



Email:
info@smartfilmbase.com

Office HQ:
31F, 3A Building, Smart Park, Baolong,
Longgang, Shenzhen, China

SHENZHEN Factory:
Building 2, 3, Huaqiang Industry Park,
Baolong, Longgang, Shenzhen, China



SMARTFILMBASE.COM

0.2MM ULTRATHIN TRANSPARENCY DISPLAY



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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.



FEATURE



Fully color

Displays vivid, full-color images



Transparent

More than 70% transmittance



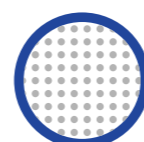
Large view

The field of view is adjustable from $\pm 45^\circ$ to 90°



Low cost

1/3 of OLED transparent display



No haze

Haze <2%



Ultra HD

Support 2K/4K/8K



Flexible

Flexible special shape can be realized to meet various complex scenes

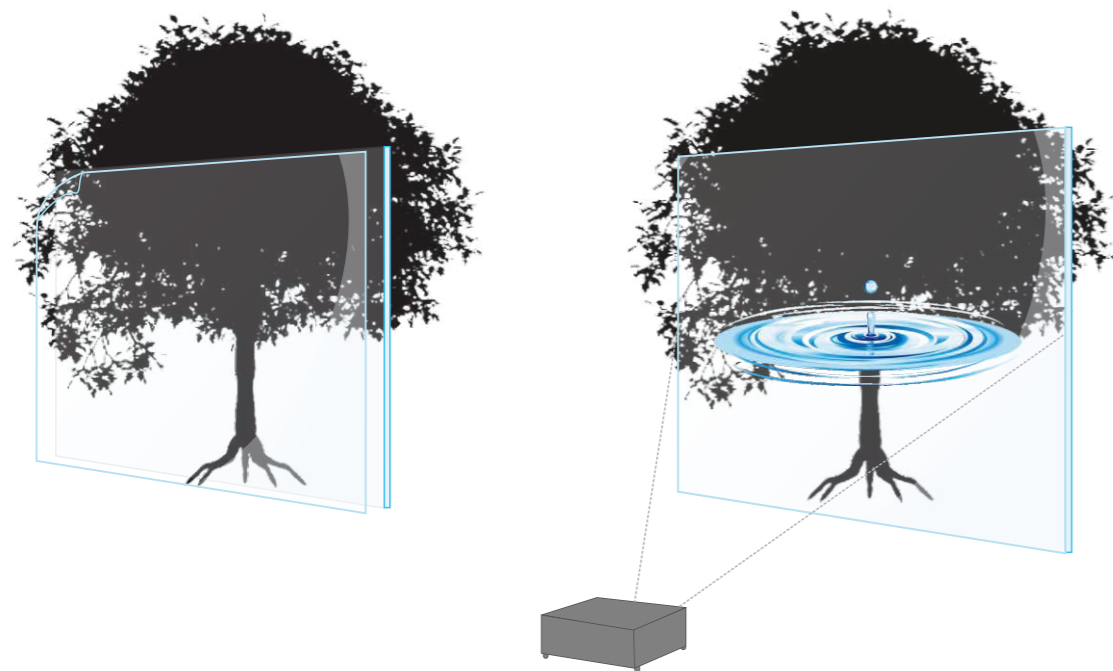


Long lifespan

Vehicle-grade lifespan is 10+ years

TECHNICAL PRINCIPLE

Design a three-dimensional nano-volume holographic optical structure, and use the spatial coherence of light to realize the directional regulation of specific light.



Photonic transparent chip display technology can turn any transparent medium into a high-definition and bright display, such as: glass, acrylic, PC, etc.

Existing transparent and AR display technology solutions cannot balance high performance and low cost, limiting commercial applications.

The product has been mass-produced, and multiple scenarios have been commercialized. The trillion-dollar market has huge space.



SPECIFICATIONS

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	25°C±1°C
Storage humidity	35%-75%
Resolutions	up to 8k

QUOTATION

Product name	Product area/m ²	Unit price(m ²)	Product area/ft ²	Unit price(ft ²)
0.2mm UTD	1-100	US\$699	10-1076	US\$62.91
	101-1000	US\$499	1077-10763	US\$44.91
	1001-10000	US\$399	10764-107639	US\$35.91

APPLICATION SCENARIOS

Photonic glass curtain wall display

Widely used in urban core business circles, outdoor glass curtain walls of office buildings and landmark buildings.



Photonic glass curtain wall display is an overall solution based on photon transparent chip display technology, which makes transparent glass curtain wall transparent to display large screen in seconds.



It does not change the permeability and appearance of the glass curtain wall, nor does it affect the lighting and viewing lines of the glass curtain wall.



