



The Leader of Creative LED Display

Shenzhen Apexls Optoelectronic Co.,Ltd.



DOME LED DISPLAY

REALISTIC 4D·STABLE·PICTURE IN ONE

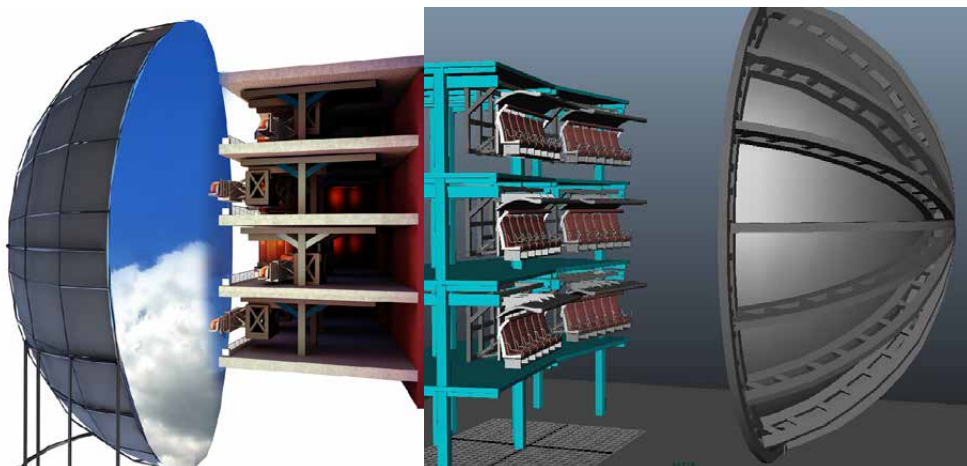
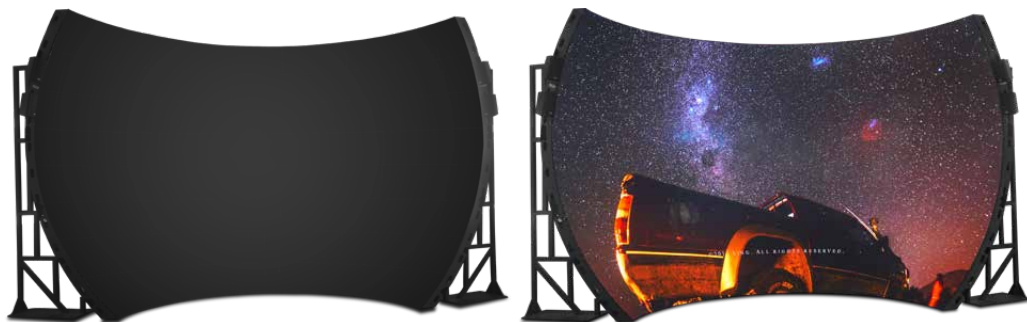
APEXLS 2021

DOME LED DISPLAY >>

The LED inner dome screen is the core technology product LED 4D dome screen created by the Kangshuo Exhibition Creative Center that has broken through several technical difficulties.

Because the screen image is large and clear, extending from in front of the audience to behind, and accompanied by stereo surround sound, the audience will feel like they are in the middle of the scene, and the on-site effect is very strong.

Create an immersive overall effect.



PRODUCT FEATURES >>



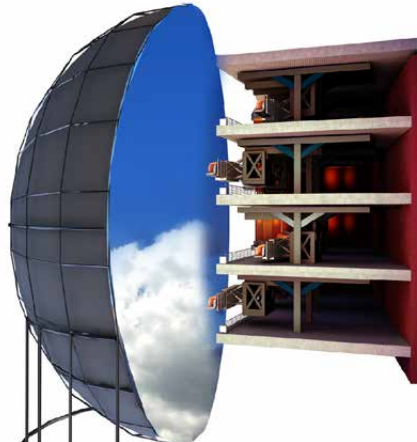
Using ultra-wide-angle
fisheye lens,
realistic 4D experience



