

Innovative, Love, Sustainability



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Your Space We Care

With the intensification of global climate change, extreme weather events, rising sea levels, the loss of biodiversity and environmental pollution have become increasingly severe, posing a huge threat to human society and the natural environment. Against this backdrop, green innovation has become a key approach to addressing these challenges and achieving sustainable development.

Why FILMBASE established ?

FILMBASE is precisely based on the concern for this global issue and the pursuit of green innovation. The company is committed to developing new environmentally friendly building materials, display materials and energy materials to reduce dependence on natural resources and environmental pollution. One innovative product after another developed by the company not only helps save the earth's energy and reduce global carbon emissions, but also enhances the aesthetics and value of buildings. While improving the living standards of human beings, it also promotes ecological protection and environmental improvement.

FILMBASE is not limited to its products themselves, but also extends to its global business practices. The company has established eight joint production bases worldwide, providing technology transfer and production guidance to other international enterprises that wish to produce and manufacture this high-value green and environmentally friendly product. It has also established partnerships with many world-class brands, promoting green technology to the international market. Through these efforts, FILMBASE not only promotes the use of environmentally friendly materials but also enhances global awareness of green buildings and design.

In the future, FILMBASE will continue to take green innovation as its original aspiration. Through continuous technological research and development and market promotion, it will provide high-quality products and services to global customers and jointly build a smarter and greener world.

Why link to Filmbase



When you come here and see what Filmbase are doing, it means a beautiful and meaningful cooperation is about to begin.

A Grateful Encounter. we look forward to establishing deep links and cooperating with you to witness the infinite possibilities of innovation and exploration of horizons and Spaces.

On this journey, you and Filmbase will create a green future, bring more comfortable life to human, while lead the trend of low-carbon innovation, and inject vitality into the sustainable development of the planet.

01 You will witness how Filmbase **PDLC films** can subtly replace traditional curtains, reduce the need for fabric production, reduce cotton cultivation and land resource occupation, and bring them to people, get the privacy of simple and the beauty of space switching, and contribute to sustainable development.

02 You will witness how Filmbase **PDLC glass** replaces the heavy solid wall with a light attitude, saving sand resources and reducing the generation of construction waste; At the same time, it is thinner, lighter and easier to recycle, reducing transportation and installation costs and improving space benefits Use efficiency. Please Bring this wonderful product to your country.

03 You will witness how Filmbase **LED film, LED glass** is subverting the traditional LED display, through the innovative integration of "glass + display" new materials, becoming an ideal choice for low-carbon +value buildings, create additional value for owners such as advertising and landmarks.

04 You will also see how Filmbase **VC glass** significantly reduce building energy consumption with smart insulation technology, sound insulation technology, indoor cooling and heating, To achieve the perfect balance of energy saving and comfort.

05 You will see How Filmbase **Flying display** empowers low-altitude economy and low-altitude performance, making the activity more shocking and exciting, and making the business more valuable.

06 You will also see how Filmbase 0.2mm **Ultra thin transparent holographic display film** empowers space and vision, creating a holographic horizon that makes space and vision infinite.

07 You will also see the display or the film which can **self-electricity** or make the electricity.

Through technological innovation and product upgrading, Filmbase actively responds to the international energy saving and carbon reduction action plan under the premise of improving people's lives, and develops and produces energy-efficient building materials, display materials and energy materials. We invite you to join Filmbase to create a smarter , greener and comfort future In this journey, We are all not only a spectator, but also a participant and creator.



who we are

FILMBASE

New material technology leader for vision and space

As an important partner of FILMBASE, we would like to keep you up to date with more information about our full range of products and our company.

FILMBASE is a high-tech enterprise ,a specialized, refined, distinctive and innovative enterprise that focuses on new materials for construction, display and energy. Which holds over 150 patents including invention patents and utility model patents. It is the only global innovative enterprise that integrates the three major industries and technologies of construction, display and energy. FILMBASE products have obtained authoritative certifications such as CCC, UL, PSE, CE, CB, RoHS and FCC. Currently, it has joint production bases in Germany, Brazil, South Korea, Dubai and other places. Since its establishment 8 years ago, We achieved rapid development. It began preparing for listing in March 2023, and CITIC Securities has been providing guidance for 2 years.