Combined with the current market demand for cultural tourism night tours and urban lighting, the glass curtain wall will be turned into a high-definition and bright large screen, and combined with urban publicity, commercial display, night tour economy and other factors to create a new city business card.



Technology + Future Experience Exhibition Hall



Travel through time and let ancient artifacts tell their own stories

Enterprise exhibition halls, government exhibition halls



Exhibition display is an important tool for the government and enterprises to spread culture, popularize science education, display brand and image, and the market demand is huge.



The photon transparent chip display technology is fully transparent and high-definition.



While ensuring visual transparency, it presents a floating display effect and realizes an augmented reality experience shared by many people.



Make various immersive and interactive scenes in sci-fi blockbusters a reality.

Museums, science and technology museums



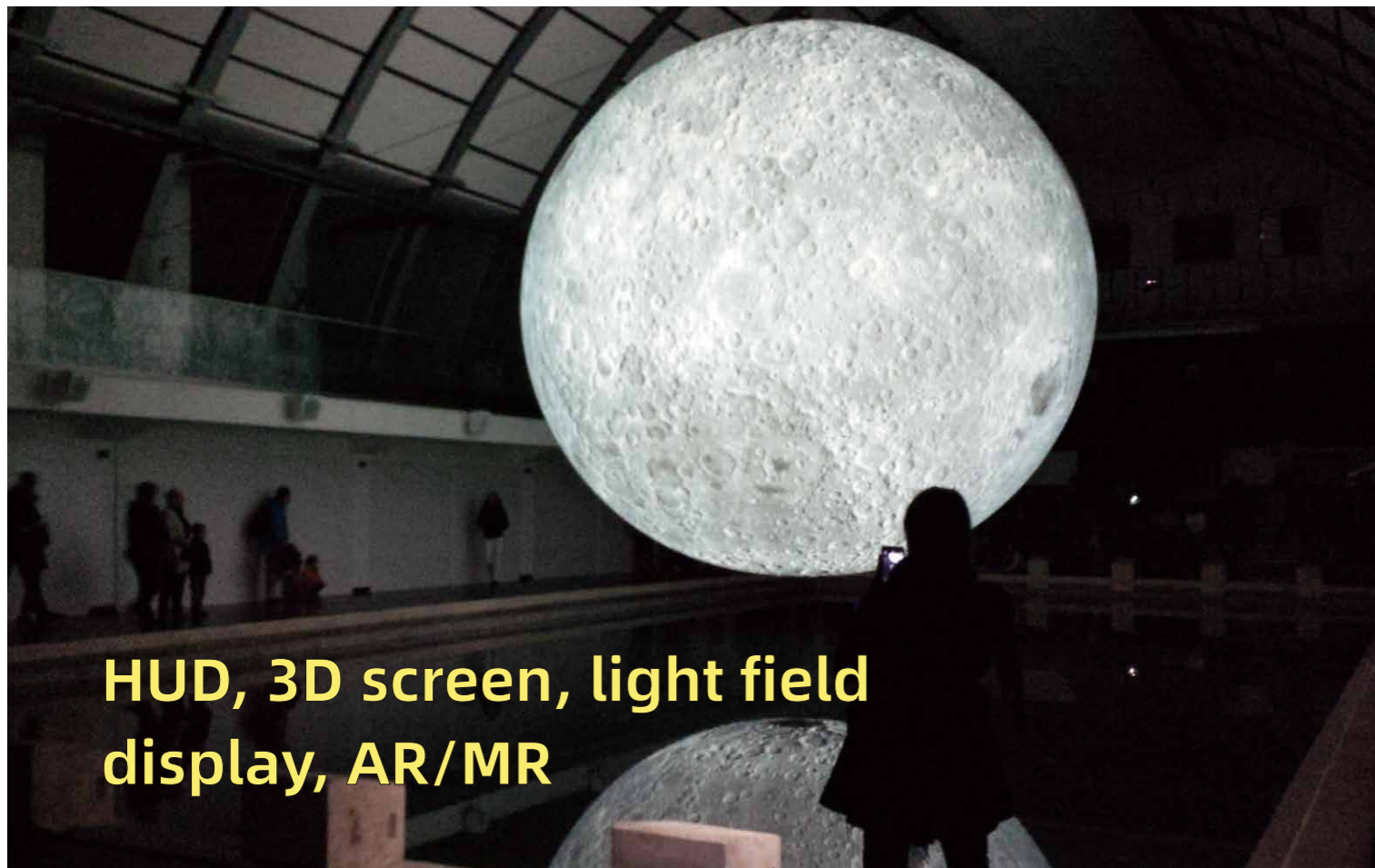
Museum scene solutions, for areas such as the front exhibition hall of the museum, the exhibition hall of cultural relics exhibition cabinets, the open exhibition hall of cultural relics, the multi-functional experience hall of cultural relics education, etc.