Efficient and stable



Good three-dimensional effect
Immersive



PRODUCT FEATURES >>



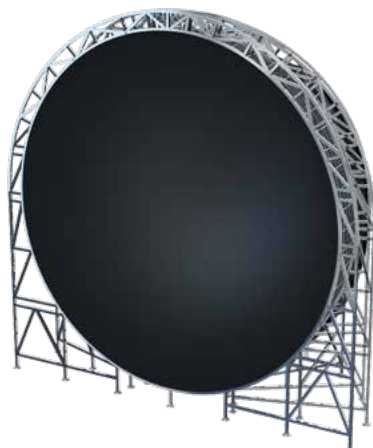
One picture
Truly seamless



High color reproduction
Good brightness uniformity
High contrast
Wide chroma



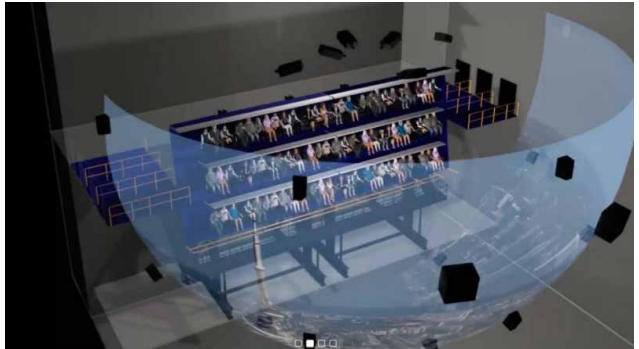
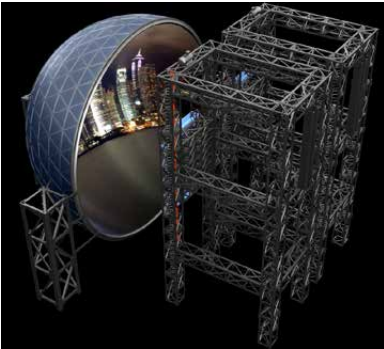
Can be customized
according to project
needs



LED FLYING THEATER DOME SCREEN >>

Due to the characteristics of LEDs, it is more comprehensive than projectors in terms of brightness, color reproduction, and grayscale. Our spherical sound-transmitting screen is specially designed for flying cinema, and we have a complete flying cinema solution.

The flying theater is a large suspended dome theater. Combined with dynamic seats, borderless film and television images, let the audience feel the immersive feeling. In the dome screen cinema, the seats are generally designed in the form of recliners, so that the audience does not have to struggle to look up at the dome and can watch very comfortably. The high-definition super-large dome-shaped picture exceeds the audience's field of vision, and the audience feels as if they are in the scene. With the addition of omni-directional six-channel stereo dubbing, it has a very real on-site effect.



LED SIMULATION CABIN >>

Due to the inner spherical structure of the dome screen, it can be well applied to the intelligent simulation cabin project. We have a complete intelligent cockpit solution!

The intelligent cockpit is realized by a human-computer interaction system. Through virtual simulation solutions, it can complete tasks such as manned aerospace vehicles, marine submersibles, land vehicles and other manned training experience, real-time interactive simulation simulation. The driver can create, test and experience driving completely in a real environment, allowing you to experience realistic and immersive visual effects and sound dimensions.



PRODUCT PARAMETERS >>

Model	P2	P4
Pixel Pitch(mm)	2	4
Pixel Composition	1R1G1B	1R1G1B
LED Type	SMD1212	SMD1515
Pixel Density(dots/m²)	250,000	62,500
Scanning Method	1/32	1/16
Brightness (cd/m²)	800-1000	800
Power Max./Avg.(W/m²)	600/150	600/150
Refresh Rate (Hz)	3840	3840
Gray Scale(bit)	12-16	12-16
Arc Center Angle	Customized according to needs	
LED Cabinet Weight (kg/pc)	40	50
Gross weight(kg/m²)	≤60	
Continuous Use Time(hrs)	>72	
Life Time (hrs)	>10,000	
Discrete Out of Control Point(%)	<0.01	

CASE SHOWS >>

