

# 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



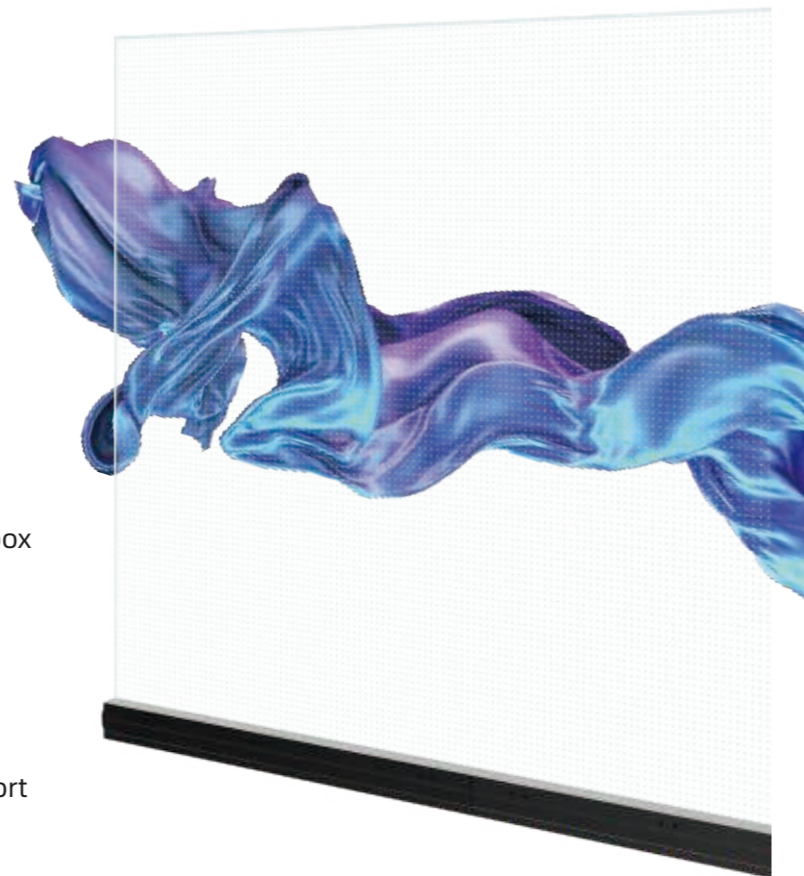
See through display,  
Glass+ display+control box  
all in one



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



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



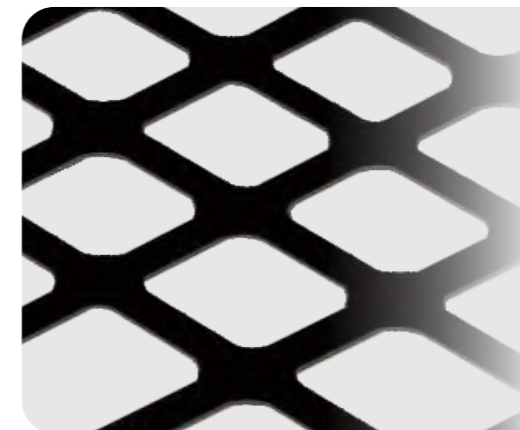
## Display chip

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



## Mesh type 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 .

01

P7.9\*7.9

8.32x8.32mm

02

P10\*10

10x10mm

03

P20\*20

20x20mm

04

P30\*30

30x30mm

05

P50\*50

50x50mm

06

P80\*80 or more

80x80mm or more

# 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.

01

P3.9

4.16x4.16mm

02

P4.9

5x5mm

03

P5.9

6.23x6.23mm

04

P7.9

8.3x8.3mm

05

P10

10x10mm

06

P15

15.6x15.6mm

07

P20

20x20mm

Filmbase Canada

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# About LED Film

LED film creat innovation, vitality and beauty into the existing glass curtain wall, window, guardrail, shopping mall, exhibition hall. Its HD transparency features a dynamic digital identity while retaining natural light. This revolutionary technology turns buildings and Spaces into immersive media platforms that showcase real-time information, artwork and advertising. From commercial buildings to cultural centers, they can be self-pasted, hung, or sandwiched-between glass displays, integrating with the environment and creating eye-catching focal points everywhere.



## Adjustable high brightness

With different pixel density, conventional 3000cd/m<sup>2</sup>, Highlight 5000cd/m<sup>2</sup>; customized >7000cd/m<sup>2</sup>.



## Ultra thin

The LED are hidden, and the conventional front and rear flat films are <2.5mm. Ultra-thin customized front and rear flat film <1.5mm.



## High transparency

About 50-90% physical transparency with different point spacing, and a reasonable viewing distance of 99% visual transparency.



## Crop stitching

The signal is transmitted in a straight line to ensure that the screen can be cut and spliced.



## Easy to install

Lightly paste the film on the glass, separate the controller and install it. Plug connection and installation is complete.



## Non-destructive repair

The surface protective film can be replaced at any time to ensure that the screen is brand new at any time, and the bad film that cannot be repaired on site can be directly replaced with a new film.





# Holographic invisible display

The high-definition transparent feature adds a dynamic display effect while preserving natural light. This revolutionary technology transforms buildings and spaces into immersive media display platforms for real-time information, artwork and advertising. From commercial buildings to cultural centers, Filmbase invisible displays, which can be self-adhesive or suspended, blend in with the city.

