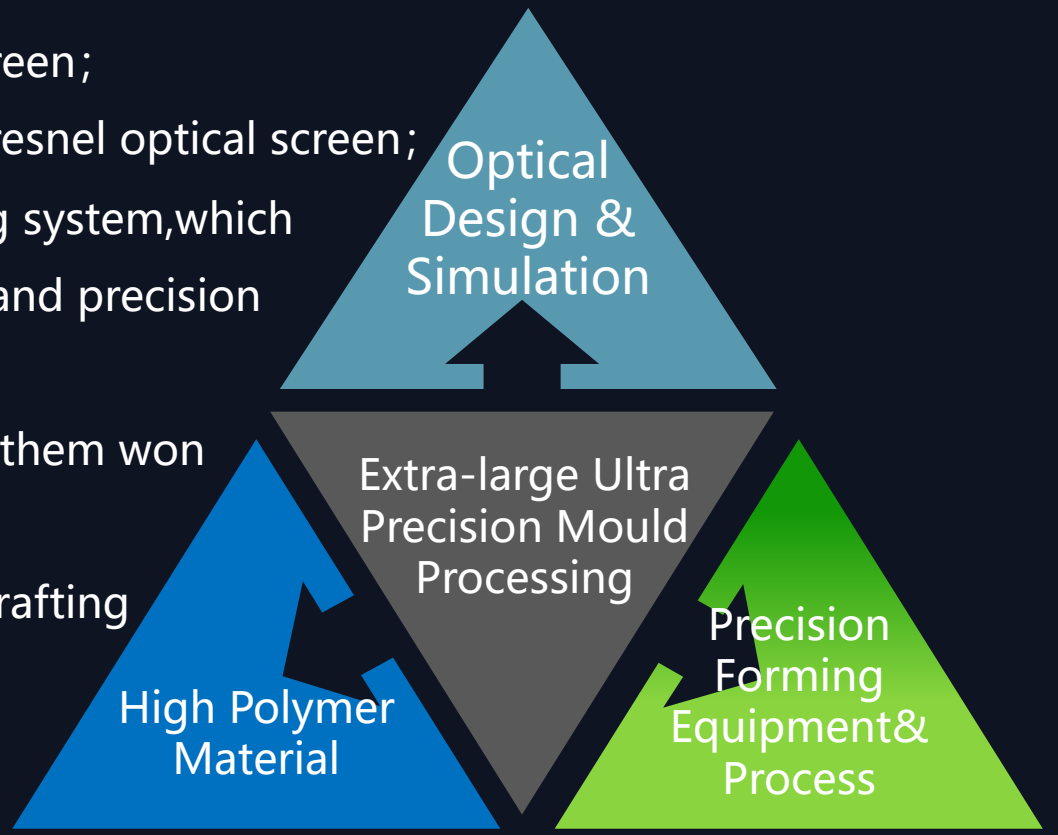
Fsreen Headquarters Manufacturing Park



Fscreen-The Leading Brand of Fresnel Screen

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- Began to engage in optical screen R&D from 1999, Fscreen is the first domestic manufacturers committed to optical screen core technology;
- 22 years of optical screen experience accumulation and technology precipitation,Fscreen has established own independent and complete technical system;
- China projection screen first brand FSCREEN， Fscreen, First Screen;
- Established OMNIS image system, with international leading Fresnel optical screen;
- Established an independent & complete screen manufacturing system,which involving optical design, polymer materials, mold processing and precision molding four fields;
- A number of invention patents and new utility patents;One of them won the National Silver Award for invention Patent in 2019
- 20 items projection screen domestic and industry standards drafting units and participating in the preparation of units;
- National specialization special new small giant enterprises



