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FILMBASE[®]

MAKE GLASS DO MORE



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INNOVATIVE GLASS DISPLAY SOLUTIONS FOR TODAY AND TOMORROW



FILMBASE is the world leader in Smart Film & Display Glass technologies ,Focused on the research, Development , Manufacturing and marketing of vision and light control technologies that support safe ,sustainable ,comfortable , Unique, innovation and agile user experiences across various industries.

FILMBASE HQ is located in Shenzhen China , with more than 180 employees and 3 manufacturing base in Shenzhen , Huizhou and Chongqing .We are the only company who is controlling the entire production cycle from coating the PET with the inhouse formulated ITO to carefully designing and selecting phase appropriate liquid crystals and glue so to offer a real 5years production warranty.

As High Tech company, We have more than 80 patents home and aboard, FILMBASE always follow ISO9001 and ISO14000 standard, Our products has UL, PSE, CB, CE, FCC and RoHS certification. NOM, KC, TUV and SAA is under applying too . We have more than 60 distributors from USA ,Canada ,Mexico , Israel ,Japan ,mid-east and many European countries .To offer you the best innovation products and services together with our different partners ,

Our mission is to create surfaces, systems, and solutions that are smart and multifunctional for the spaces we spend our time most. From glass that switches transparent to opaque for privacy or dimmable shading in architecture, automotive, displays glass for a new era in digital signage and communication.

FILMBASE ,Make Glass Do more.

Seeing More,Saving More ,Creating More

As your new and important partner in the full range of FILMBASE products, we would like to introduce ourselves to you and tell you more about FILMBASE, our company strategy, our product line and above all the many benefits you can obtain.

Company: Filmbase Technology Co., Ltd

----- PROVIDE -----

Brand:



----- HAVE -----

Products: Smart Film | Smart Glass | LED Glass | 0.2mm UTD
Smart Curtain | Silent Pod



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OFF



ON

01

Smart Film Series

Classic Self-adhesive Smart Film | Classic Laminated Smart Film
| Different transparency and high temperature series
| Self adhesive ultratransparency smart film with hard coat
| Grey Smart Film | Auto Smart Film | PNLC Smart Film

Widely used in offices, hotels, banks, hospitals, shops, clubs, villas and other places.

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.

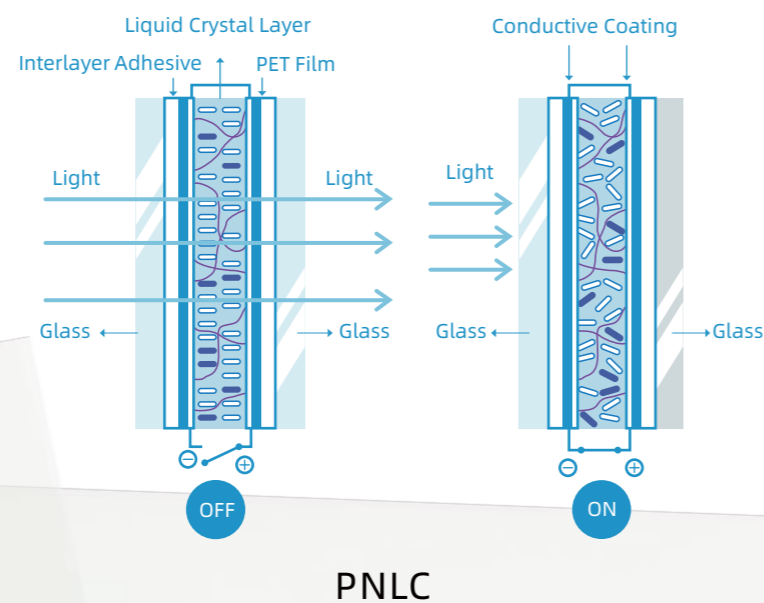
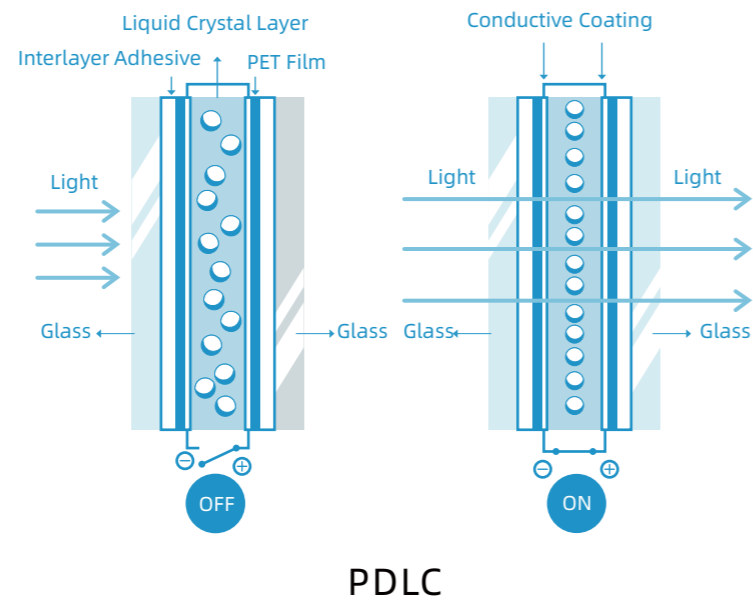
PDLC film in the absence of an electric field, the electronically controlled smart film is in an opaque state.

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).

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.



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.



Touch screen and projection

Excellent image effects will be achieved Watch movies through a high-definition projector that enables multi-touch to the film.



Security

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



Environmental protection

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



Space partition

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.



Cooling and UV protection

By blocking more than 98% of infrared rays, the heat insulation effect is achieved. At the same time, it blocks more than 99% of ultraviolet rays, protects indoor furniture from fading and aging, and avoids ultraviolet rays from causing damage to the body.



Anti-noise

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



Various control methods

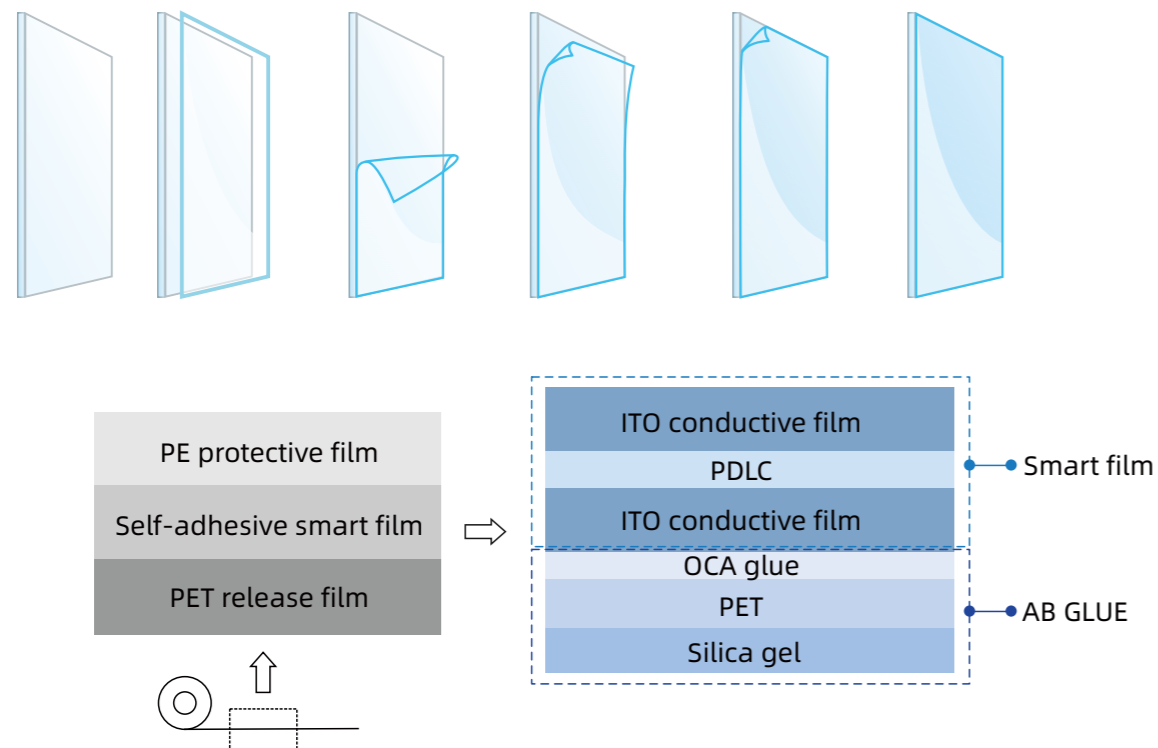
In order to meet your various needs, you can choose your preferred control method: remote control, wired control, infrared induction, voice control, mobile application, etc. In addition, an FM transformer can be selected to gradually change the film.



Classic Self-adhesive Smart Film

Self-adhesive liquid crystal smart film (hereinafter referred to as self-adhesive smart film) is covered with adhesive (AB glue) on one side of the smart film, which is used to fit the target glass.

Note: Self-adhesive PDLC films must not come into contact with water, otherwise they will be scrapped.



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

Product Size

Classic self-adhesive smart film

Items		
Thickness	Total thickness (without protective film)	0.47mm
	PDLC	0.38mm
	AB glue	90μm
	PE protective film	35μm
	PET release film	50μm
Sheet	Width	1000,1200,1500,1800(mm)
	Length	According to customer requirements
Roll	Width	1020,1220,1520,1850(mm)
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

Note*: This width is the actual size, the width of the calculated area is 1000,1200,1500,1800 mm

Photoelectric Performance

Classic self-adhesive smart film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200ms	
Operating temperature	--	-30°C ~ 95°C	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

Smart film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

Product Transparency / Haze

Classic self-adhesive smart film

Operating ambient temperature	Transparency	Full light tester			Parallel light tester		
		ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Low temperature	High transparency	OFF	94.56	81.91	5.93	/	/
		ON	4.53	85.4	3.77	58.16	83.43
	Ultra transparency	OFF	94.67	82.45	6.97	/	/
		ON	3.54	87.34	4.69	60.3	85.45
High temperature	High transparency	OFF	94.58	85.51	7.25	/	/
		ON	3.56	90.34	4.8	63.76	87.7
	Ultra transparency	OFF	94.62	80.75	6.02	/	/
		ON	4.57	85.32	3.94	59.66	83.4
High temperature	Ultra transparency	OFF	94.68	82.27	6.82	/	/
		ON	3.6	87.15	4.59	60.6	85.53
	Ultra high transparency	OFF	94.47	85.55	7.35	/	/
		ON	3.76	90.24	4.85	63.65	87.6



Product Size

Classic laminated smart film

Items		
Thickness	Total thickness (without protective film)	0.38mm
	Conductive substrate (single layer)	188μm
	Protective film (single layer)	35μm
Sheet	Width	1000,1200,1400,1500,1800,2000mm
	Length	According to customer requirements
Roll	Width	1050,1250,1450,1550,1850,2005*mm
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

Note*: This width is the actual size, the width of the calculated area is 1000,1200,1400,1500,1800,2000 mm

Photoelectric Performance

Classic laminated smart film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 60%	
Response time	OFF→ON	≤ 30ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200ms	
Operating temperature	--	-30°C ~ 95°C	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

Smart film is driven by AC power, colorless and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

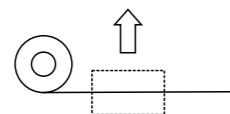
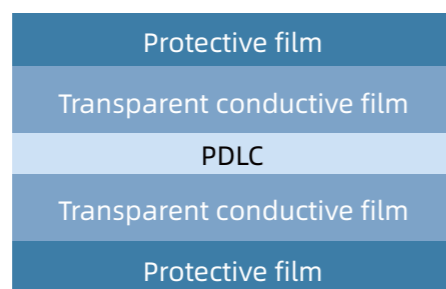
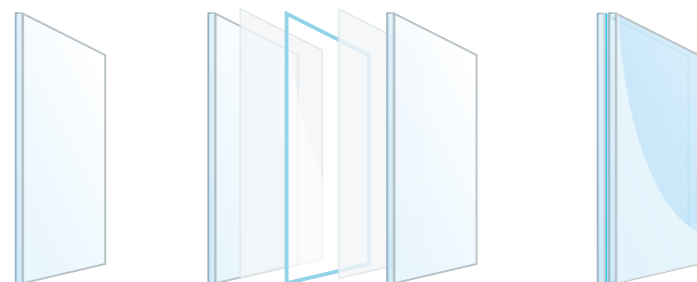
Product Transparency / Haze