01 P3.9 4x4mm	02 P4.9 5x5mm	03 P5.9 6x6mm	04 P7.9 8x8mm
05 P10 10x10mm	06 P15 15x15mm	07 P20 20x20mm	08 P30 30x30mm



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# About Switchable Glass


Switchable glass with Filmbase’s premium Polymer Dispersed Liquid Crystal (PDLC) technology allows glass to turn on, off, or anywhere in between in milliseconds for diverse light control applications.

Switchable glass in the absence of an electric field, the electronically controlled PDLC film is in an opaque state. When an alternating current is applied, at which point the switchable glass changes from an opaque state (OFF) to a transparent state (ON).



### Dynamic Privacy

Complete privacy or transparency when you need and want it most.




### Temperature Control

Solar Control smart films reflect IR light providing cooler interiors and less HVAC costs.




### High ROI

Mitigate longterm costs associated with cleaning, cooling, and signage.




### Dynamic Designs

Custom shapes and patterns add style and function to windows and partitions.




### Optimize Space

Replace thick studded walls with thin partitions or section open floor plans with minimalist solutions.




### Easy To Clean

Eliminate fabric or electronic curtains that are hard to clean and collect germs while affecting designs.



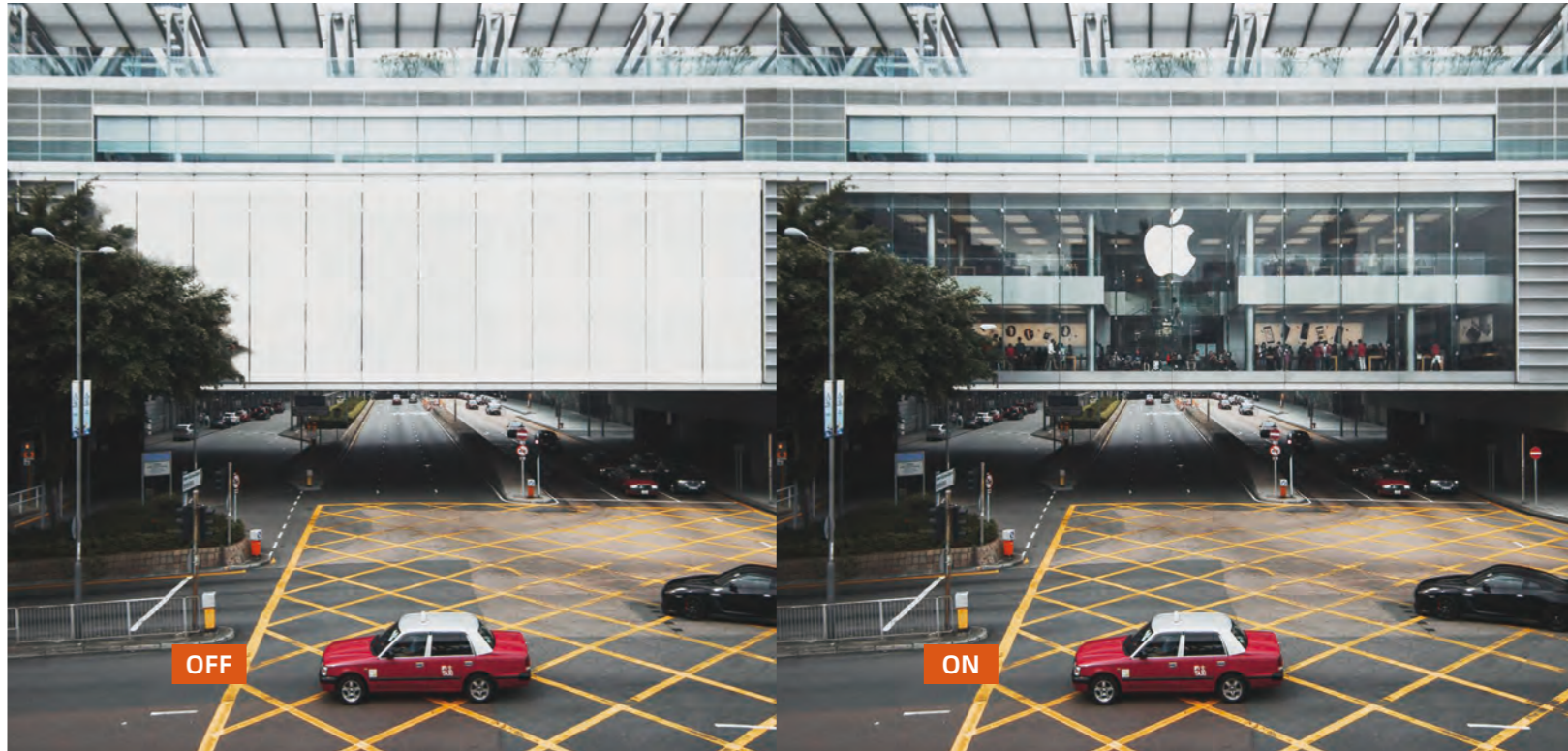
### Anti-noise

Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.