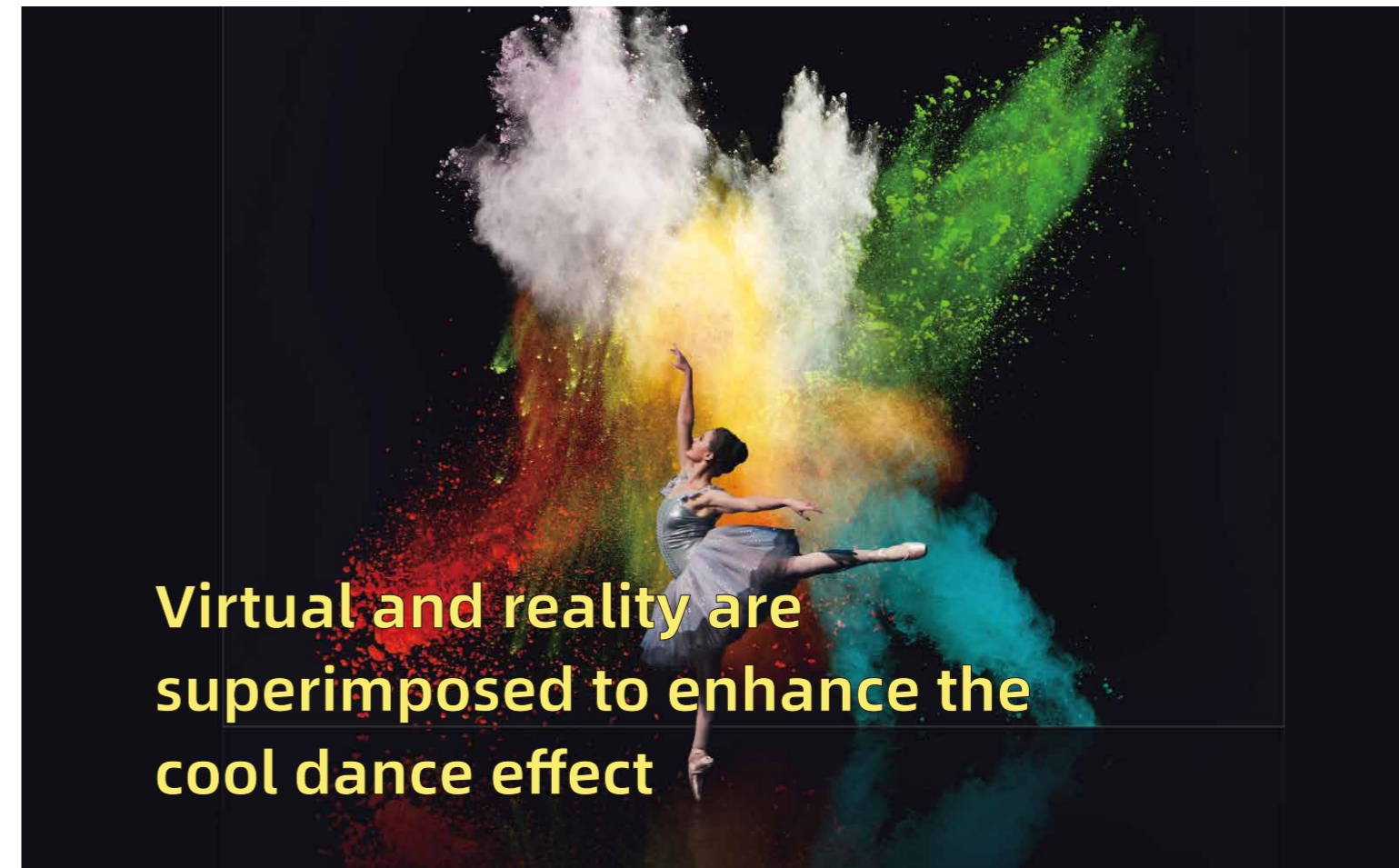
The main products provided are the photon museum AR showcase, photon naked-eye AR display screen, photon virtual welcome, Photon Museum image wall, Photon 3D transparent screen, etc. It solves the problem that cultural relics and exhibits can only be displayed statically and cannot display dynamic images 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.



HUD, 3D screen, light field display, AR/MR



Virtual and reality are superimposed to enhance the cool dance effect

3D screen, car HUD, light field display, AR and other new scenarios



The HUD head-up display application provides a more practical and effective solution for subverting the configuration of the automotive industry.



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.

Stage beauty, city lighting, cultural tourism night tour



Traditional display technology has been widely used in the stage beauty night tour market, and many good works have appeared.