Classic laminated smart film

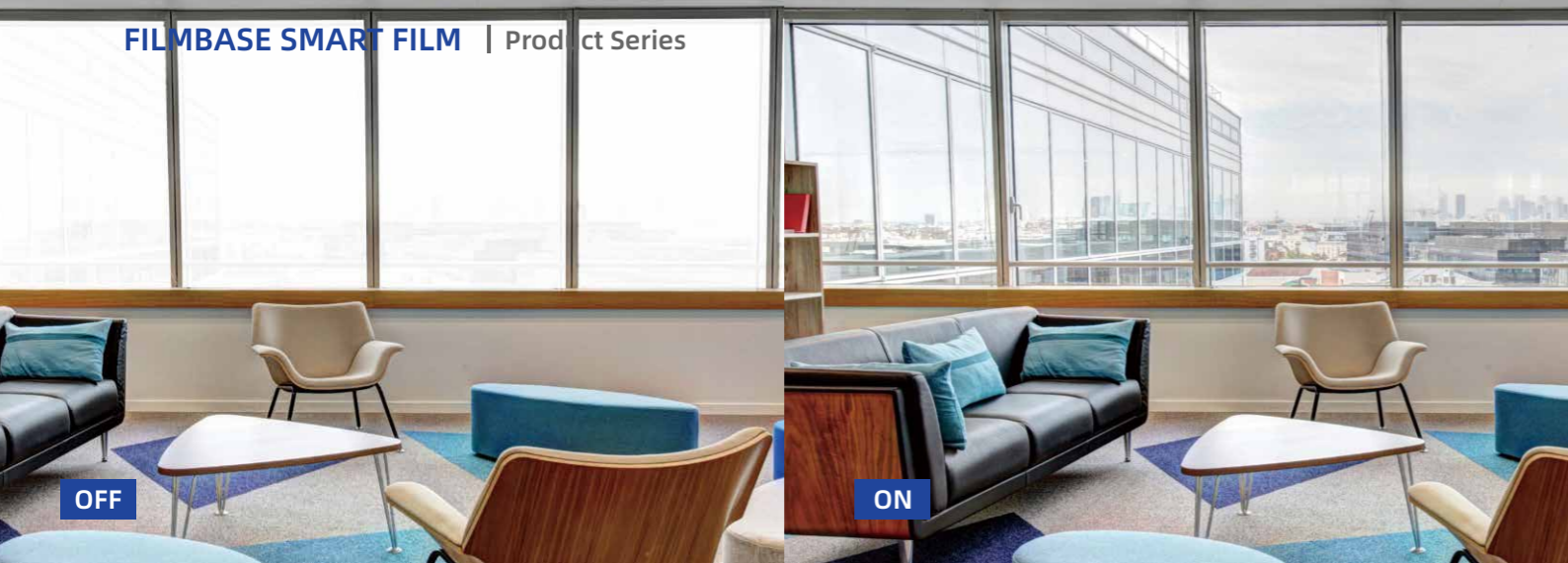
Operating ambient temperature	Transparency	Full light tester			Parallel light tester		
		ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Low temperature	High transparency	OFF	94.51	81.87	5.69		
		ON	3.73	84.68	3.65	57.16	83.3
	Ultra transparency	OFF	94.65	84.5	6.79	/	/
		ON	2.55	87.87	4.51	61.65	86.32
	Ultra high transparency	OFF	94.57	86.55	7.03	/	/
		ON	2.15	91.37	4.7	64.63	89.23
High temperature	High transparency	OFF	94.62	80.86	5.79	/	/
		ON	3.92	84.3	3.81	58.43	82.6
	Ultra transparency	OFF	94.60	84	6.38	/	/
		ON	2.75	87.69	4.53	61.73	86.13
	Ultra high transparency	OFF	94.59	86.78	6.87	/	/
		ON	2.24	91.05	4.8	64.72	89.01

Classic Laminated Smart Film

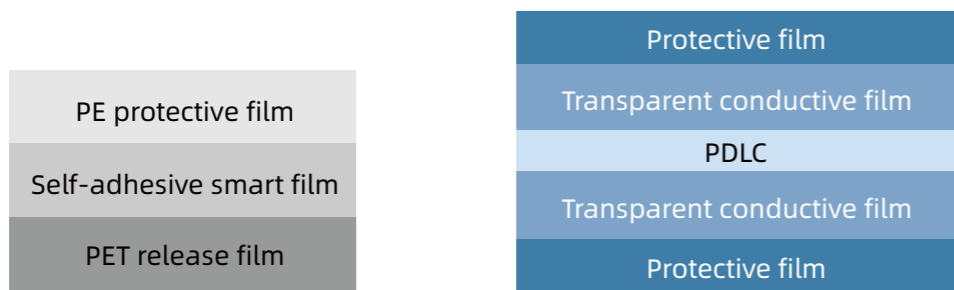
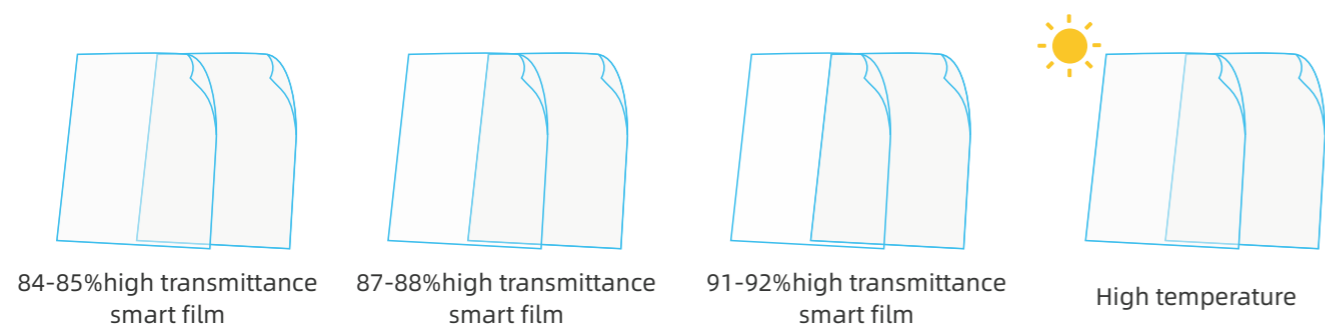
Laminated liquid crystal smart film (hereinafter referred to as smart film) is non-sticky on both sides, and can be tightly compounded with flat glass through EVA film to manufacture smart laminated glass.



(Color and thickness do not represent the actual situation, only for the convenience of illustration)



Different transparency and high temperature series



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

Product Parameters

84-85% high transmittance smart film

	Self-adhesive	Laminated
Haze (ON)	3%±1	3%±1
Haze (OFF)	95%±1	95%±1
Total light transmittance (ON)	84%-85%	84%-85%
Total light transmittance (OFF)	78%-79%	78%-79%
UV block	>99%	>99%
IR block(OFF)	>85%	>85%
Power consumption	4W/m ²	4W/m ²
Voliage	AC60V	AC60V

Product Parameters

87-88% high transmittance smart film

	Self-adhesive	Laminated
Haze (ON)	3.2%±1	3%±1
Haze (OFF)	95%±1	95%±1
Total light transmittance (ON)	87%-88%	87%-88%
Total light transmittance (OFF)	67%-73%	67%-73%
UV block	>99%	>99%
IR block(OFF)	>85%	>85%
Power consumption	4W/m ²	4W/m ²
Voliage	AC60V	AC60V
Operating temperature	-20°C~70°C	-20°C~70°C

Product Parameters

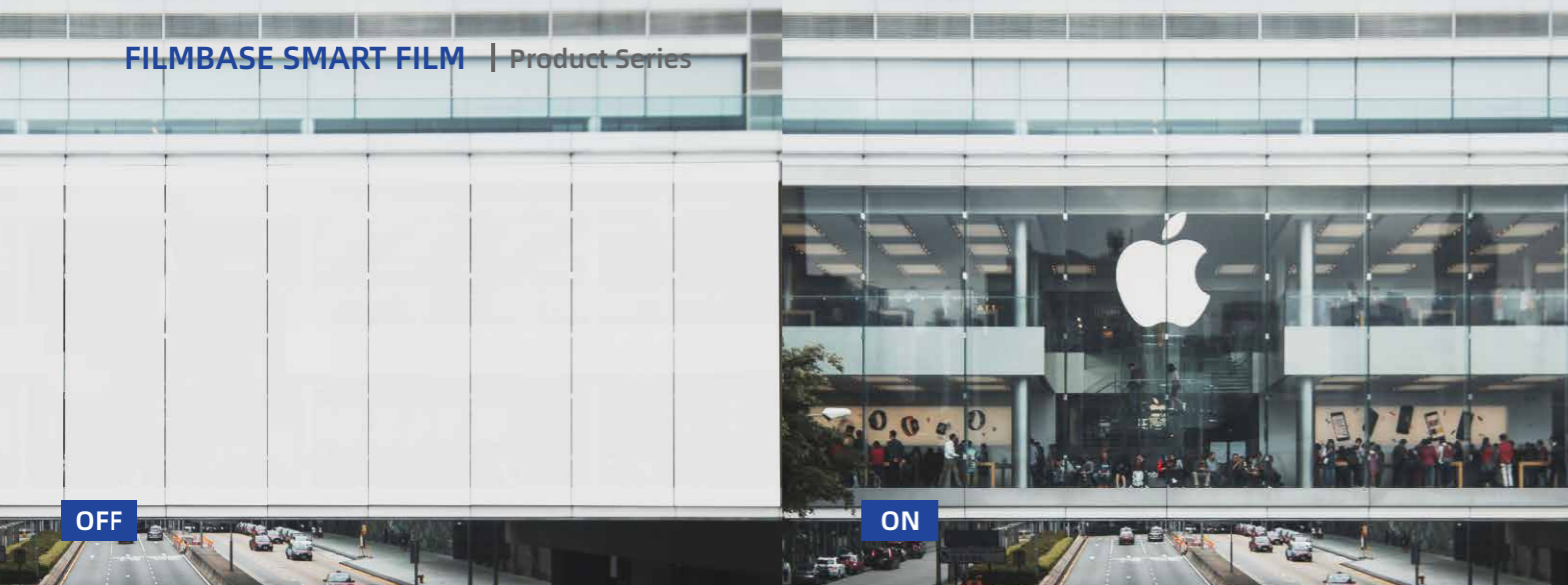
91-92% high transmittance smart film

	Self-adhesive	Laminated
Haze (ON)	3%±1	2%±1
Haze (OFF)	95%±1	95%±1
Total light transmittance (ON)	91%-92%	91%-92%
Total light transmittance (OFF)	69%-75%	69%-75%
UV block	>99%	>99%
IR block(OFF)	>85%	>85%
Power consumption	4W/m ²	4W/m ²
Voliage	AC60V	AC60V
Operating temperature	-20°C~70°C	-20°C~70°C