### Various control methods

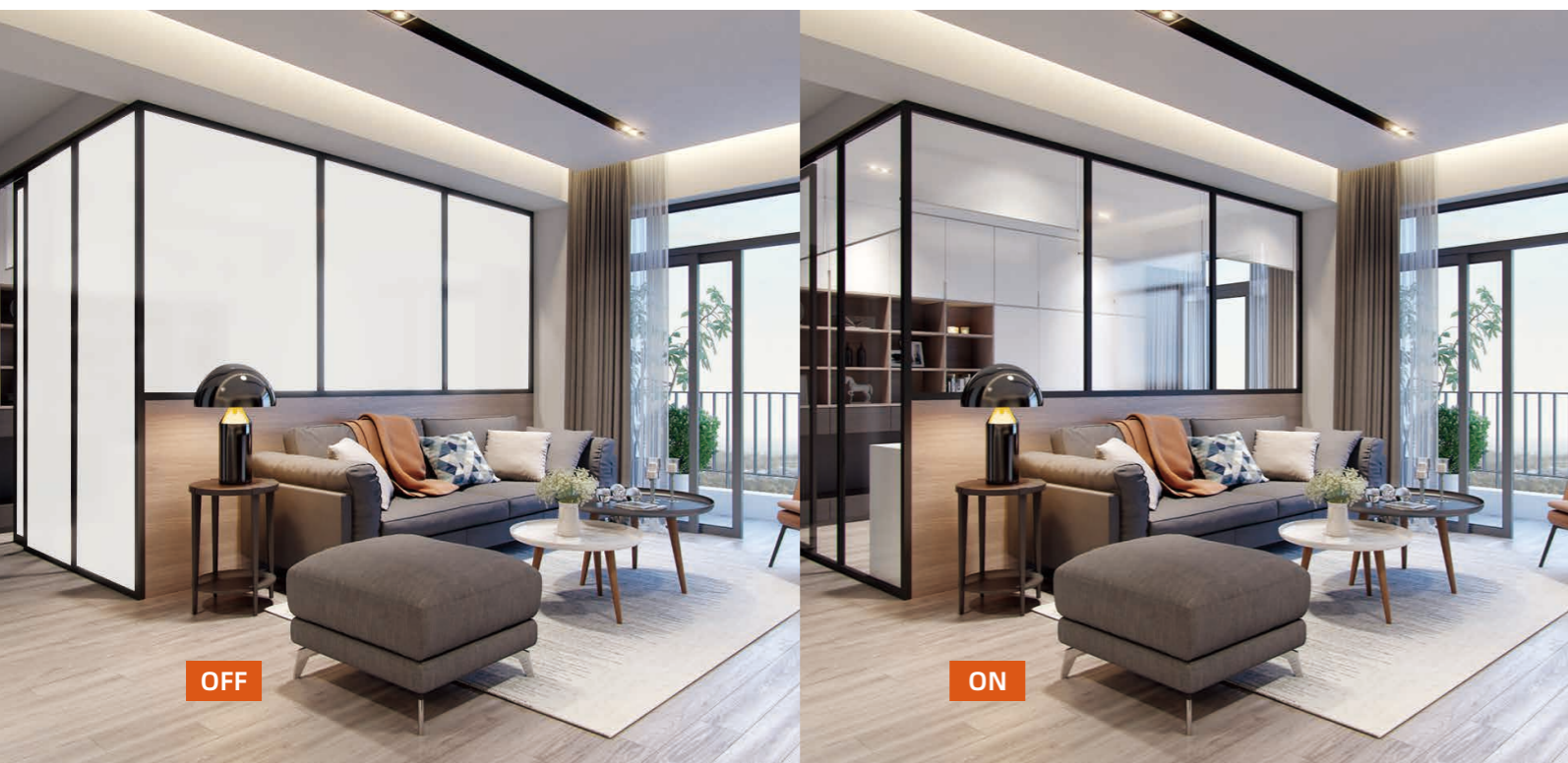
In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.



## FILMBASE Switchable glass

Filmbase switchable smart glass with PDLC film sandwiched in two pieces of glass of the same thickness, when power on it is transparency , when power off it becomes opaque ,with glass and smart curtain in one technology ,plus support rear projection to display videos,pictures and letters . Which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85% ,87% and 91% transmittance ,colorful available.

01 0404 4mm glass	02 0505 5mm glass	03 0606 6mm glass
04 0808 8mm glass	05 1010 10mm glass	06 1212 12mm glass



FILMBASE Smart facade glass



FILMBASE Art glass



## FILMBASE Switchable glass plus

Filmbase switchable smart glass with PDLC film sandwiched in two super clear low-E identical thickness glasses , when power on it is transparency , when power off it becomes opaque ,with Glass and smart curtain in one technology ,plus support rear projection to display Videos ,pictures and letters. which can be widely used in space partition or facade where more open view ,privacy and display functions needed. 85%,87% and 91% transmittance ,colorful available.