Company Product Roadmap

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1999
Company Established

2000
Making the first 120 inch" optical rear projection screen in China

2008
Focus on the UST projection display

2012
Began developing UST laser TV optical screens

2015
Breakthrough key technology and develop out Aura series Fresnel optical UST Laser TV screen

2017
Intelligent micro-projection Fresnel screen

2019
Flexible intelligent micro-projection optical screen, Sight S mural optical screen

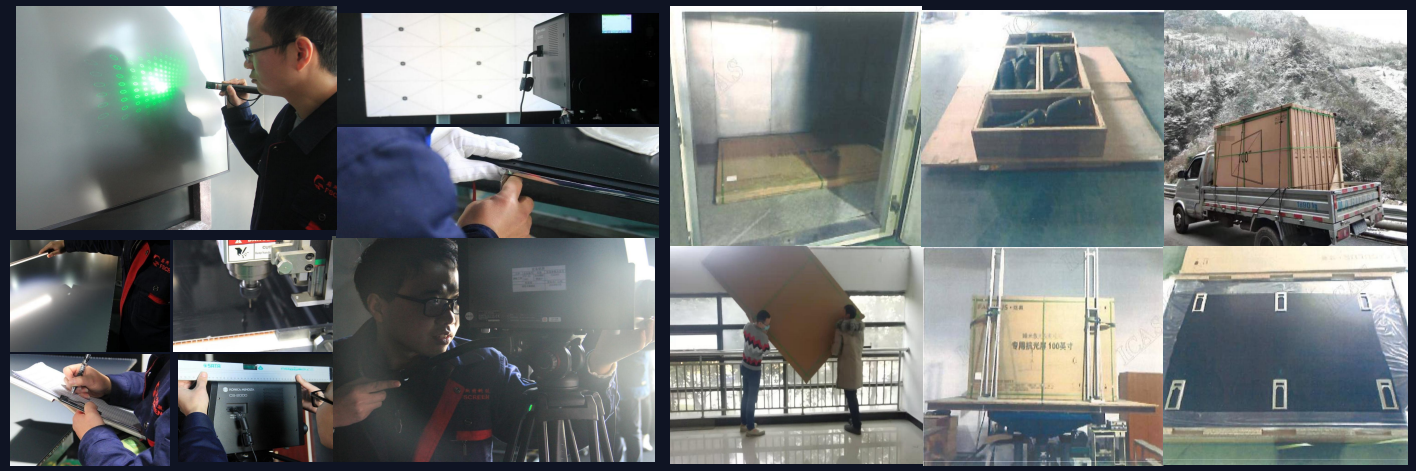
2020
Optical screen of UST Laser TV realizes tricolor 8K imaging

2022，we are still trying to innovate

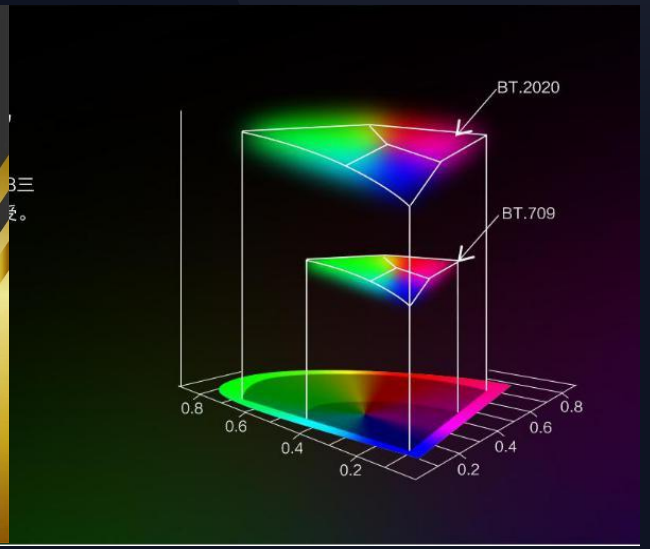
Has been imitated,
Never been surpassed.....