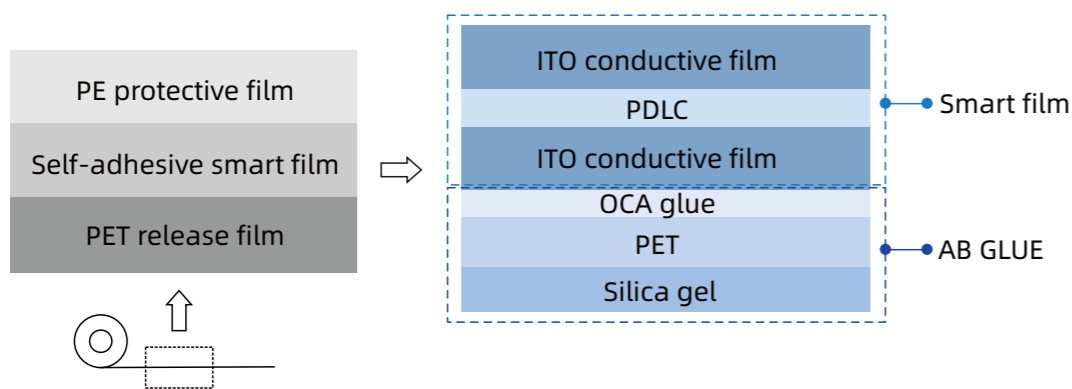
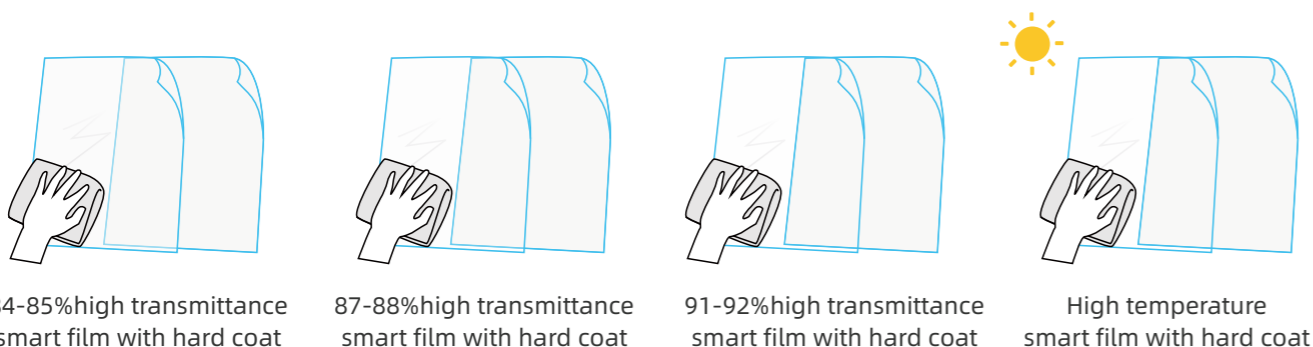
Product Parameters

High temperature smart film

	Self-adhesive	Laminated
Haze (ON)	3.2%±1	3%±1
Haze (OFF)	95%±1	95%±1
Total light transmittance (ON)	84%-85%	84%-85%
Total light transmittance (OFF)	60%-71%	60%-71%
UV block	>99%	>99%
IR block(OFF)	>85%	>85%
Power consumption	4W/m ²	4W/m ²
Voliage	AC60V	AC60V
Operating temperature	-20°C~105°C	-20°C~105°C



Self adhesive ultratransparency smart film with hard coat



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

Product Parameters

84-85%high transmittance smart film with hard coat

Haze (ON)	3.5%±1
Haze (OFF)	95.6%±1
Total light transmittance (ON)	84%-85%
Total light transmittance (OFF)	78%-79%
UV block	>99%
IR block(OFF)	>85%
Power consumption	4W/m ²
Voliage	AC60V

Product Parameters

87-88%high transmittance smart film with hard coat

Haze (ON)	3.5%±1
Haze (OFF)	95.6%±1
Total light transmittance (ON)	87%-88%
Total light transmittance (OFF)	67%-73%
UV block	>99%
IR block(OFF)	>85%
Power consumption	4W/m ²
Voliage	AC60V
Operating temperature	-20°C~70°C

Product Parameters

91-92%high transmittance smart film with hard coat

Haze (ON)	3.5%±1
Haze (OFF)	95.6%±1
Total light transmittance (ON)	91%-92%
Total light transmittance (OFF)	69%-75%
UV block	>99%
IR block(OFF)	>85%
Power consumption	4W/m ²
Voliage	AC60V
Operating temperature	-20°C~70°C

Product Parameters

High temperature smart film with hard coat

Haze (ON)	3.5%±1
Haze (OFF)	95.6%±1
Total light transmittance (ON)	82%-84%
Total light transmittance (OFF)	60%-71%
UV block	>99%
IR block(OFF)	>85%
Power consumption	4W/m ²
Voliage	AC60V
Operating temperature	-20°C~105°C



Product Size

Gray smart film

Items		
Thickness	Total thickness (without protective film)	0.38mm
	Conductive substrate (single layer)	188μm
	Protective film (single layer)	35μm
Sheet	Width	1250,1500,1800mm
	Length	According to customer requirements
Roll	Width	1250,1550,1800mm
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

Note*: This width is the actual size, the width of the calculated area is 1200,1500,1800 mm

Photoelectric Performance

Gray smart film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 70%	
Response time	OFF→ON	≤ 30ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200ms	
Operating temperature	--	-30°C ~ 95°C	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

Gray smart film is driven by AC power, gray and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

Product Transparency / Haze

Gray smart film

Product	Operating ambient temperature	Full light tester			Parallel light tester		
		ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
Gray laminated Smart film	/	OFF	94.38	21.67	-1.06	/	/
		ON	3.02	24.64	-3.45	15.5	24.5
Gray self-adhesive Smart film	/	OFF	94.24	26.35	0.12	/	/
		ON	3.54	29.85	-2.24	19.7	29.33

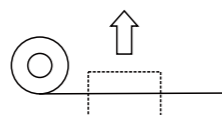
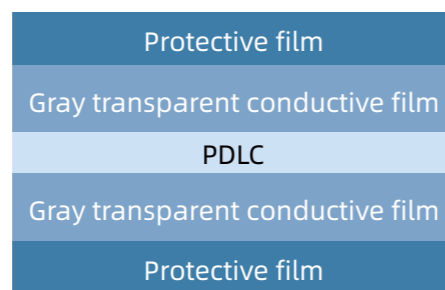
Gray Smart Film

The gray liquid crystal smart film (hereinafter referred to as the smart film) is non-sticky on both sides. It can be closely combined with flat glass through EVA film to make gray smart laminated glass; it can also be pasted with AB glue on one side to make a self-adhesive gray smart film.



Laminated

Self-adhesive



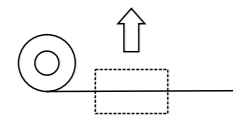
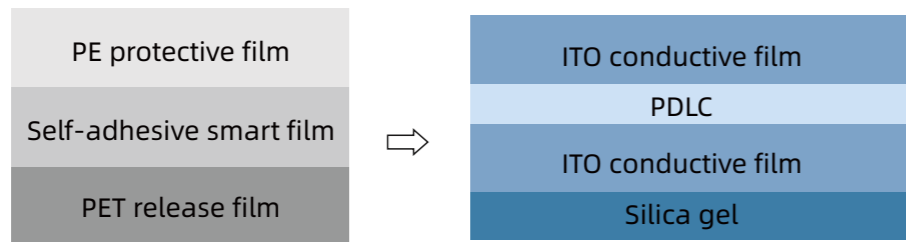
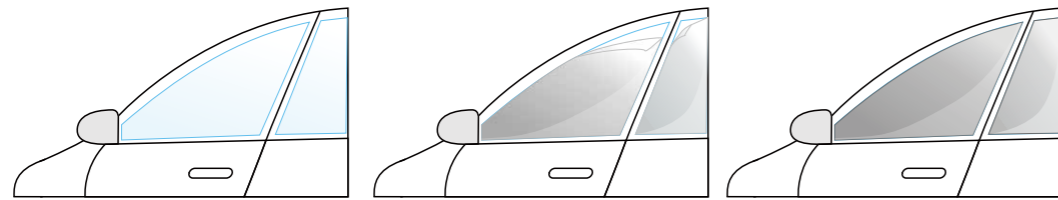
(Color and thickness do not represent the actual situation, only for the convenience of illustration)



Auto Smart Film

Auto smart film is a smart film product developed by our company on the basis of the first generation of smart film, using special substrates and wide temperature liquid crystal materials, and specially developed for automotive use conditions.

Note: Auto Smart Film requires water to assist with application.



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

Product Size

Auto smart film

Items		
Thickness	Total thickness (without protective film)	0.13mm
	PDLC	0.12mm
	Silica gel	0.01mm
	PE protective film	130μm
	PET release film	50μm
Sheet	Width	1200,1500 ¹ *mm
	Length	According to customer requirements
Roll	Width	1250,1500 ² *mm
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

Note*: This width is the actual size, the width of the calculated area is 1200,1500, mm

Photoelectric Performance

Auto smart film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	48V	Multimeter/ Voltage Regulator,WGW
Power consumption	ON	≤ 5W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	≥ 160°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 82%	
Response time	OFF→ON	≤ 30ms	Liquid crystal parameter integrated tester
	ON→OFF	≤ 200ms	
Operating temperature	--	-30°C ~ 95°C	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

Auto smart film is driven by AC power, gray and transparent when power is added, and fogged and translucent when power is removed, and its photoelectric performance is shown in the table above.

Product Transparency / Haze

Auto smart film

Operating ambient temperature	Transparency	Full light tester				Parallel light tester	
		ON/OFF	Haze	Full light transmittance	b value	45° light	Parallel light
/	/	OFF	94.2	51.19	5.24	/	/
		ON	2.94	56.43	3.2	38.4	55.26



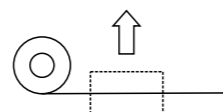
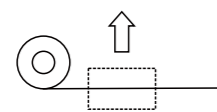
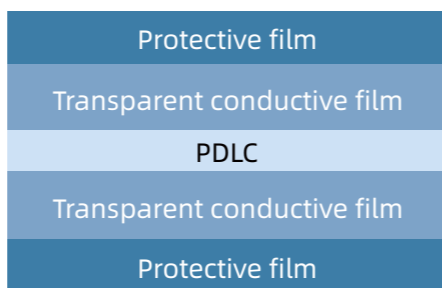
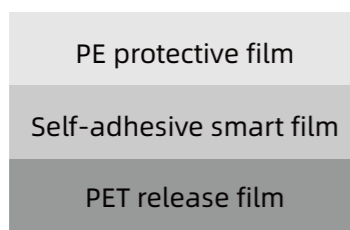
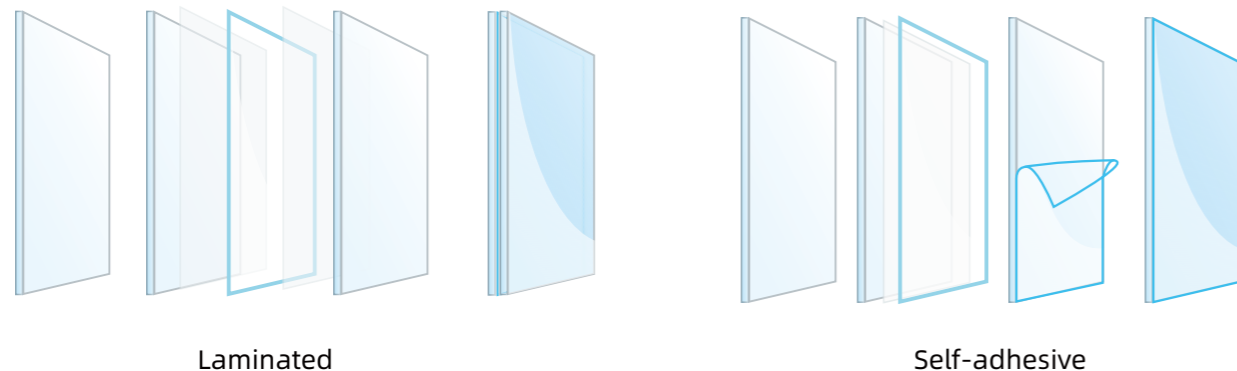
Product Size

PNLC Smart Film

Items		
Thickness	Total thickness (without protective film)	0.38mm
	Conductive substrate (single layer)	188μm
	Protective film (single layer)	35μm
Sheet	Width	1450mm
	Length	According to customer requirements
Roll	Width	1450mm
	Length	≤ 50m/Roll
Roll tube	Inner Diameter	6 inches

PNLC Smart Film

PNLC smart film, also called adverse PDLC film. Different from normal PDLC smart film, the working principle of PNLC film is opaque-power on, clear power off.