01

**0404 PLUS**  
4mm super clear glass

02

**0505 PLUS**  
5mm super clear glass

03

**0606 PLUS**  
6mm super clear glass

04

**0808 PLUS**  
8mm super clear glass

05

**1010 PLUS**  
10mm super clear glass

06

**1212 PLUS**  
12mm super clear glass

FILMBASE Limited edition glass



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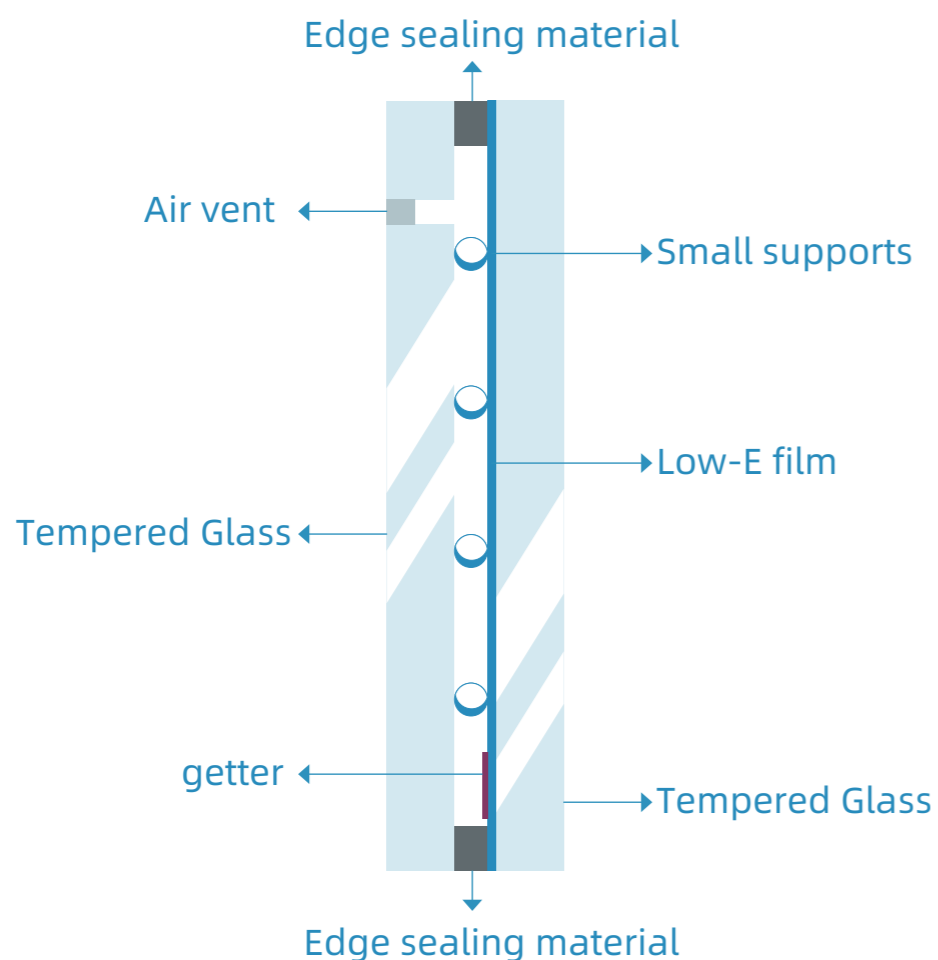
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## About VC Glass

Filmbase VC-Glass has the characteristics of excellent thermal insulation, sound insulation, noise reduction, anti-condensation performance, high wind pressure strength, long service life and so on.

At present, Filmbase VC-Glass has excellent performance in improving energy efficiency, improving the comfort of living environment and energy saving, and is the ideal choice for modern building and home improvement.



## Product Advantages



### More secure

The stress at any point on the surface of the product exceeds **90MPa**, The wind pressure resistance strength of Filmbase VC-Glass reaches **+7200Pa**.



### Size worry free

The maximum size of a single product can reach **1.5x2.5** meters.



### Sound insulation

The sound insulation and noise reduction performance of Filmbase VC-Glass is based on the fact that sound does not propagate under vacuum conditions. The weighted sound insulation reaches **39 dB**.



### Thermal insulation

Its heat transfer coefficient (U value) is as low as **0.4 W/m²·K**, significantly reduces energy loss and building energy consumption. The thermal insulation effect is more than 1 meter thick brick wall, is **4~6** times of ordinary insulating glass.



### Anti condensation

There is no gas inside the Filmbase VC-Glass, and even if the outdoor temperature reaches minus 40°C it will not condense. It has passed RoHS certification and can be fully applied to the high-end home appliance market worldwide.



### Various angles

Filmbase VC-Glass is not affected by the change of gas thermal conductivity when placed horizontally.



### Long service life

All-glass material seal, internal plus getter and Low-E film, as long as the manufacturing process and equipment advanced, Filmbase VC-Glass service life is much longer than the organic material sealed hollow glass.



### Be even quality

We have passed the ISO9001:2015 quality system certification and have undergone rigorous system and process audits by Bosch Home Appliances to ensure the reliable quality of every piece of Filmbase VC-Glass. We are also insured by PICC quality assurance insurance.

# VC<sup>TM</sup> —Glass Heat insulation Performance

Based on the principle of vacuum bottle, its thermal insulation performance is far better than ordinary insulating glass, can effectively reduce the heat transfer caused by temperature difference.

Can reach **0.27**  
Solar heat gain coefficient(SHGC)

Can reach **0.66**  
Sunshade coefficient(Sc)

 **Save 50%**  
Save 50% on air conditioning costs

 **Block UV 99%**  
Resistance to UV rays reaches 99%

 **Block heat 95%**  
Thermal insulation performance reaches 95%

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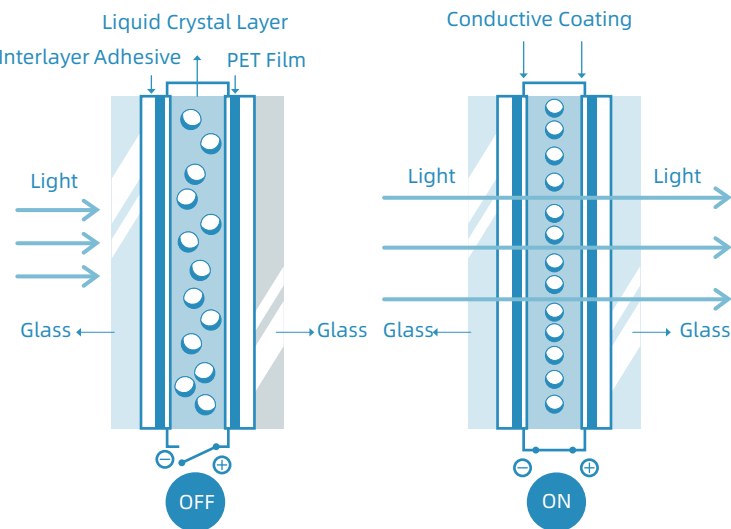


# About Smart Film

Smart film is a new type of electronic light control product. The electronically controlled smart film is a liquid crystal/polymer hybrid material injected in the middle of two transparent conductive films.