FILMBASE strictly adheres to ISO9001 and ISO14000 standards, manufacturing world-leading LED Film ,3d display glass, PDLC films, Smart Glass , UTD , thermochromic materials, photochromic materials, low-altitude flying display films, and related components and products.

We provide the most advanced technologies and solutions for global city design, architectural design institutes, interior design, supermarkets, media advertising agencies, curtain wall displays, and space partitions.

Company: Shenzhen Filmbase Technology Co., Ltd

PROVIDE

Brand:

FILMBASE[®]

HAVE

Products:

Media Glass | LED Film | Switchable Glass
Smart Film | UTD^{AR} Film | VC Glass | FLY Display
SELF-ELECTRIC Display | Smart Door and Window

MILESTONES OF DEVELOPMENT

2017

Established revolutionized PDLC switchable Film formula, process, materials, equipment and manufacturing .

2019

Become one of Largest PDLC Film manufacturing center , produce widest and largest size, highest transmittance, more than 100 invention and utility model patents, Number 1 marketing share in China .

2018

Established Nano materials and LED glass R&D Center

2020

Established 3 subsidiaries
Yuguang Optoelectronics
Chongqing Yuguang Smart Glass
Chongqing Yuguang New Material Co., Ltd

2021

Established the Global brand (Filmbase), export to 81 countries and regions, Number 1 marketing share in the world.

2022

Established joint production bases in 20 countries, including the United States, Germany, Dubai, Brazil, Norway.

2023

Preparing IPO
Established YuGuang Energy (perovskite)

2024

Expand HQ to Pingan international center .developed flying display , VC glass . Self-electric display tech.

2025

Continuously innovate and improve, and continue to provide partners with absolutely competitive advanced new material products and comprehensive solutions.

MEDIA GLASS


Widely used in glass curtain walls, brand chain stores, commercial centers, exhibition displays, windows, space decoration and other occasions.





About Media Glass


Filmbase media glass is a cutting-edge technological glass that combines precision manufacturing, materials science ,Heat dissipation tech, system integrated chip design, control systems, cloud services and other multidisciplinary technologies. poised to transform various industries and sectors with its innovative features and adaptability. It has a broad range of target markets that include media, urban lighting, new building materials, exhibition shows etc.


Media glass revolutionary technology is not only a breakthrough in display technology but also a disruptive building material that is expected to pave the way for new market applications. Its unique form and versatility offer endless possibilities for multiple brand-new market applications.