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

Photoelectric Performance

PNLC Smart Film

Items	ON/OFF		Test Methods/Standards
Operating voltage	ON	60V	Multimeter/ Voltage Regulator, WGW
Power consumption	ON	avg 4-6W/m ²	Multi-parameter electric measuring instrument
Viewing angle	ON	160°+1°	Visual Inspection
Uv blocking rate	OFF	≥ 99%	Optical transmittance tester
Infrared blocking rate	OFF	≥ 85%	
Response time	ON	≤ 200ms	Liquid crystal parameter integrated tester
	OFF	≤ 220ms	
Operating temperature	--	-20°C ~ 90°C	constant temperature and humidity testing machine
Lifetime	--	10 -15 years	GB18910.5-2008
Switching times	--	≥2 million times	Self-made on/off tester

PNLC smart film is driven by AC power, fogged and translucent when power is added, colorless and transparent when power is removed, and its photoelectric performance is shown in the table above.

Product Transparency / Haze

PNLC Smart Film

Product	Operating ambient temperature	Full light tester			Parallel light tester	
		ON/OFF	Haze	Full light transmittance	45° light	Parallel light
PNLC Smart film	/	OFF	3	88	/	88.1
		ON	95	65	11	3.5

Customized Service

At present, Filmbase has three different styles of color smart film, smart blinds film and UV printing smart film for customization, which can meet the needs of different groups of people in various situations.



| Color PDLC Film

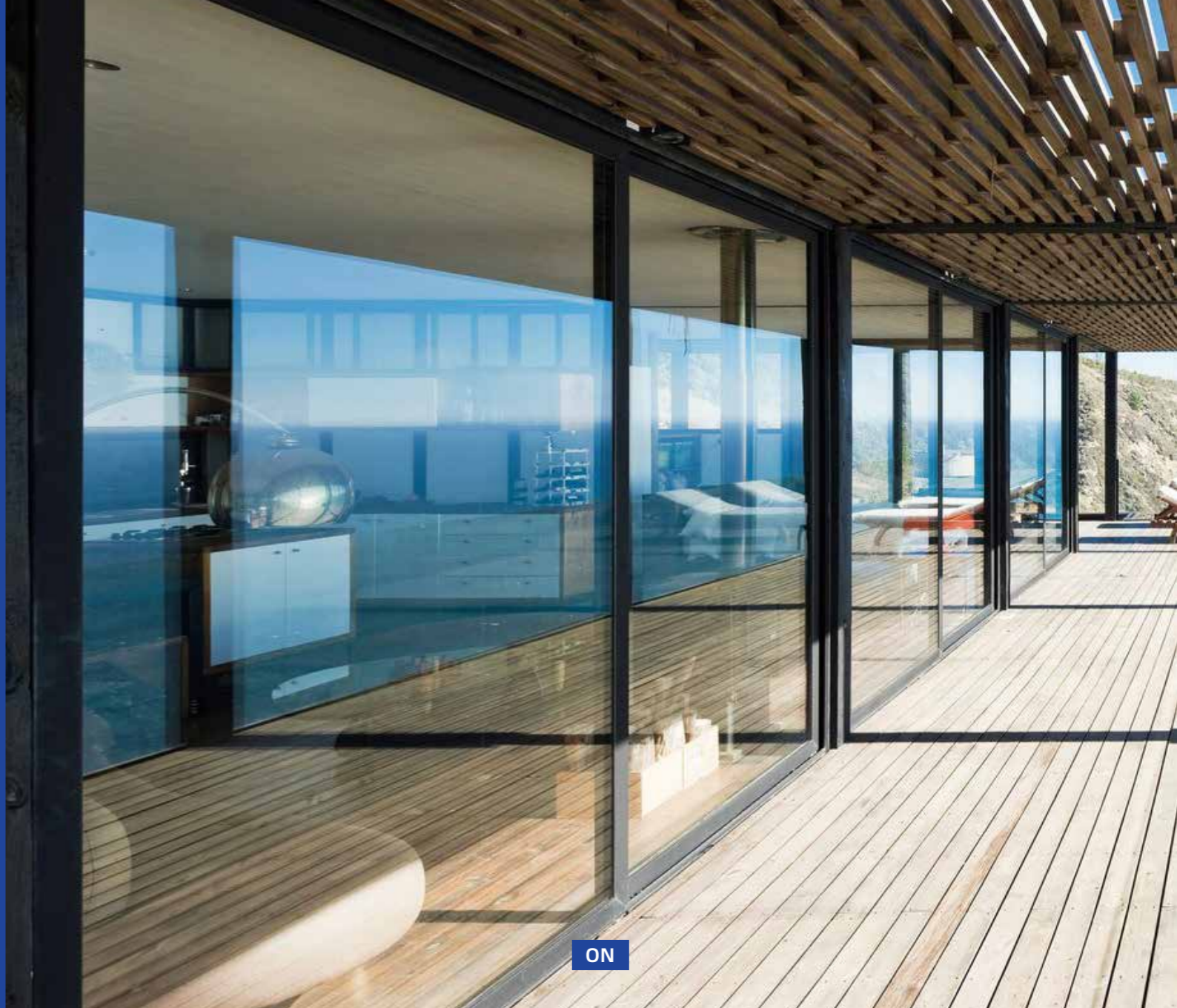
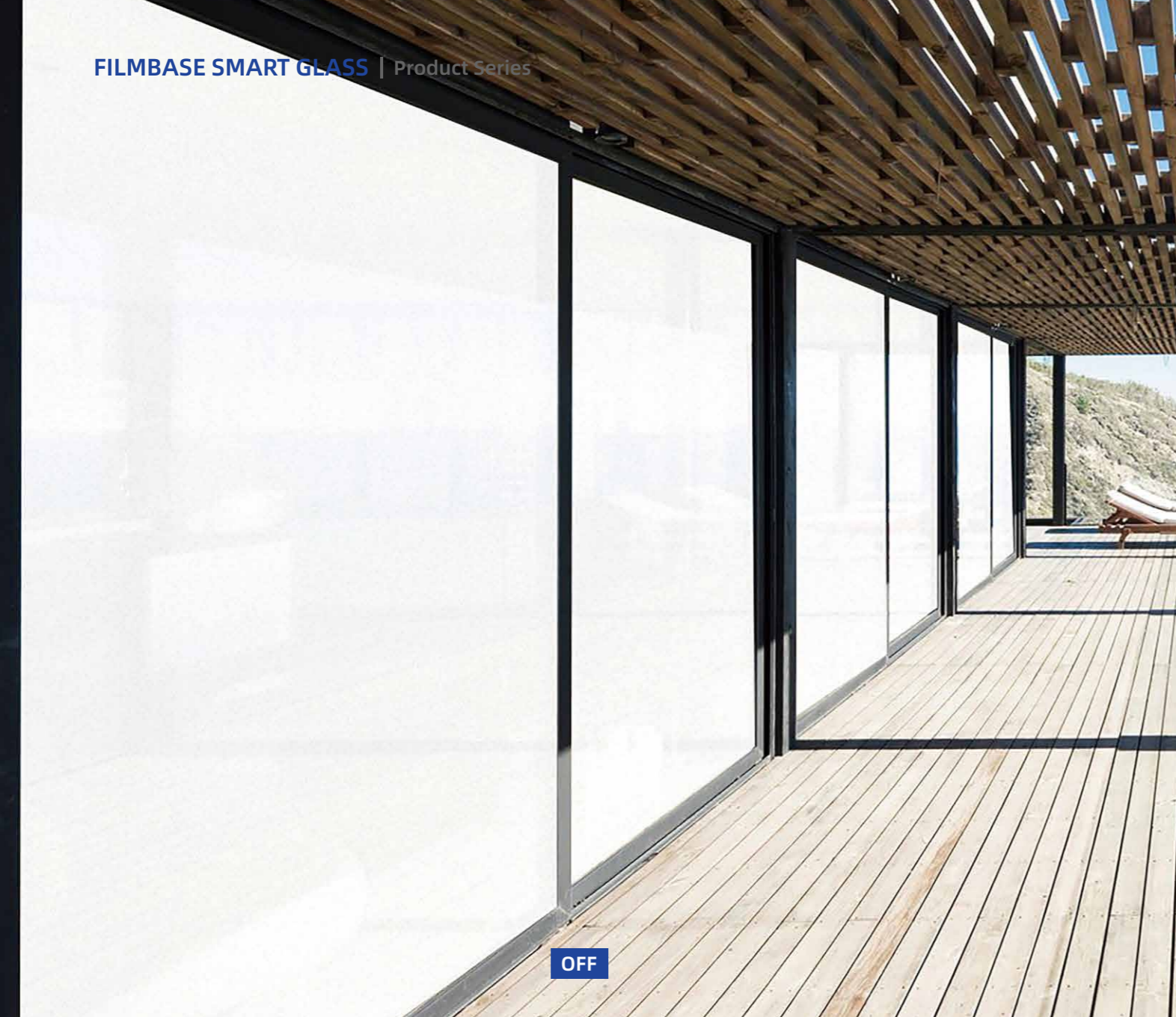
In order to meet the demand of different people, there we push the Color PDLC Film. There are black, grey, green, orange, red, blue for option to decorate wherever you want and enhance the privacy at the same time.

| Blind PDLC Film

professionals with new shading solutions that were never possible before, which enables us to embed liquid crystal films in various shapes into thin glass windows and create in-window blinds that can be controlled to achieve different levels of transparency, opening animation and support for unconventional window shapes.

| Custom-design PDLC Film

Filmbase UV Printing Film use UV printing technology to print any patterns you want. Compared with normal smartfilm, it brings unique visual experience which both provide privacy and decorative nature.



02

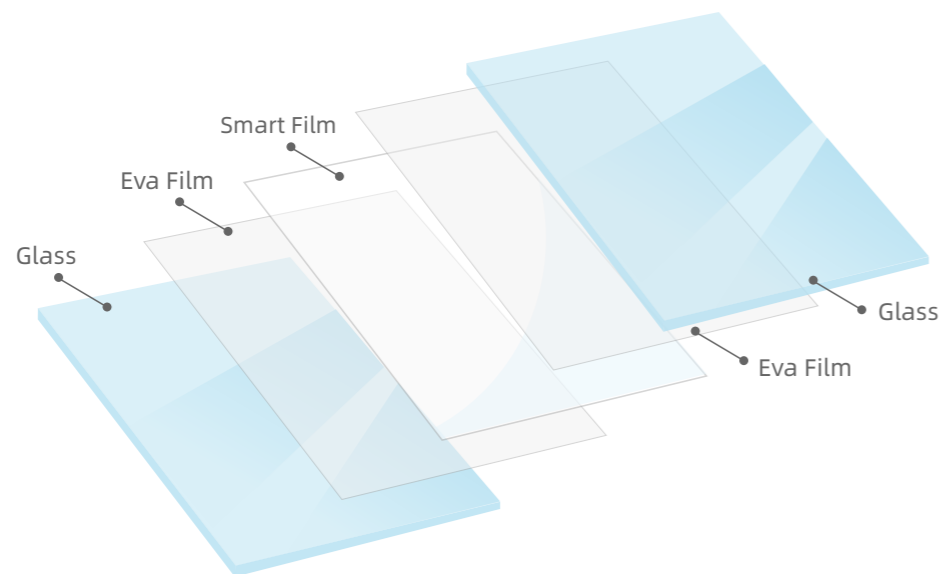
Smart Glass Product Series

Widely used in offices, hotels, banks, hospitals, shops, clubs, villas and other places.