PDLC film in the absence of an electric field, the electronically controlled smart film is in an opaque state.

When an alternating current is applied, the liquid crystal molecules are arranged in an orderly manner, at which point the electrically controlled dimming film changes from an opaque state (OFF) to a transparent state (ON).

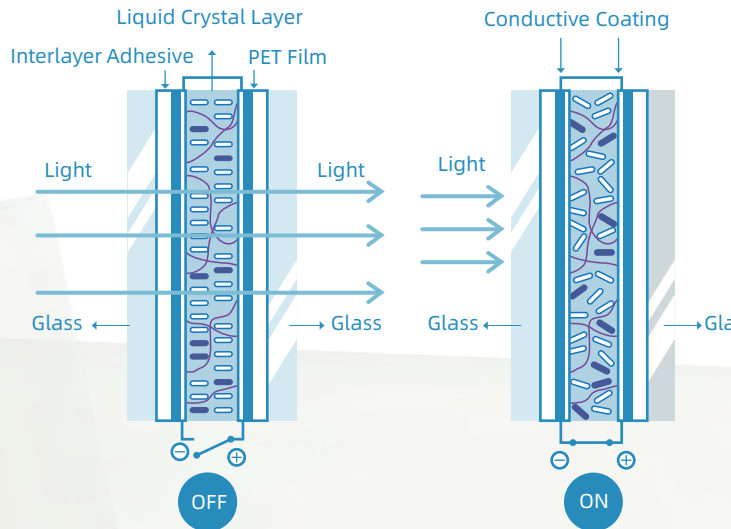


PDLC

PNLC film different from normal PDLC smart film, the working principle of PNLC film is opaque-power on, clear power off.

The electric field enables a rapid transition from the ON state to the OFF state and from the OFF state to the ON state.

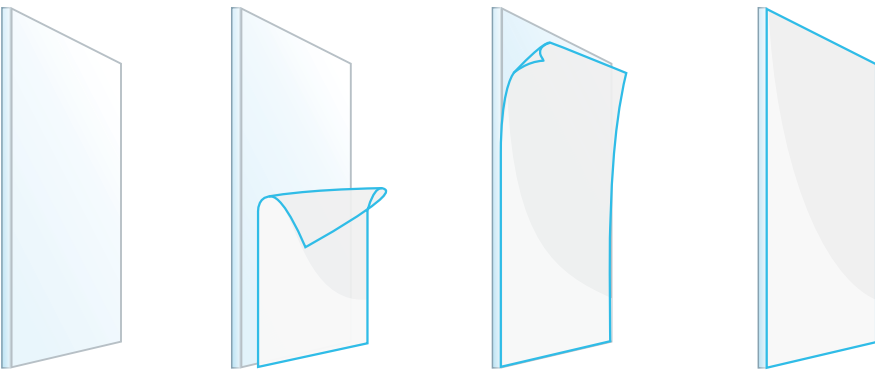
Smart film is usually applied to the surface of the glass or laminated between the glass layers, making the otherwise transparent glass, more possible.



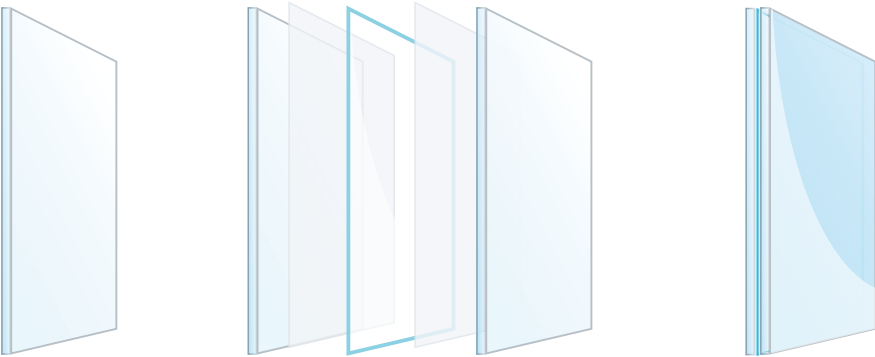
PNLC

## Two types Smart Film

There are two types of Smart films, self-adhesive Smart film and Laminated Smart film.