- 


Support customization
- 


160° view angle
- 

Now and future latest facade
- 

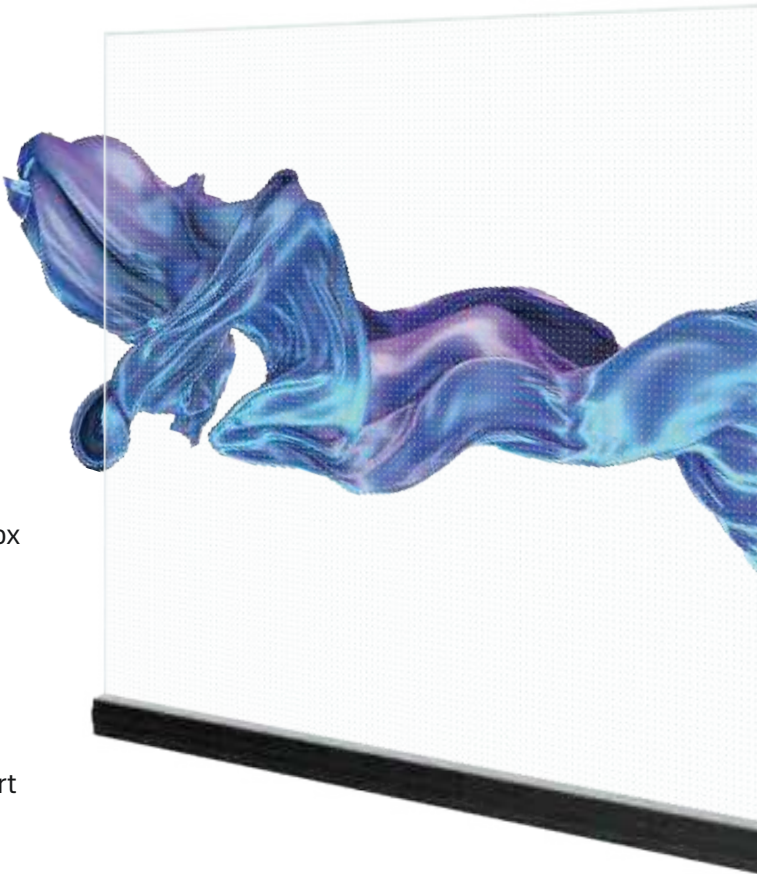
HD +Up to 85% transparency
- 

Support play 3D videos,Pictures,letter
- 

See through display, Glass+ display+control box all in one
- 

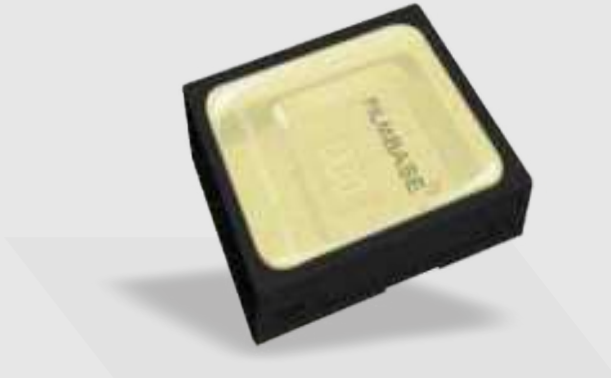
Easy for installation, Male+Female connect, plug and Play
- 

Easy for operation, Intelligent control support APP , Computer, USB



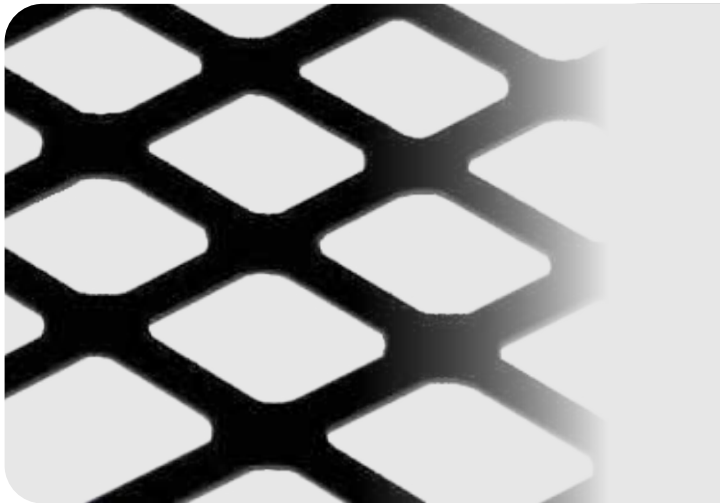
Display chip

Display chip, Control IC, Cooling system all in one with HD, lower carbon, longer life



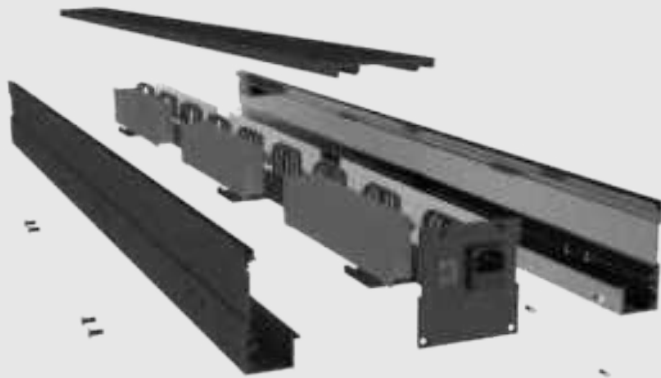
PCB

See through multi layer Integrated circuit board design makes more clear more transparency and less heat



Glass

Adapted electronic grade glass which customized for display,can choose partition glass, curtain wall insulating glass,