Smart Glass

Smart glass is a new type of glass with a sandwich structure that combines PDLC film between two layers of glass and is integrally formed after high temperature and high pressure bonding. Through the controller, it can instantly switch between opaque and transparent.



Product Parameters

Smart Glass

Film color	White	Gray
Haze (on)	4%±1	4%±1
Haze (off)	96%±1	91%±1
Light transmittance (on)	82-84%、87-89%、91-92%	33-35%
Light transmittance (off)	77-78%	1-2%
Uv block	>99%	>99%
Ir block	>86%	>70%
Power consumption	5w/m ²	5w/m ²
Input voltage	60v 50hz	60v 50hz
Compatible with	Eva	Eva
Glass types	Flat or Curved,Annealed, Tempered,Clear,Low Iron/Ultra Clear,Other	
Thickness	4+4mm、5+5mm、6+6mm、8+8mm、10+10mm、12+12mm	
Biggest size	2200x6000mm	1800x6000mm



03

LED Glass Product Series

Widely used in glass curtain wall, brand chain store, commercial center, exhibition display, window, space decoration and other places.

About LED Glass

FILMBASE LED Glass is made into a unit module using the Become -In technology, and through the splicing module can form any size LED display, displaying text, image, video and other images.

The screen size, grayscale, color can be adjusted, with multiple expansion of high-tech display products, while having the characteristics of permeability, fashion, beauty, thin and light.

High transparency

Highly transparent HD, without changing the permeability and light of the original location, without affect the image of the building and indoor and outdoor appearance, integrating into the city and life.

Wide viewing angle

160° wide angle display glass screen, so that the product multi-perspective presentation to customers, easy to promote and deepen the impression.

Easy installation

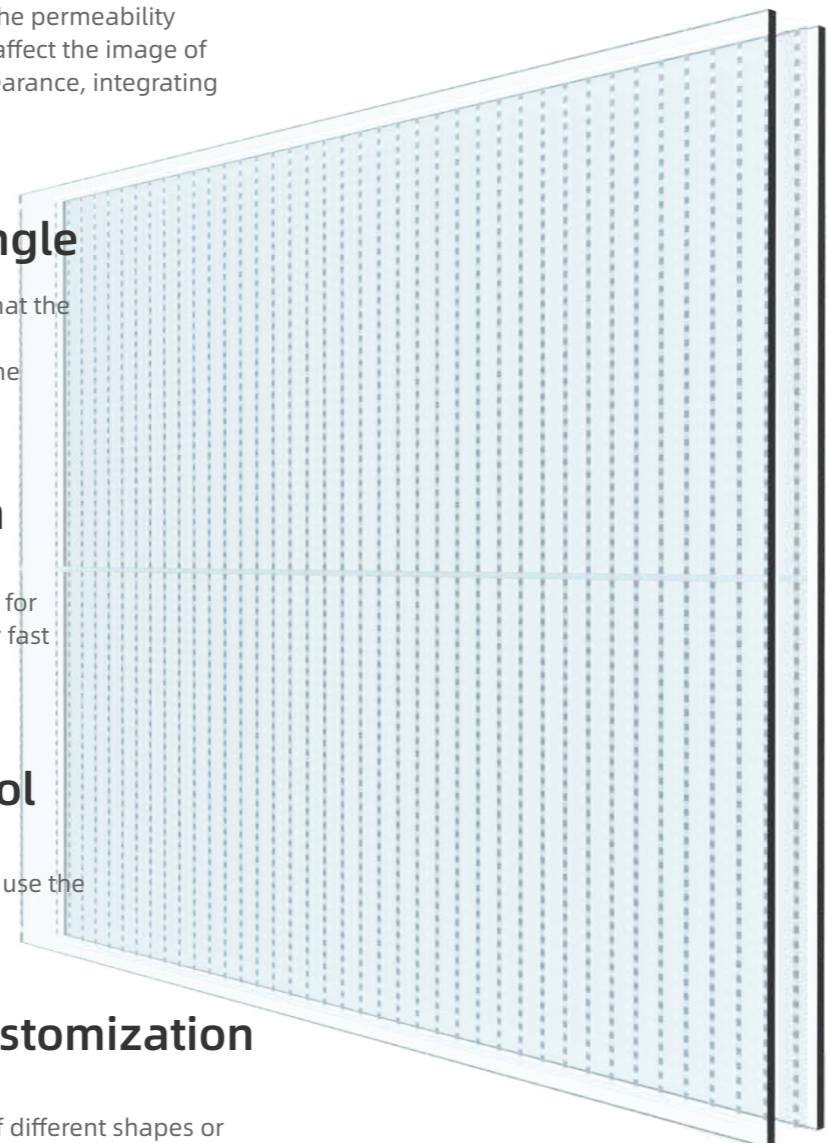
Thin thickness, light total volume, no need for box and steel frame structure, allowing for fast integrated installation.

Intelligent control

It can be portable and more convenient to use the cell phone APP remote control.

Personalized Customization

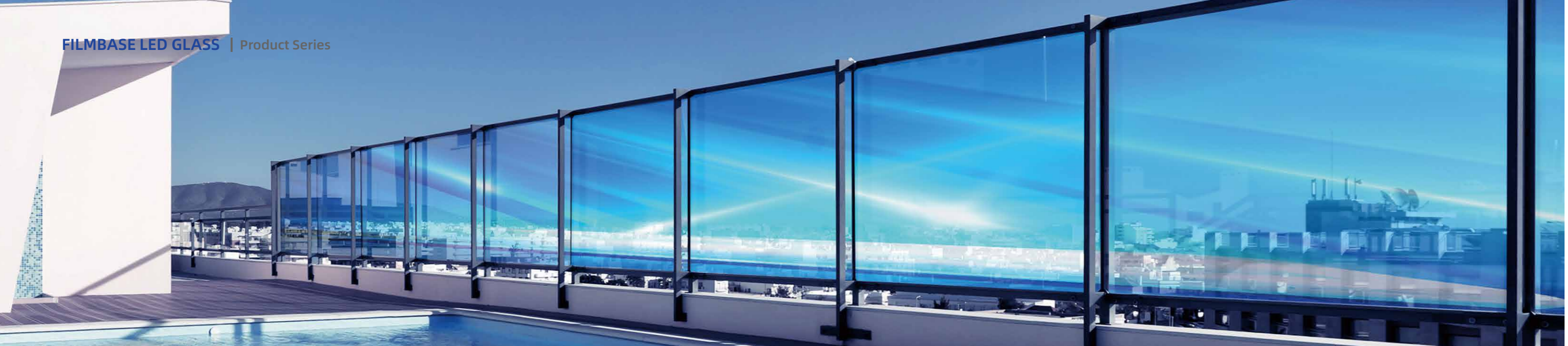
Customized electro-optic glass products of different shapes or curvatures are available for demand. Meet various sizes and shapes of molding applications.



Core Advantages

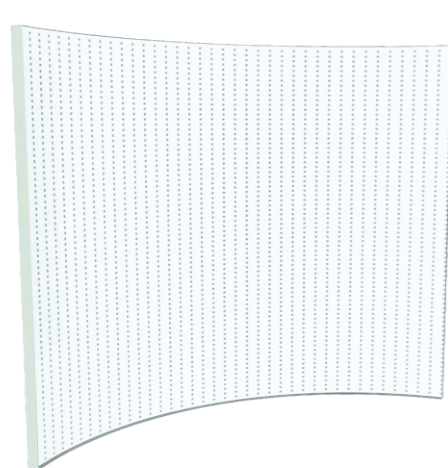
Become -In LED lamp bead light-emitting technology lamp beads and chips into one, for better picture rendering fine industrial design, more stable structure high transparency and high brightness, fine and realistic color.





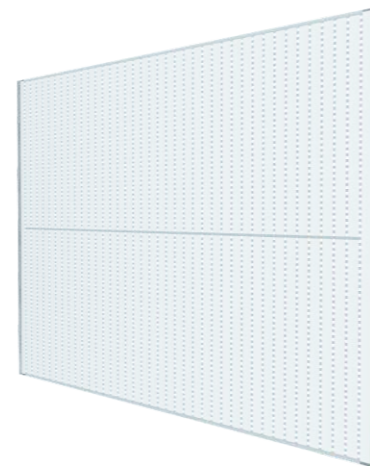
LED Glass transparent display

Using FPCB flexible circuit board, hollow out at least 80% of the area, retain 20% of the area to install LED, and then splicing flexible circuit board to achieve a large area of the light board size, in the large area of the glass laminated light board, made out of the size and thickness can be customized.



Adapting to the arc

Can be cut, bent, and adapted to various sizes and curvatures



Modular design

Easy to install, infinitely scalable

Product Parameters

LED Glass transparent display

	P5	P5*10	P10	P10*20	P20
Brilliant	P5	P5*10	P10	P10*20	P20
Model	TLD-P0505	TLD-P0510	TLD-P1010	TLD-P1020	TLD-P2020
Screen brightness (nits)	MAX15000	MAX10000	MAX8000	MAX6000	MAX5000
Transparency	60%	80%	80%	90%	90%
Pixel pitch(mm)	5.5×5.5	5.5×11	11×11	11×20.8	19.2×20.8
Module (mm)	111×500	111×500	111×500	166.5×500	166.5×500
Pixel density	32400	16200	8100	4320	2496
Best view distance	≥5m	≥7.5m	≥15m	≥23m	≥30m
Average square power	400W	300W	200W	150W	80W
Maximum square power	2400W	1200W	650W	400W	200W
Pixel specification	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel package	SMD2020	SMD2020	SMD2020	SMD2020	SMD2020
Grayscale level	65536	65536	65536	65536	65536
Refresh rate	≥3840	≥3840	≥3840	≥3840	≥3840
Viewing angle	≥160°	≥160°	≥160°	≥160°	≥160°
Control system	NOVA	NOVA	NOVA	NOVA	NOVA
Operating voltage	+5VDC	+5VDC	+5VDC	+5VDC	+5VDC
Screen material	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass
Working temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Storage temperature	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C
Working humidity	10-90%	10-90%	10-90%	10-90%	10-90%
Storage humidity	5-95%	5-95%	5-95%	5-95%	5-95%
Brightness adjustment	65536 levels*32 times brightness gain				

*Note: The Specifications are for reference, actual values may vary.
The Weight about 30kg/square (12mm thickness LED GLASS)
It is normal for the defective rate of lamp beads to be less than or equal to 1/10000



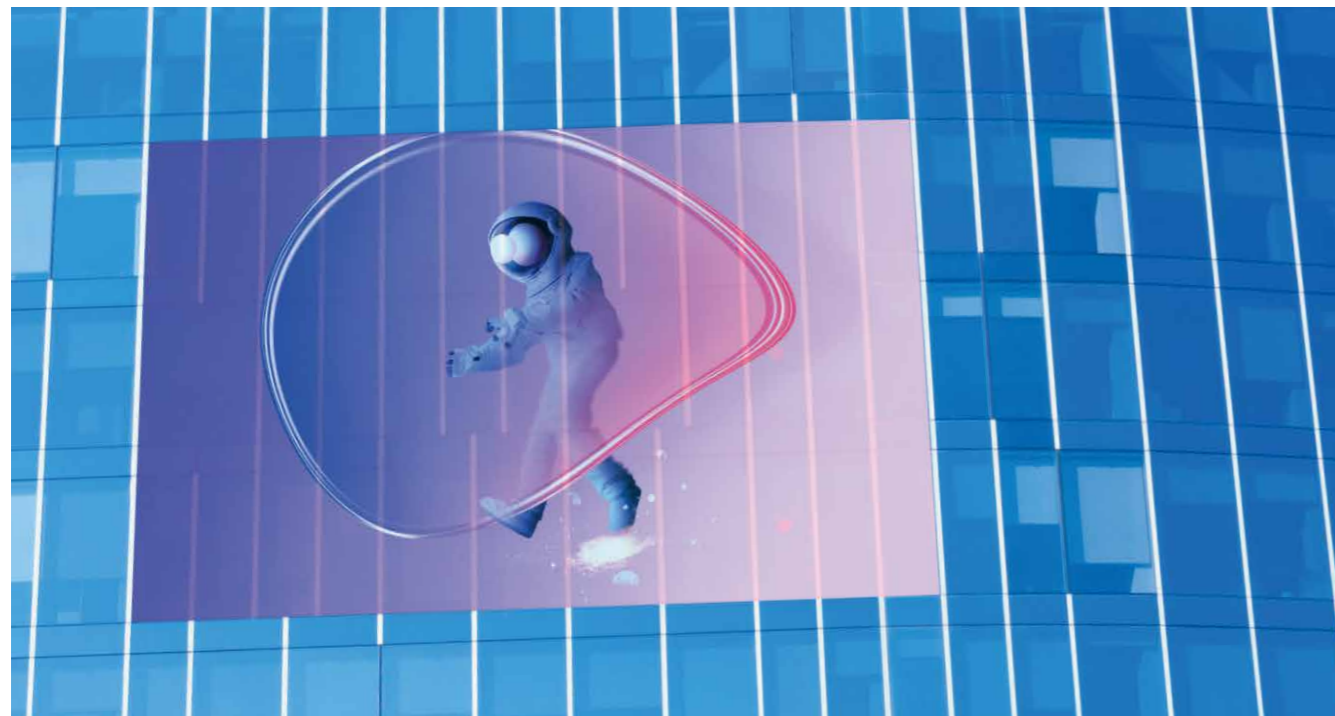
More realistic 3D effects

FILMBASE Brilliant 3D led Glass For architectural wall advertising large screen, present more realistic 3D effect. Full spectrum luminous technology and air duct cooling technology, brightness up to 10000nits, ensures higher definition and transparency during daytime.