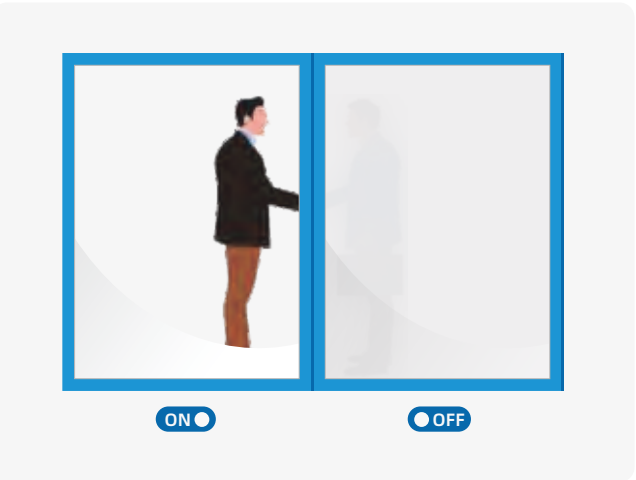


Self-adhesive Smart film



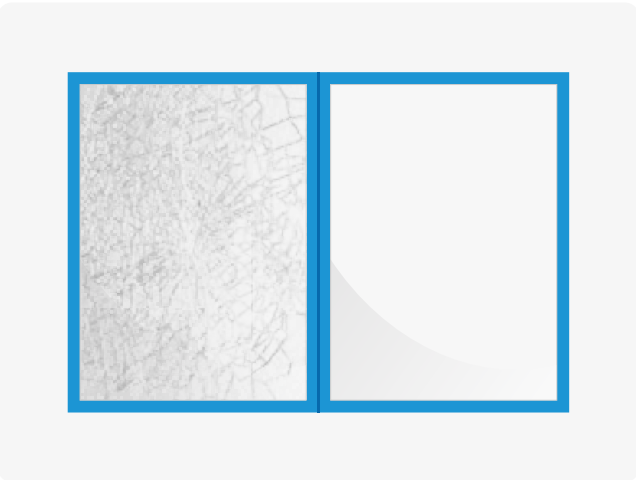
Laminated Smart film

## Characteristics Smart Film



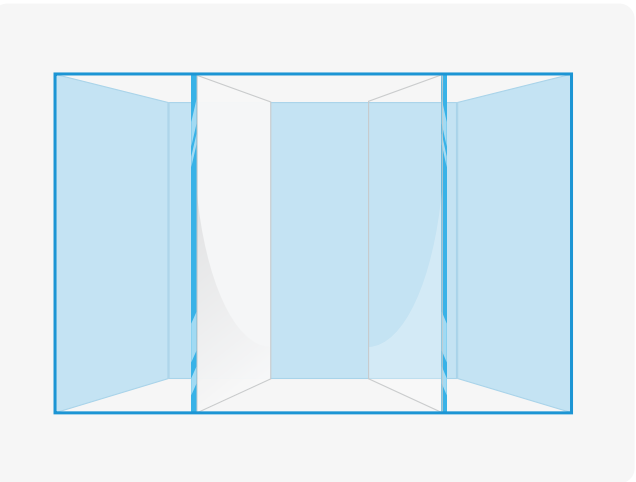
### Privacy protection

To protect your privacy and security, you can control it to be transparent or opaque at any time. Make your space more malleable, choose open or private at will.



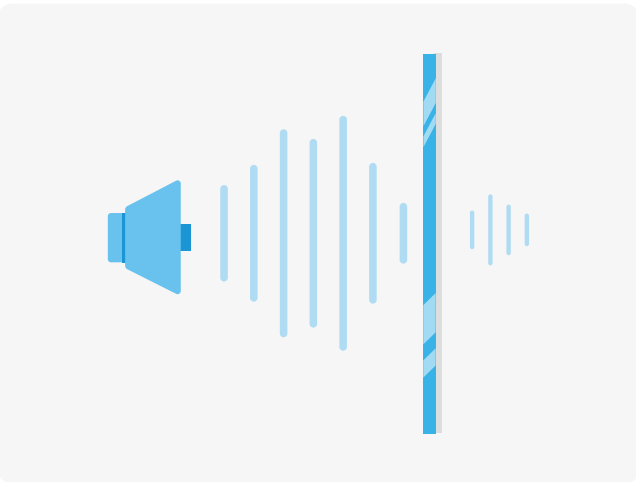
### Security

Even if the glass is broken, the fragments can still be adsorbed on the PDLC film, which can avoid personal injury caused by broken glass.



### Space partition

With the use of PDLC film, glass partitions can easily differentiate between different spaces, making your three-dimensional space more malleable and versatile.

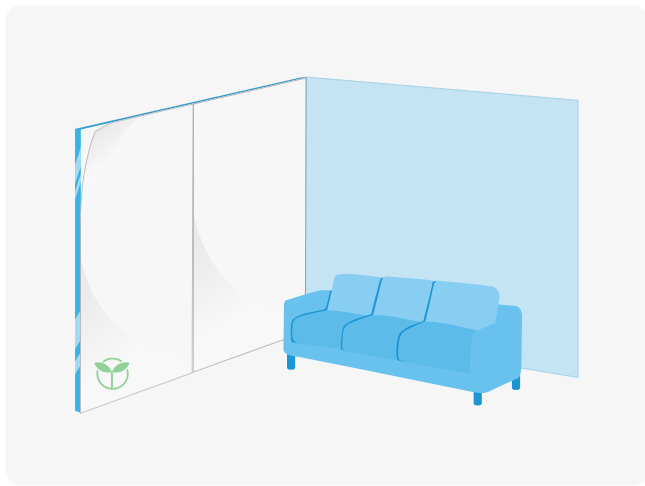


### Anti-noise

Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.