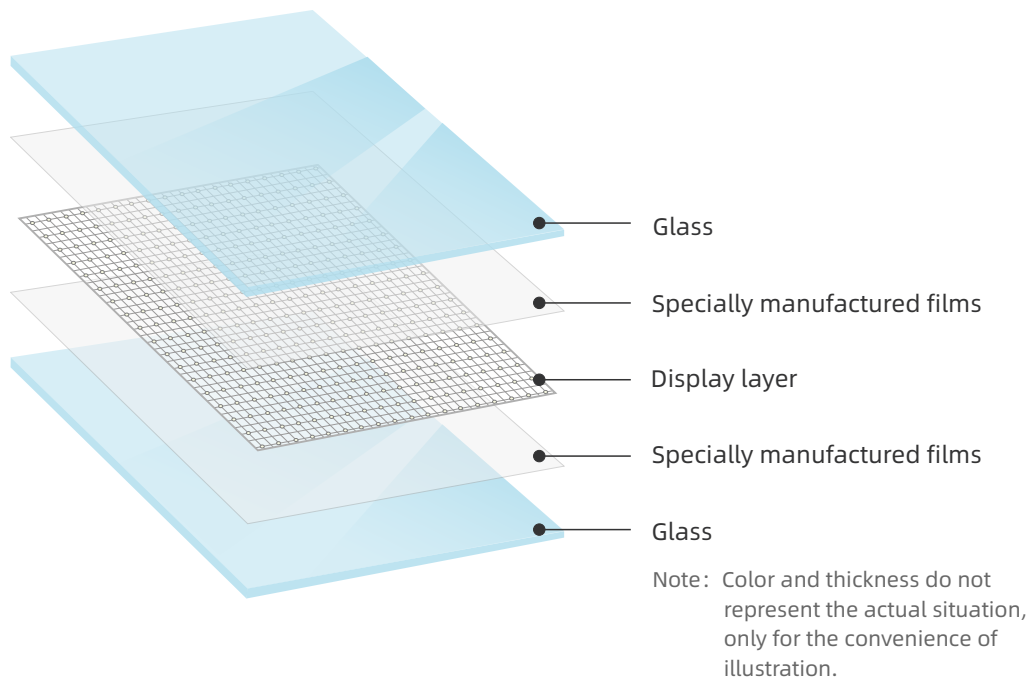
Control system

Implanting the display chip and control software into Facade glass allows the building itself to become a media glass, with disseminating information, creating building value, improving recognition and enhancing influence.



Skyscraper media glass

Filmbase skyscraper media glass ,is Is a revolutionary innovation glass,which combine both glass and display in one, see through technology allows people see outside while playing 3D video ,it Makes the building become the media to convey information, create value,increase recognition and enhance influence while save energy without block view and light .



Product Model		FILMBASE Skyscraper media glass	
Products	Skyscraper 01	Skyscraper 02	Skyscraper 03
Pitch	P7.98*7.98	P10*10	P20*20
Screen brightness (nits)	0~5000	0~5000	0~3000
Visual transparency	≥95%	≥95%	≥98%
Pixel pitch	8.32×8.32mm	10×10mm	20×20mm
Module	166×498mm	200×500mm	200×500mm
Pixel density	14400	10000	2500
Best view distance	≥8m	≥10m	≥20m
Viewing angle	≥160°	≥160°	≥160°
Average square power	230W	230W	140W
Maximum square power	650W	650W	390W