Preferred window LED glass display for high-end commercial stores

High-end technology display glass will enhance the style of your store. Suitable for auto 4S stores, luxury jewelry stores, hotels and other places.



More innovative advertising, higher business value

High rise building in large cities have become ideal candidates for Micro-LED Transparent Glass. Essentially, the building becomes a three-dimensional photoelectric advertisement carrier.



New landmark, infinite possibilities

LED Glass can be turned into an interactive video canvas, with transparency. Our architectural grade glass and embedded LED technologies are bridging the gap between physical and digital experiences.



04

0.2mm Ultrathin Transparency Display

Widely used in exhibitions, museums, supermarkets, science and technology museums, stage beauty, city lighting, cultural tourism night tours, etc.

About 0.2mm UTD

Filmbase 0.2mm 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.

The double sides projection 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.



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.



High performance and low cost

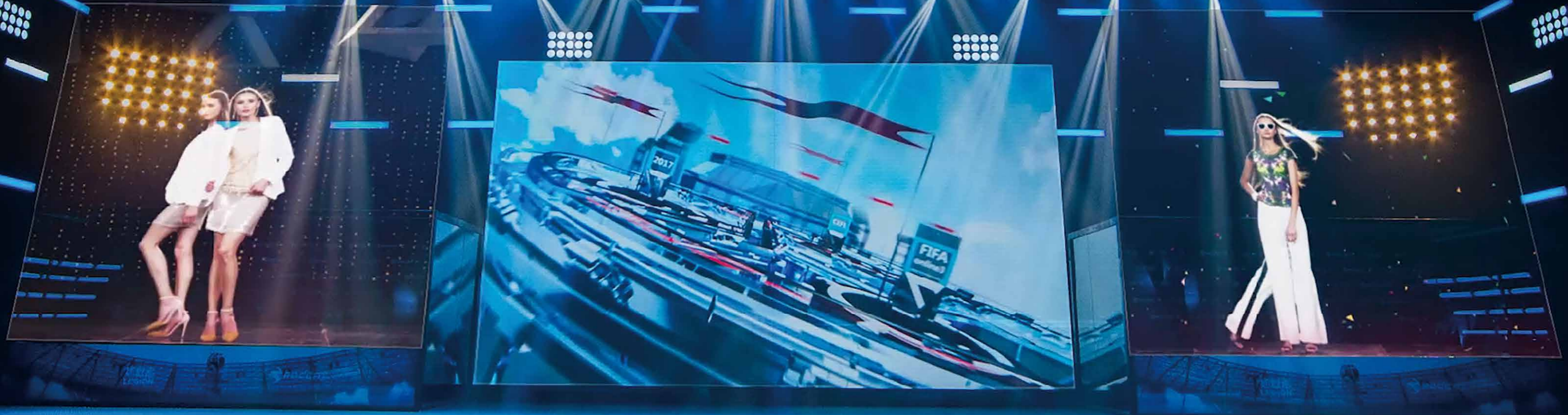
The existing 3D transparent and AR display technologies on the market all require high costs, while Filmbase double sides projection film is a perfect combination of high performance and low cost.



Commercial value

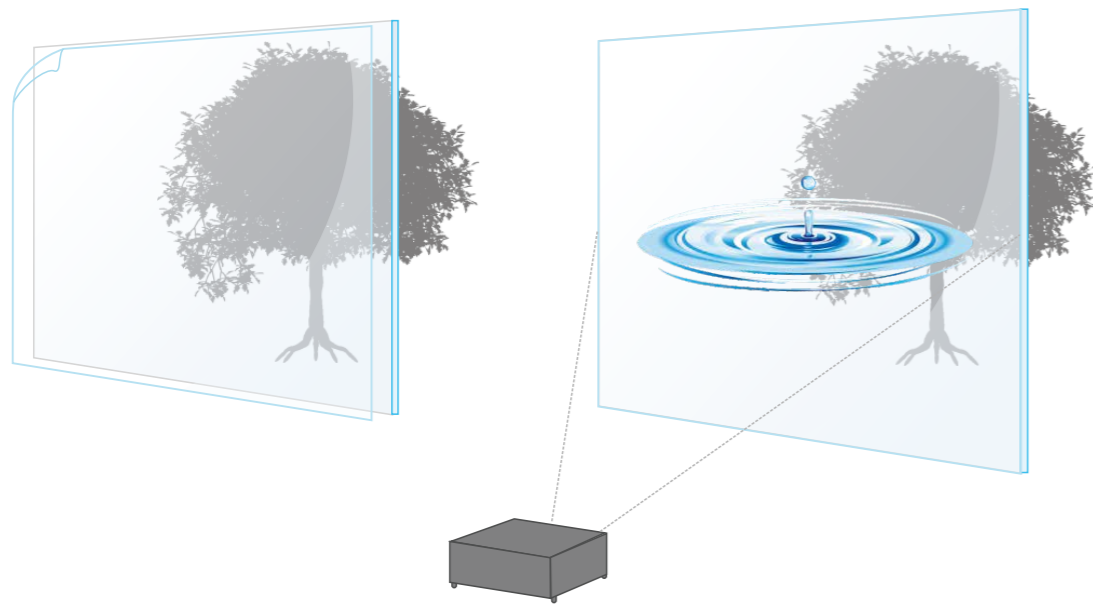
It can be widely used in major industries, corporate exhibition halls, retail stores, exhibition halls, cultural tourism night tours and other scenarios. Through the high technology of double sides projection film, it quickly attracts customers and generates a larger market.





0.2mm ultrathin transparency display

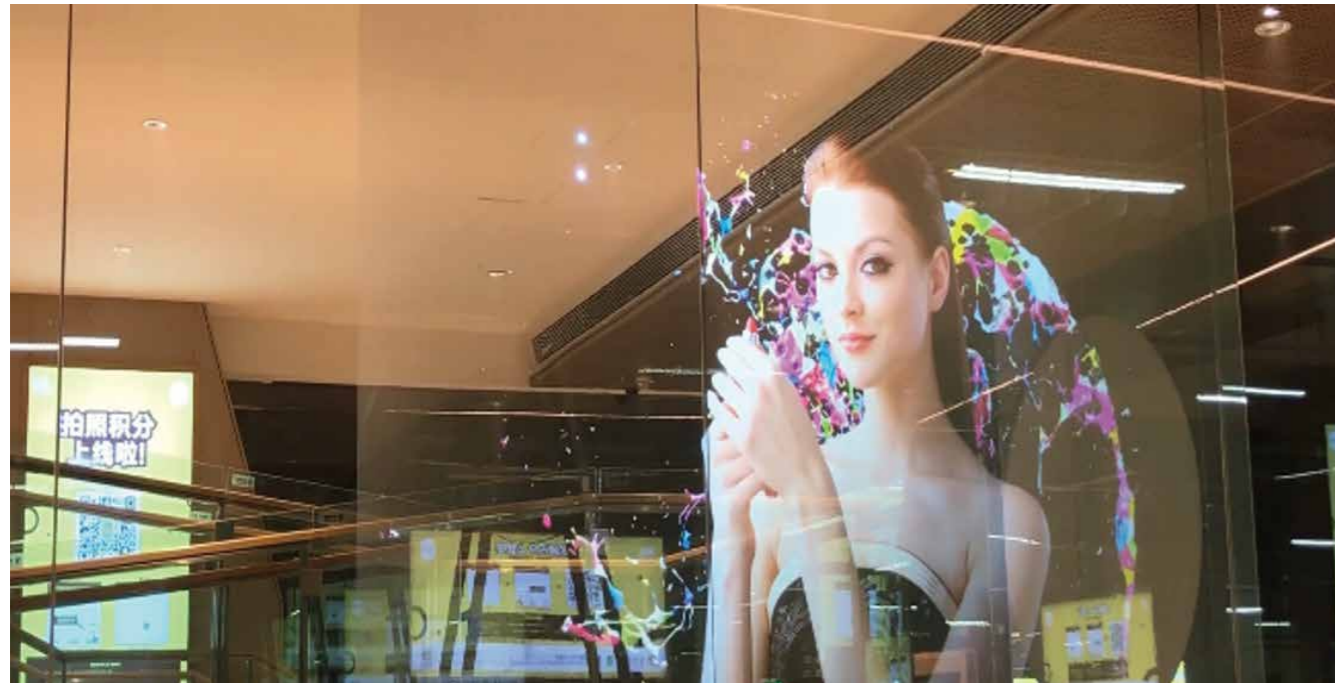
FILMBASE 0.2mm ultrathin transparency display is a new projection medium, which is more transparent than traditional screens. The image can be suspended in the air to produce a hazy and magical visual effect;