The Design Concept of Fscreen

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Quality Assurance

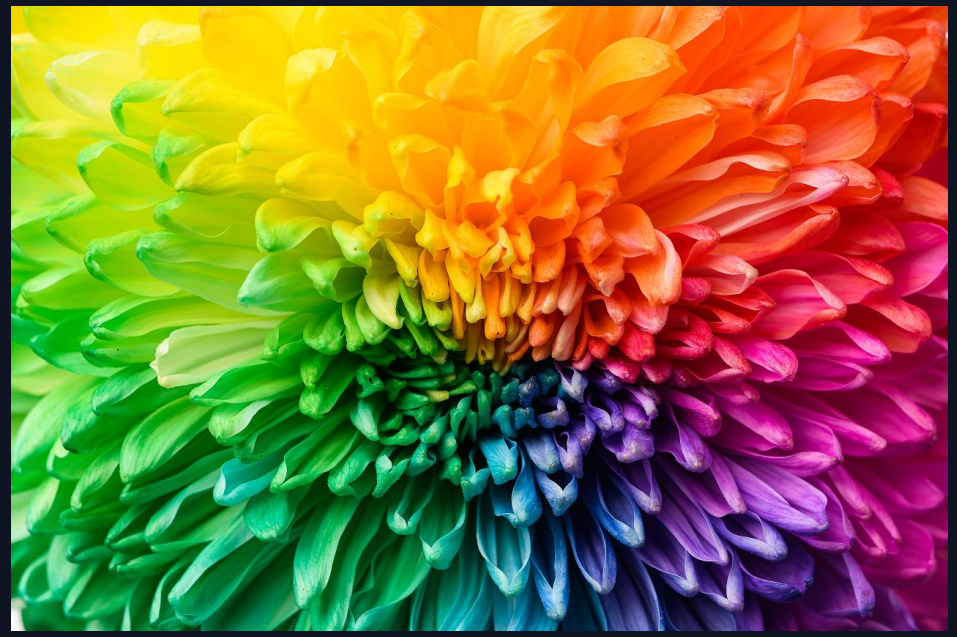
Detail Oriented,
Make Perfection More Perfect

Health and Environmental Protection

Eye protection, large size, wide color gamut,
Passive screen; low power consumption

The Design Concept of Fscreen

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Extreme Image Quality

Optical Microstructure Non-spherical Imaging System



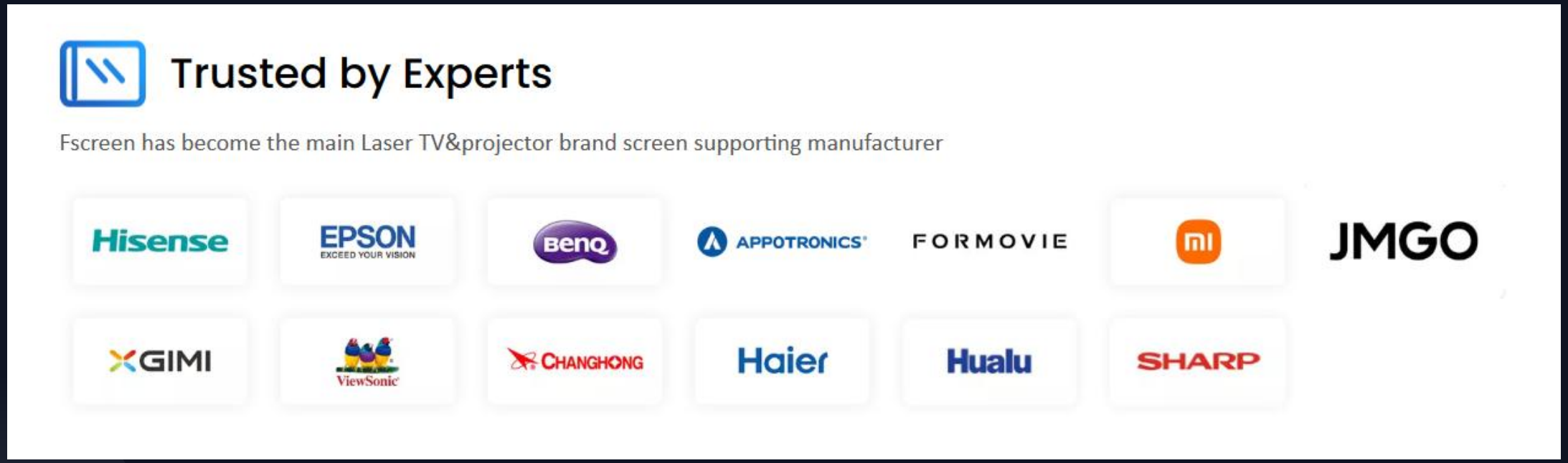
Eco-friendly

0 radiation, 0 formaldehyde, all materials of our screen comply with EU ROHS certification

The Design Concept of Fscreen

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Fscreen has become the China main UST Laser TV brand screen supporting manufacturers



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For Your Immersive Viewing Experience

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