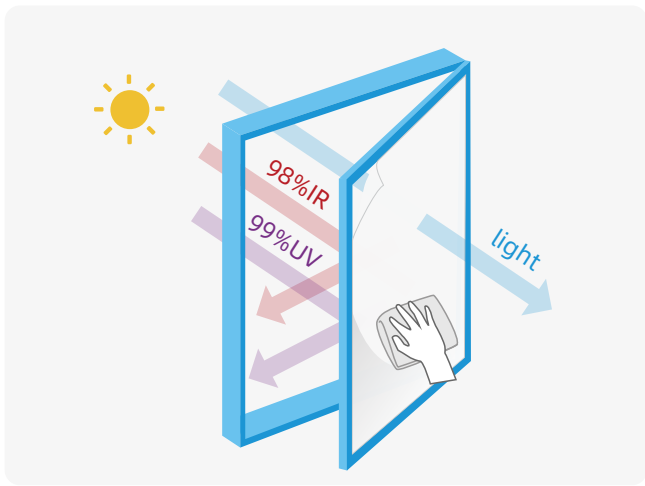
# Characteristics

## Smart Film



### Environmental protection

The installation of PDLC film can effectively reduce the loss of decoration, which can better reduce pollution and protect the environment.



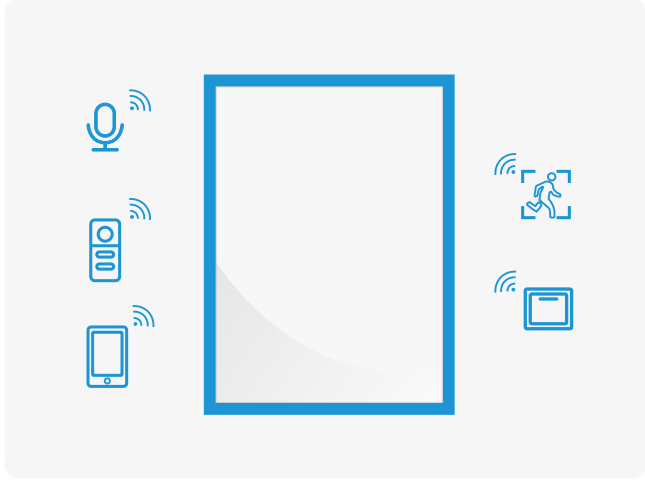
### Heat-resistant and anti-scratch

The maximum operating temperature is 105°C, which allows the product to continue to operate at higher temperatures. The anti-scratch layer protects the surface of the product from daily scratches and does not affect the clarity of the product itself.



### Touch screen and projection

Using a high-definition projector, it is easy to realize the viewing scene, with a viewing angle of 180°, 4K picture quality display effect, and with the radar can be multi-touch, video interaction.



### Various control methods

In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.



# FILMBASE Smart film

FILMBASE Smart film is a luxury PDLC film on the market today, with a transmittance of 84% -92% and haze<3%, which can maximize the clarity of the original glass and enhance privacy.

It is used in scientific research institutions, intelligence agencies, luxury villas, president's office, super 5-star hotels, Hollywood theaters, and other places that require ultra-transparency and absolute privacy.

01

**FILMBASE 091**  
90%-92% transmittance

02

**FILMBASE 087**  
87%-89% transmittance

03

**FILMBASE 085**  
84%-86% transmittance

04

**FILMBASE Reverse**  
PNLC, the opposite of PDLC



01

**FILMBASE Warrior**  
Suitable for high temperature applications

02

**FILMBASE Auto Smart Film**  
Specially designed for automotive use

03

**FILMBASE Colorful**  
Customizable in different colors

04

**FILMBASE Limited edition**  
Content can be etched inside the smart film

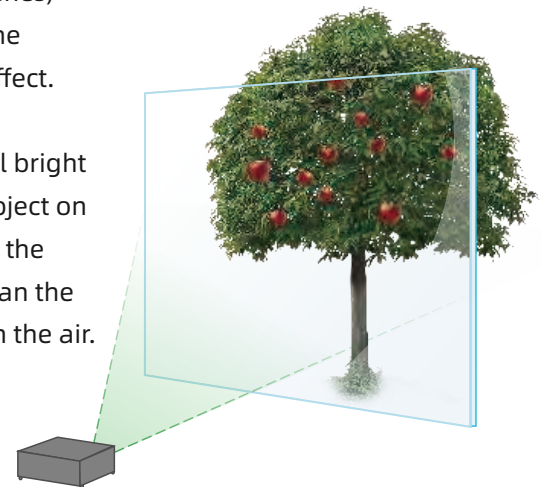
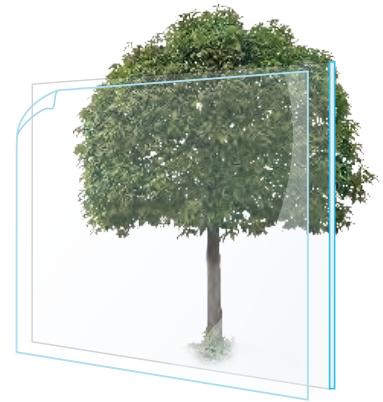


# About UTD<sup>AR</sup> film

Filmbase UTD<sup>AR</sup> film (ultrathin transparency display) is based on the principle of projector reflection imaging, and the surface of the film is coated with a nano-scale photosensitive coating through a vacuum magnetron sputtering coating process, so that the film maintains a high transmittance and also has a high reflectivity (mirror appearance), 170-degree phantom imaging, composite phantom imaging and stereoscopic suspended phantom imaging.

A brand-new projection medium is displayed in important event scenes, which is more transparent than traditional screens, and can make the image suspended in the air to produce a hazy and magical visual effect.

UTD<sup>AR</sup> film remains transparent while ensuring that the picture is still bright and the colors are vivid and saturated. The audience can see any object on the back through the holographic invisible screen, and can also use the light transmission secondary imaging, which is more transparent than the traditional projection screen, and can make the image suspended in the air.



## Transparent HD

It has the unique characteristics of full transparency and high definition, which can be placed in the best advertising position. The visual effect of full transparency, high definition and 3D future technology can quickly improve the publicity effect.