Product Parameters

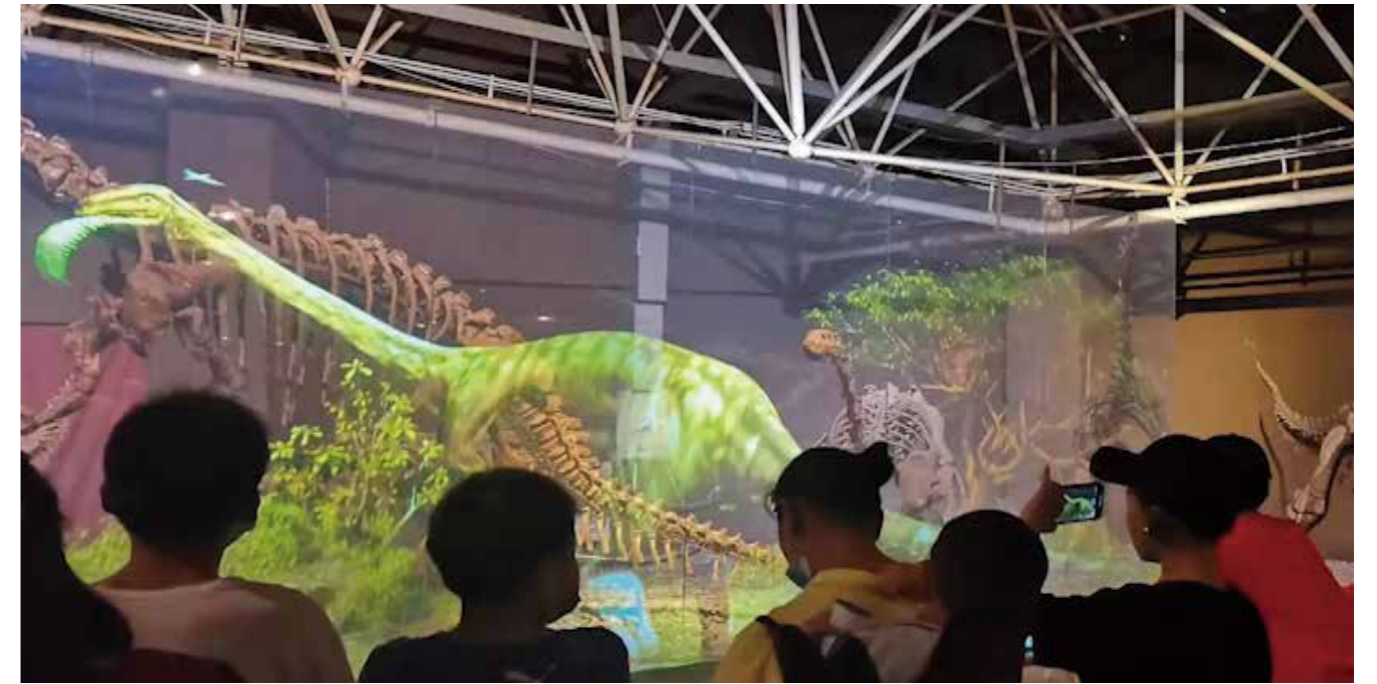
0.2MM UTD

Technical Parameter	0.2mm UTD
Thickness	0.2mm
Width	1200mm
Haze	<2.0%
Viewing angle	170°
Transmittance	>70%
Operating temperature	-20°C~60°C
Storage temperature	-30°C~60°C
Storage humidity	35%-75%
Resolutions	up to 8k



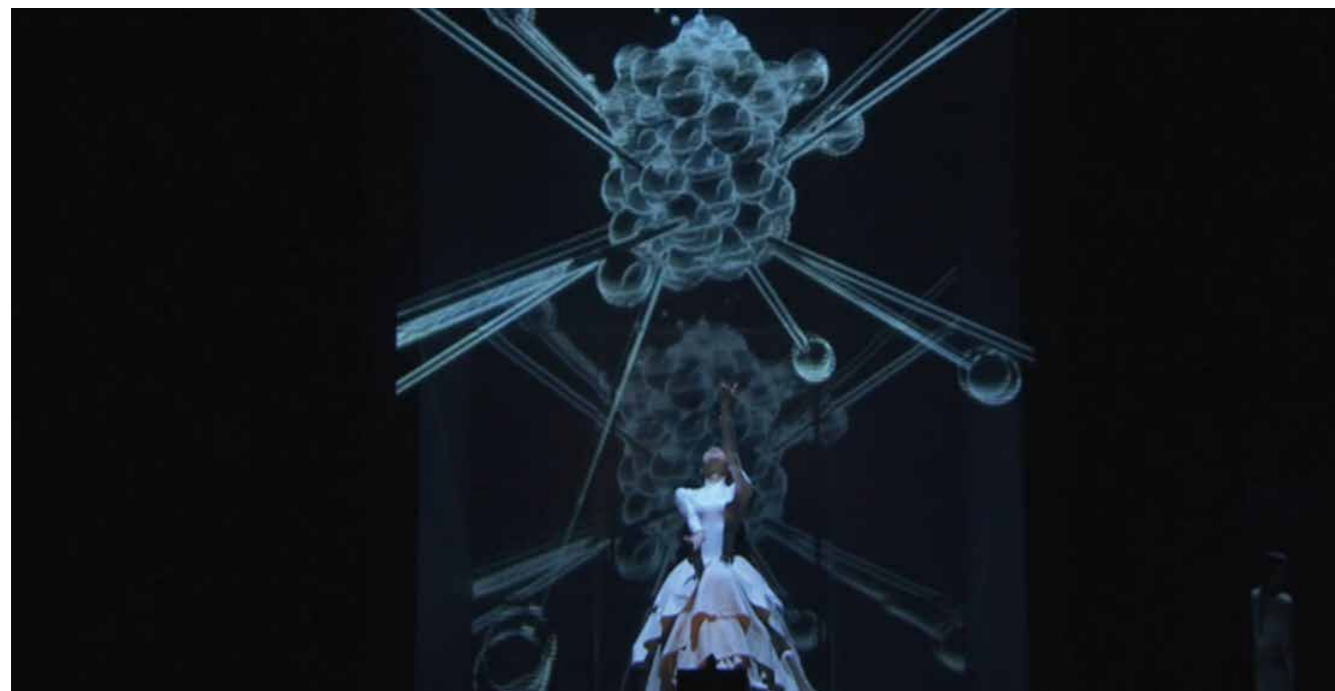
Add high-quality advertising space to create business value

Double sides projection film display technology provides transparent display solutions for corporate exhibition halls, museums/technology exhibition halls, commercial retail stores and other scenarios. The cool technological effects enhance the strength of the exhibition hall, user experience and publicity effects, and bring value-added revenue.



Travel through time and let ancient artifacts tell their own stories

It solves the problem that cultural relics and exhibits can only be displayed statically and cannot display dynamic images at the same time. The new visual experience combined with the earphone explainer brings visitors a full range of audition experience and brings value-added revenue to the exhibition hall.



More dazzling stage dance

The photon transparent chip display technology, fully transparent and high-definition, brings a new immersive experience to the audience, which can unleash the imagination of dance beauty producers and give birth to a larger dance beauty night tour market.



Projection 3D effect is more shocking

Presenting various immersive, sci-fi, and futuristic scenes in sci-fi blockbusters in a real environment. Transparent display of light and shadow images, phantom imaging, more realistic and more convenient, to achieve real light field display.



05

Smart Curtain Product Series

Blue Smart Curtain | White Smart Curtain

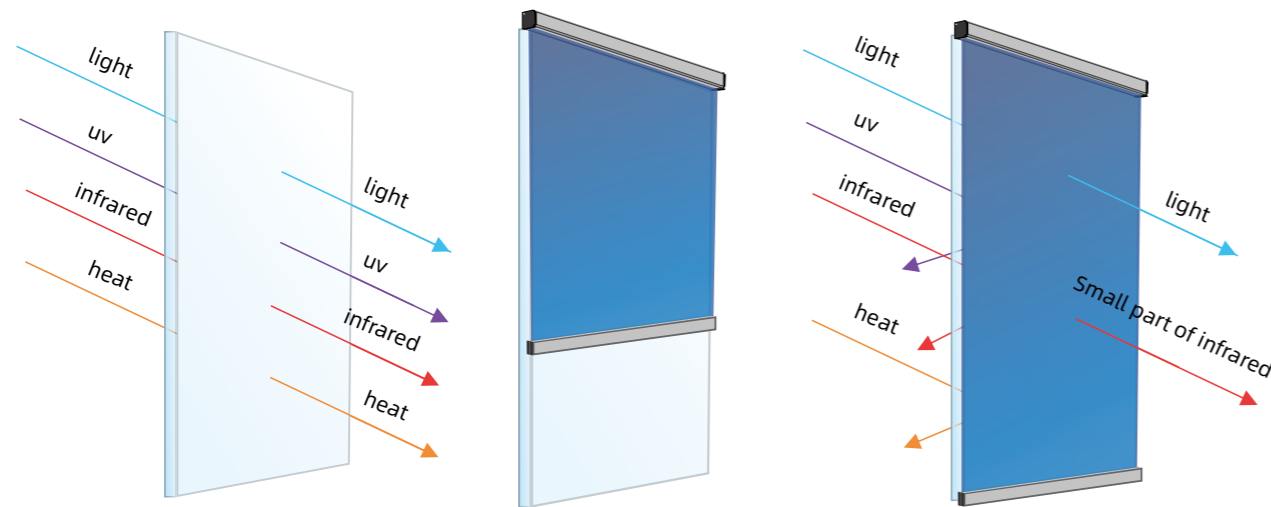
Widely used in offices, hotels, banks, hospitals, shops, clubs, villas and other places.

About Smart Curtain

The smart curtain uses a kind of high-tech fabric, which is different from the existing curtain fabric. The flexible film is combined with the technology of high-efficiency light induction, magnetron sputtering, and nano-film inner lamination.

Smart curtain is a higher-end and more technological alternative to traditional curtains. Widely used in: offices, airports, buildings, clubs, schools, sun rooms, government agencies, banks, etc. scenes that require curtain boxes to shade.

Compared with traditional curtains, it has the advantages of high-end atmosphere, beautiful appearance, heat insulation, shading, UV protection, and more transparent vision. It is a smart film curtain product that subverts the industry.



Safe flame retardant

High-efficiency fire-retardant and flame-retardant materials are used, up to the national standard A-level fire-retardant and flame-retardant grade. Effectively protect personal safety and avoid disasters in advance.

Environmental protection

Smart curtains are made of environmentally friendly materials and have a service life of up to 20 years, which can reduce the replacement of ordinary curtains, thereby protecting the environment.

Transparent field of view

The transparency that does not affect the field of vision ensures that the interior is comfortable and not depressing, and one-way perspective ensures the privacy and safety of home office life.

Sunlight & heat insulation

Smart curtains have good heat insulation effect, the infrared blocking rate can reach more than 95%, and the solar gain coefficient is only 0.2.

Dust and dirt resistant

Anti-static treatment of polymer nanomaterials can effectively resist dust in the air, easy to clean, and can be directly wiped with a cleaning cloth.

Intelligent adjustment

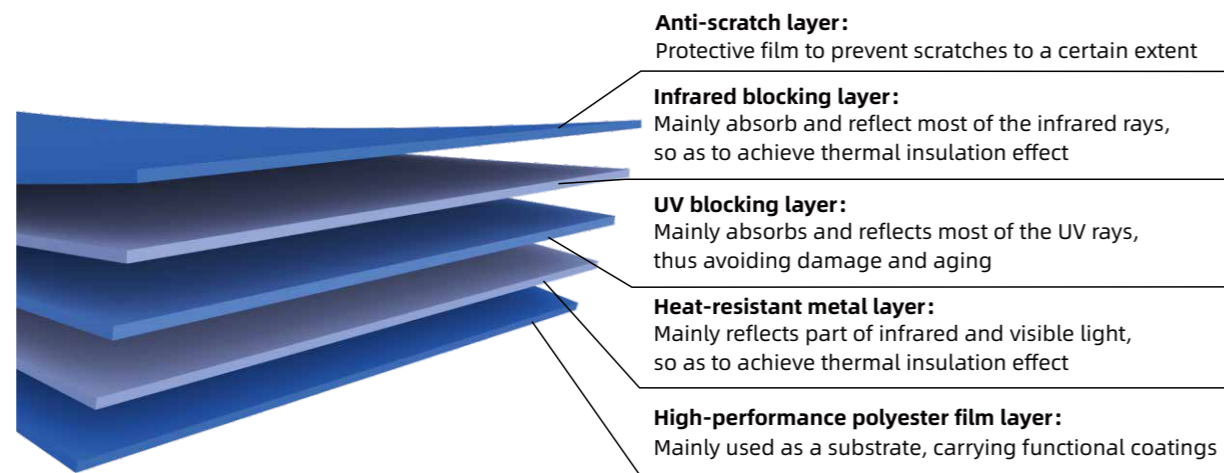
Smart curtains can intelligently adjust their visible light transmittance according to the intensity of sunlight, which can soften the intensity of incident light and reduce glare.



Blue Smart Curtain

Smart Curtain uses a high-tech fabric that combines efficient light sensing, magnetron sputtering and nano-film internal lamination technology.

Compared with traditional curtains, it has high-end atmosphere, beauty, heat insulation, light blocking and UV protection, which is a smart curtain product that overturns the industry.