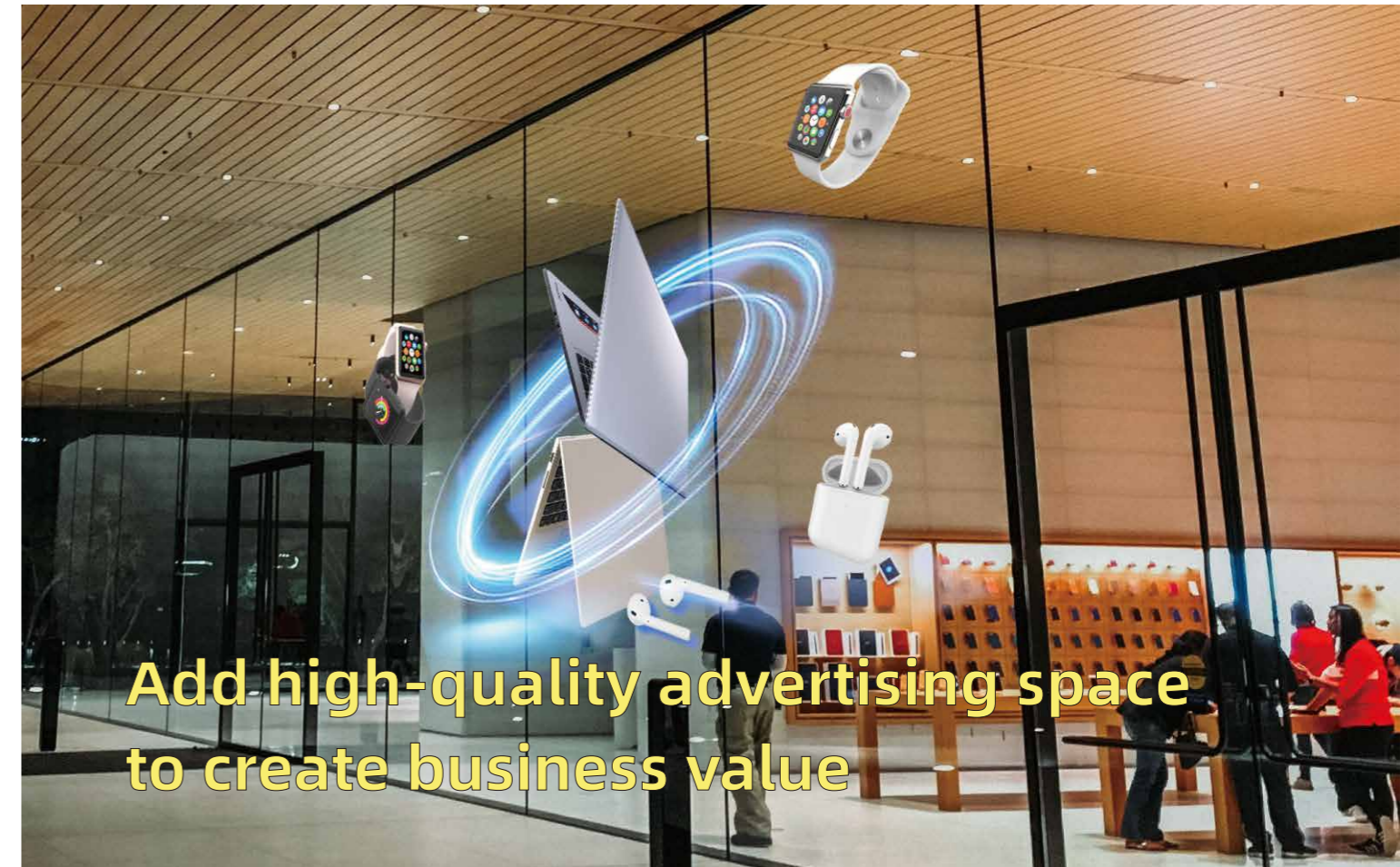
The market has put forward higher requirements for display effects, hoping to have better "aerial imaging".



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.






Improve store quality and attract consumers to stop






Add high-quality advertising space to create business value

Supermarket store

-  Most of the displays used by retailers are traditional displays, which block space, obstruct the line of sight, and place limited placement.
-  The display effect is common to consumers, and it often fails to achieve the desired publicity effect.
-  Photonic chip transparent screen, the unique characteristics of full transparency and high definition, can be placed in the best advertising position, fully transparent, high-definition, 3D stereoscopic future technology visual effects, improve the store's taste and attract consumers to stop, Improve the consumer experience and improve the publicity effect.

Advertising New Media

-  Airports, high-speed railway stations, shopping malls and other public places and large commercial spaces have high requirements for space integrity, and many high-quality locations that can be used for commercial advertisements are often not fully utilized.
-  Photonic chip transparent screen, fully transparent, non-blocking, high-definition unique features, can be perfectly integrated with the environment, converting the most valuable position into multimedia high-quality advertising space.
-  It has unique visual impact, attracts people's attention, improves the conversion rate of advertisements, and brings huge commercial value to merchants.