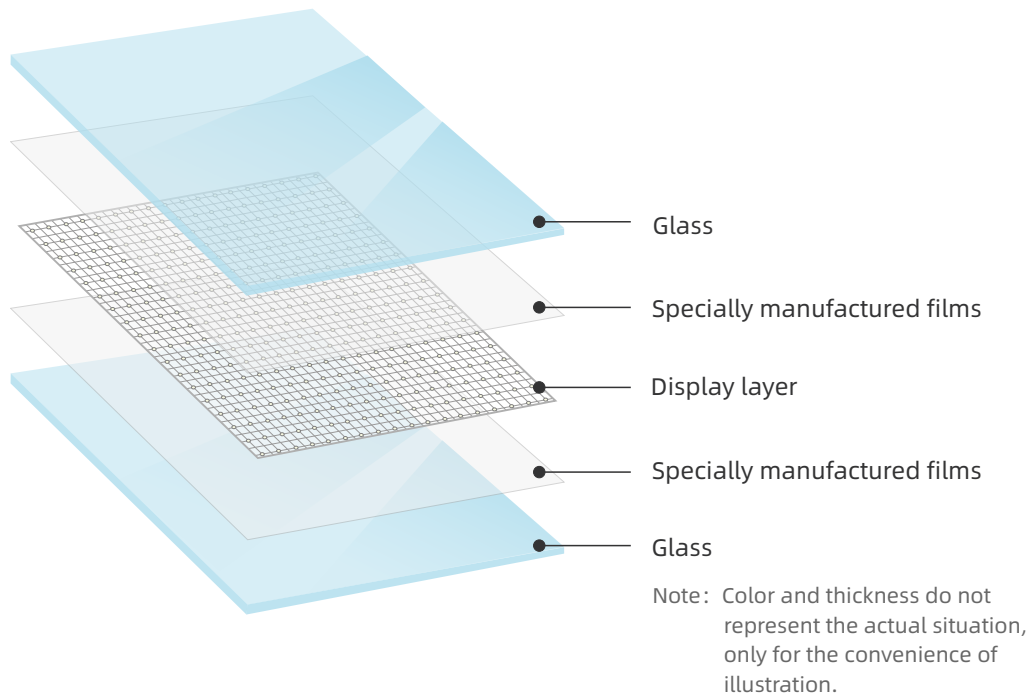
Product Model		FILMBASE Skyscraper media glass	
Products	Skyscraper 04	Skyscraper 05	Skyscraper 06
Pitch	P30*30	P50*50	P80*80 or more
Screen brightness (nits)	0~1200	0~600	Consultation Customization
Visual transparency	≥98%	≥99%	≥99%
Pixel pitch	31.25×31.25mm	50×50mm	80×80mm
Module	250×500mm	250×500mm	Consultation Customization
Pixel density	1024	400	156
Best view distance	≥30m	≥50m	≥80m
Viewing angle	≥160°	≥160°	≥160°
Average square power	70W	35W	Consultation Customization
Maximum square power	160W	90W	Consultation Customization

Technical Parameters		FILMBASE Skyscraper media glass	
Pixel specification	1R1G1B	Brightness adjustment	32X65536
Pixel package	SMD2020	Operating voltage	+5VDC
Screen material	Tempered Glass	Working temperature	-20°C~55°C
Grayscale level	65536	Storage temperature	-40°C~80°C
Refresh rate	≥3840	Working humidity	10-90%
Control system	Transmitter cards, asynchronous cards, asynchronous playback boxes, video processors	Storage humidity	5-95%



Luxurious media glass

The display chip and control software implanted into glass can make the Glass itself become media, Designed for Luxury store, commercial centre ,Mall with multiple functions such as spreading information, creating value, improving recognition and enhancing influence, so that the eyes are beautiful scenery. Change the display content at any time, support human-machine interaction, and make the space interesting and promising.



Product Model	FILMBASE luxurious media glass			
Products	Luxurious 01	Luxurious 02	Luxurious 03	Luxurious 04
Pitch	P3.9	P4.9	P5.9	P7.9
Screen brightness (nits)	0~5000	0~5000	0~5000	0~5000
Visual transparency	≥90%	≥90%	≥95%	≥95%
Pixel pitch	4.16×4.16mm	5×5mm	6.23×6.23mm	8.3×8.3mm
Module	124.8×500m	200×500mm	124.6×499mm	166×498mm
Pixel density	57600	40000	25600	14400
Best view distance	≥4m	≥5m	≥6m	≥8m
Viewing angle	≥160°	≥160°	≥160°	≥160°
Average square power	230W	230W	230W	230W
Maximum square power	650W	650W	650W	650W

Product Model	FILMBASE luxurious media glass		
Products	Luxurious 05	Luxurious 06	Luxurious 07
Pitch	P10	P16	P20
Screen brightness (nits)	0~5000	0~4000	0~3000
Visual transparency	≥95%	≥98%	≥98%
Pixel pitch	10×10mm	15.6×15.6mm	20×20mm
Module	200×500mm	250×500mm	200×500mm
Pixel density	10000	4096	2500
Best view distance	≥10m	≥15m	≥20m
Viewing angle	≥160°	≥160°	≥160°
Average square power	230W	200W	140W
Maximum square power	650W	520W	390W

Technical Parameters		FILMBASE luxurious media glass	
Pixel specification	1R1G1B	Brightness adjustment	32X65536
Pixel package	SMD2020	Operating voltage	+5VDC
Screen material	Tempered Glass	Working temperature	-20°C~55°C
Grayscale level	65536	Storage temperature	-40°C~80°C
Refresh rate	≥3840	Working humidity	10-90%
Control system	Transmitter cards, asynchronous cards, asynchronous playback boxes, video processors	Storage humidity	5-95%