## High performance and low cost

The existing 3D transparent and AR display technologies on the market all require high costs, while Filmbase double sides projection film is a perfect combination of high performance and low cost.



## Ultra-thin profile

Simple and ultra-thin, resistant to strong light and anti-aging. The appearance is beautiful and generous, fully reflecting the fashion and avant-garde atmosphere.



## Commercial value

The existing 3D transparent and AR display technologies on the market all require high costs, while Filmbase double sides projection film is a perfect combination of high performance and low cost.



01

## Flexible lifting screen

Fully transparent, ultra high definition, liftable.

02

## Transparent image wall

Instantly catch visitors' eyes and create a new corporate image.

03

## Naked-eye AR screen

Floating three-dimensional 3D display.

04

## Perspective dance screen

High permeability, highly integrated with the stage environment.

05

## Theme transparent screen

One-piece suspension design, make full use of the original space.

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# FLYING DISPLAY

It helps event organizers create influence and commercial value.

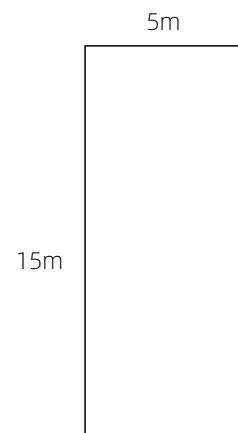


# About Flying Display

Filmbase Flying display is an innovative display which designed for Low-altitude performances and aerial media, which adopts ultra-light, thin and transparent LED display technology, 250G/SQM and 2mm thickness, over 95% transparency, allowing the displayed content to blend seamlessly with the environment and present a realistic and dazzling visual effect.

## Size, Guinness Book of Records

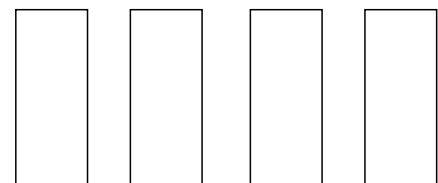
Standard size is 5m by 15 m, breaking the existing size record of flying screens in the market and is currently applying for the Guinness World Record. It also supports "many-screen linkage". The clarity is dozens of times higher than that of traditional building lighting shows and drone shows, and it can also present high resolution 3D effects.



One drone model

## Applications

It can be used for aerial advertising, breaking through spatial limitations and enhancing the exposure and influence of advertisements; suitable for brand display and event promotion, attracting audiences and strengthening brand image during product launches and other events; it is often used in light and shadow shows and cultural exhibitions, combining light and shadow with cultural content during festivals and artistic performances, providing a stunning audio-visual experience.



Formation drone mode

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# About Hanging LED Film

Filmbase Hanging LED Film is an innovative new display material that combines transparent display, intelligent control and energy efficient technology. Its high light transmittance (up to 90%) ensures natural lighting while realizing high-definition dynamic displays with stunning visual effects. With ultra-thin (less than 2mm) structure design.

The Hanging LED Film can be flexibly hung or attached to the glass surface, which is suitable for all kinds of architectural curtain walls and commercial display spaces. Supporting cloud-based intelligent control, it provides efficient and convenient solutions for advertising media, commercial retail, intelligent transportation, city lighting and other fields.

Its low energy consumption LED technology complies with green building standards, contributes to sustainable development, and comprehensively empowers intelligent space applications.



Now and future  
latest facade



HD +Up to 90%  
transparency



Easy for installation,  
Male+Female connect,  
plug and play



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



SCAN TO CONTACT US



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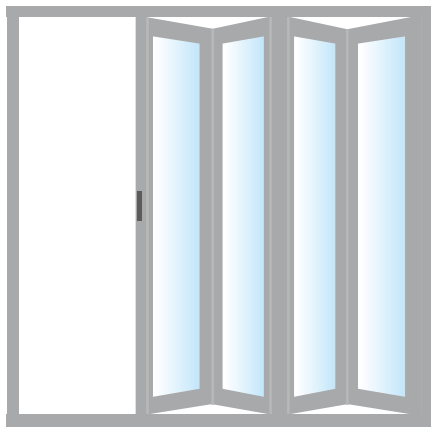
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# About Smart door and window

Smart doors and windows are a brand new product from Filmbase, which perfectly combines PDLC glass with door and window systems. It adopts advanced PDLC intelligent dimming technology, which can switch between transparency and privacy modes with one click, and has multiple functions such as heat insulation, sound insulation, and energy saving.

This type of door and window not only meets privacy protection needs, but also enables remote operation and automated management through an intelligent control system, bringing users a convenient and comfortable smart home experience.



## Dynamic Privacy

Complete privacy or transparency when you need and want it most.



## Temperature Control

Solar Control smart films reflect IR light providing cooler interiors and less HVAC costs.



## Optimize Space

Replace thick studded walls with thin partitions or section open floor plans with minimalist solutions.



## Dynamic Designs

Custom shapes and patterns add style and function to windows and partitions.



## Anti-noise

Compared with ordinary glass, the anti-noise ability of glass using Filmbase PDLC film is increased by 20%.



## Easy To Clean

Eliminate fabric or electronic curtains that are hard to clean and collect germs while affecting designs.

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01

## Folding Door

Concealed hinge design

02

## Sliding Door

Ultra-narrow hanging door design

03

## Privacy Partition

Very simple and narrow profile

04

## Window Screen Integrated

Combined with window screen design

05

## Casement Window

Innovative hinge design