Product size

Blue Smart Curtain

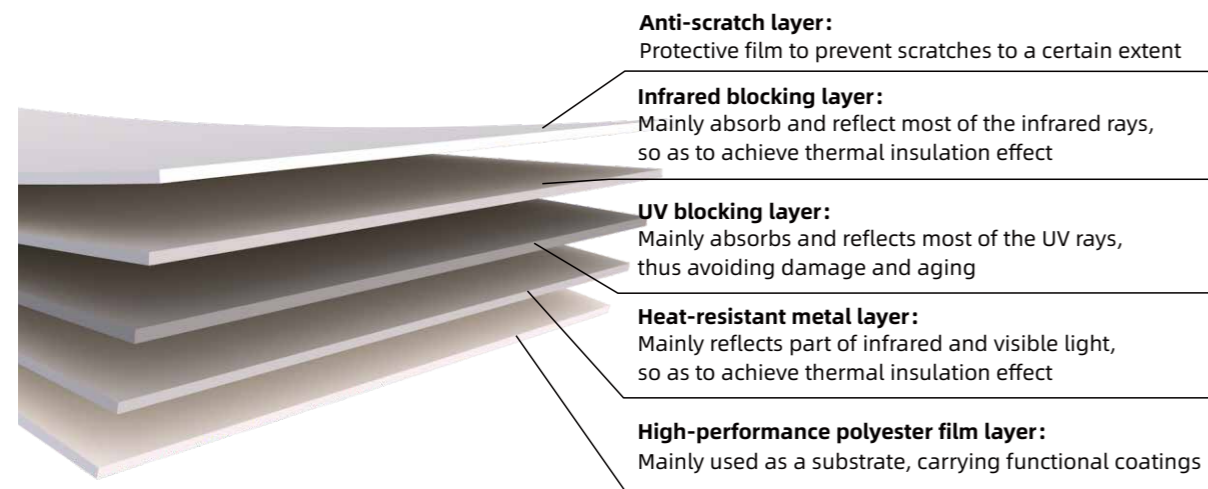
Technical parameters				
The film parameters	Thickness	0.1mm	0.08mm	0.1mm
	Width	Width depending on actual conditions		
	Transmittance	9%	20%	3%
	Infrared blocking rate	92%	82%	95%
	UV blocking rate	99%		
	Flammability rating	B Level	B Level	B Level
	Warranty	5 years		
	Service life	20 years		
Certification		CE、FCC、RoHS		
Input voltage		DC5V		
Power		5W		
Current		0.75A		
Motor parameters	Rotating speed	30r/min		
	Torque	0.3N·m		
	Warranty	5years		
	Service life	8years		
	Certification	CE、FCC、RoHS		
Size		L210×W65×T4mm		
Open circuit voltage		13.5V		
Operating Voltage		12V		
Short circuit current		145mA		
Working current		130mA		
Solar Panel Parameters	Conversion efficiency	19.5%		
	Warranty	3years		
	Service life	20years		
	Certification	CE、FCC、RoHS		
Accessories	Remote control	2 years warranty		
	Power Adapter	2 years warranty		
	Certification	CE、FCC、RoHS		



White Smart Curtain

The smart curtain uses a high-tech fabric that combines efficient light sensing, magnetron sputtering and nano-film internal lamination technology.

Compared with traditional curtains, it has a high-end atmosphere, beautiful, heat insulation, blackout, UV protection, white smart curtains, more transparent visual



Product size

White Smart Curtain

Technical parameters				
The film parameters	Thickness	0.1mm	0.08mm	0.1mm
	Width	Width depending on actual conditions		
	Transmittance	9%	20%	3%
	Infrared blocking rate	92%	82%	95%
	UV blocking rate	99%		
	Flammability rating	B Level	B Level	B Level
	Warranty	5 years		
	Service life	20 years		
	Certification	CE、FCC、RoHS		
	Motor parameters	Input voltage	DC5V	
Power		5W		
Current		0.75A		
Rotating speed		30r/min		
Torque		0.3N·m		
Warranty		5years		
Service life		8years		
Certification		CE、FCC、RoHS		
Solar Panel Parameters	Size	L210×W65×T4mm		
	Open circuit voltage	13.5V		
	Operating Voltage	12V		
	Short circuit current	145mA		
	Working current	130mA		
	Conversion efficiency	19.5%		
	Warranty	3years		
	Service life	20years		
Accessories	Certification	CE、FCC、RoHS		
	Remote control	2 years warranty		
	Power Adapter	2 years warranty		
	Certification	CE、FCC、RoHS		



06

Silent Pod Product Series

Widely used in offices, hotels, banks, hospitals, shops, clubs and other places.

About Silent pod

The flexible and changeable privacy silent pod can satisfy the diversity and creativity of the space. The cabin is composed of aviation aluminum, carbon-plastic composite panels and train glass, and the cabin is constructed with modular sound insulation and shock absorption materials, which can effectively absorb and sound insulation.

Accurate Solidworks software mechanics modeling has invented the reality that only a 90° fastening lock is required for the assembly of the cabin. The built-in low-noise fresh air system quickly renews the cabin air. The 4000K natural light LED central lighting system meets the needs of normal use of light. The blessing of atomized glass enables the cabin glass to be switched between atomized and transparent states at will.



Sound Isolation

Acoustic simulation design accurately predicts and realizes the cabin sound insulation and cabin acoustic environment indicators.



Haptic Radar

Filmbase is equipped with a touch-sensitive radar system to constantly explore the dynamics of the cabin and send execution commands to the electronic control device through scanning data to turn on or off the lighting and ventilation system.



Anti-wear And Environmental Protection

The cabin sound insulation panels are covered with Korean-made nano-PP finishes that are friction-resistant, anti-pollution, anti-ultraviolet, anti-fouling and moisture-proof. The colorful options can be easily integrated into the space.



Atomization sound insulation



Lighting fresh air



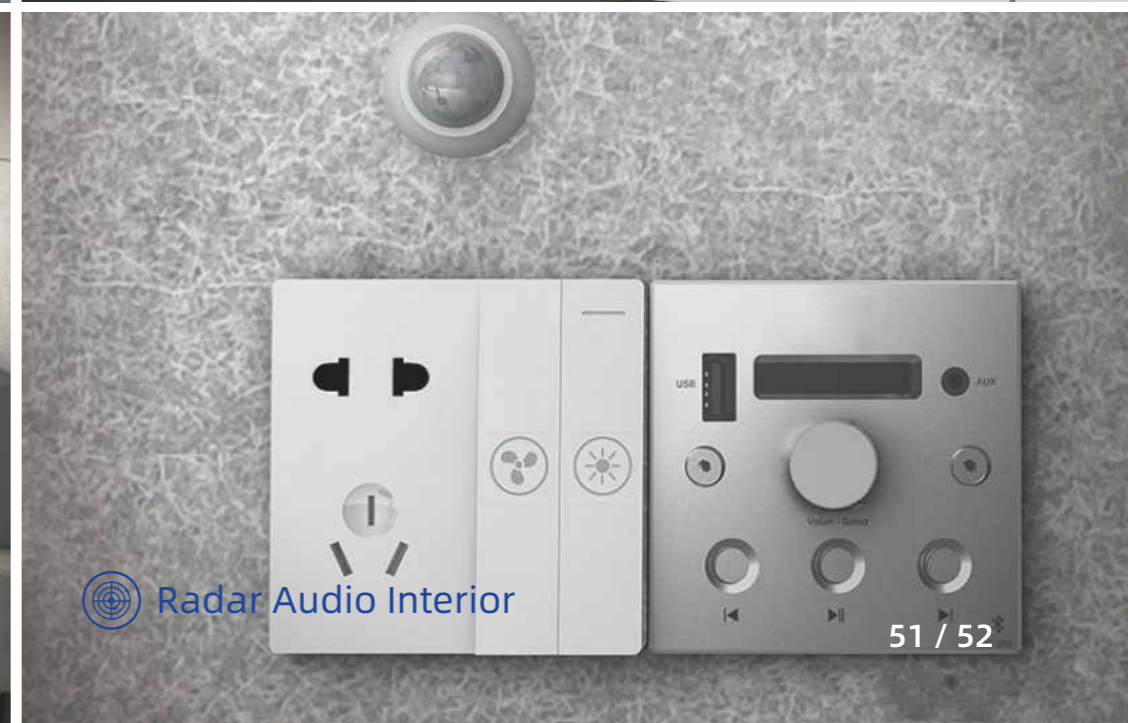
Lock assembly



220V power



Featured Home



Radar Audio Interior

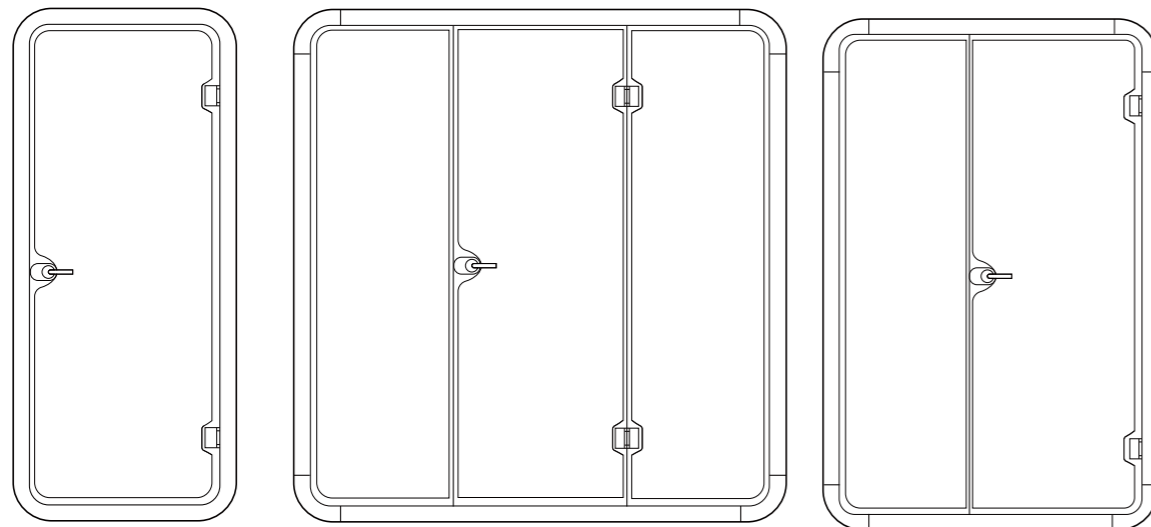


Privacy Silent pod

The privacy silent pod is composed of aviation aluminum, carbon-plastic composite panels and column glass, which can effectively absorb sound.

The built-in matching furniture can be customized and replaceable according to different usage scenes.

Widely used in business office, live broadcast, instrumental music education, medical care and other places.



Product Size

Privacy Silent pod

Model	Size(mm)	Including facility configuration	Weight(kg)
S-F1、S-F2 (Business/Instrument /Study/live/medical)	packing: W2270xD550xH1080 cabin: W1000xD936xH2300 Inside the cabin: W840xD900xH2140	Matching home furnishing, atomizing film	Net weight :302 Gross weight:258
M-F3、M-F4 (Business/Instrument /Study/live/medical)	packing: W2270xD910xH1080 cabin: W1500xD1236xH2300 inside the cabin: W1340xD1200xH2140	Matching home furnishing, atomizing film	Net weight:448 Gross weight:388
L-F6 (Business/Instrument /Study/live/medical)	packing: W2270xD1060xH1080 cabin: W2200xD1536xH2300 inside the cabin: W2040xD1500xH2140	Matching home furnishing, atomizing film	Net weight:648 Gross weight:583
L-F7 (Business/Instrument /Study/live/medical)	packing: W2270xD1190xH1080 cabin:W2200xD2136xH2300 inside the cabin:W2040xD2100xH2140	Matching home furnishing, atomizing film	Net weight:749 Gross weight:680

(Note: 1. According to the cabin series, the included configuration is different.
2. The weight does not include the matching furniture, electrical appliances and equipment)