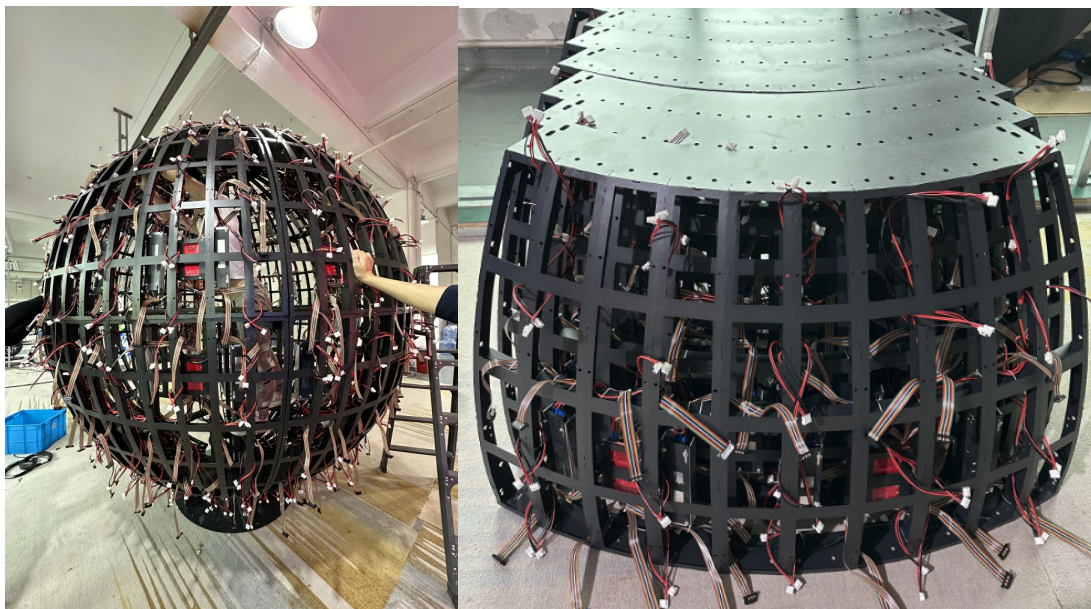
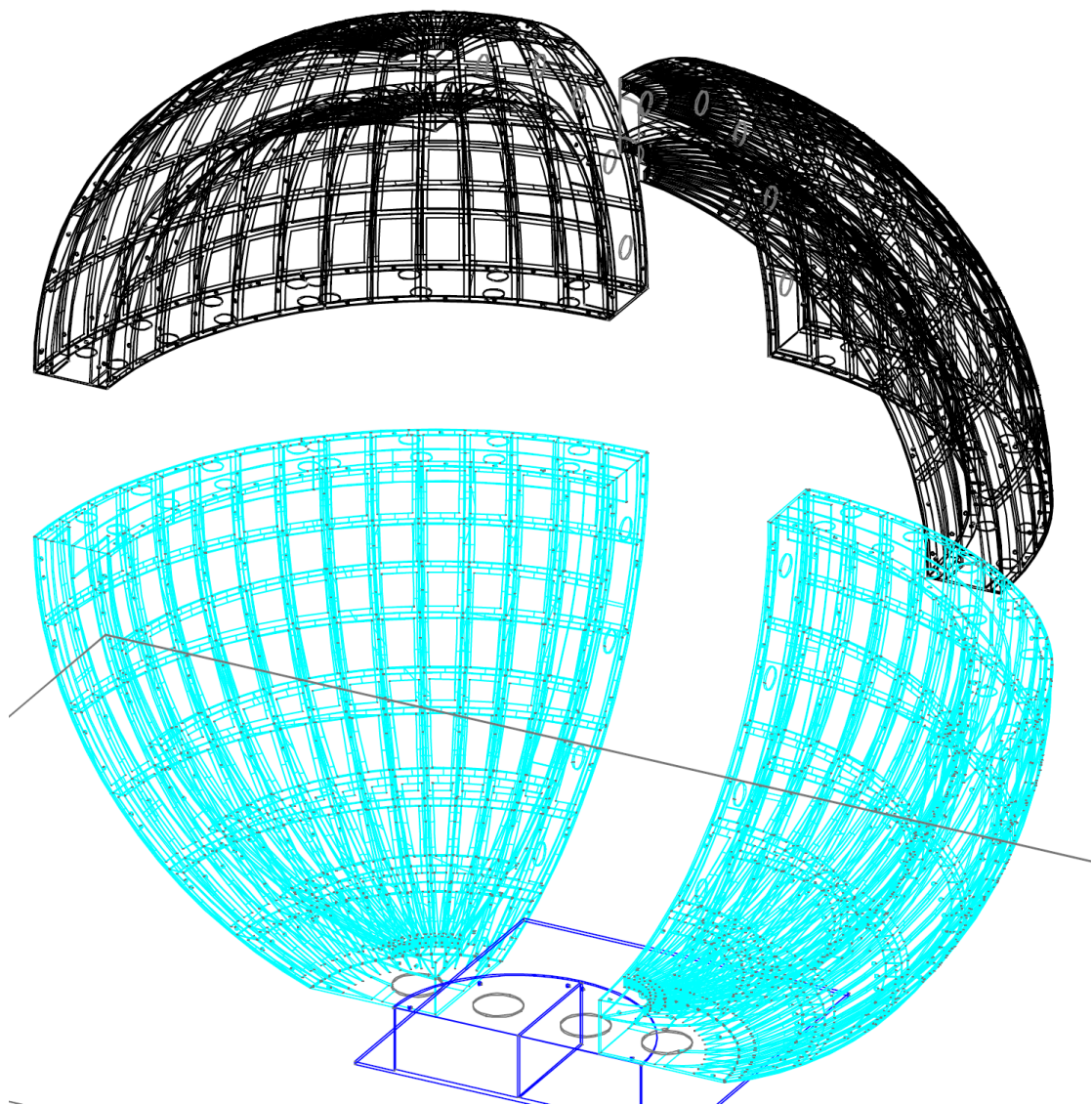


Sphere LED display Introduction

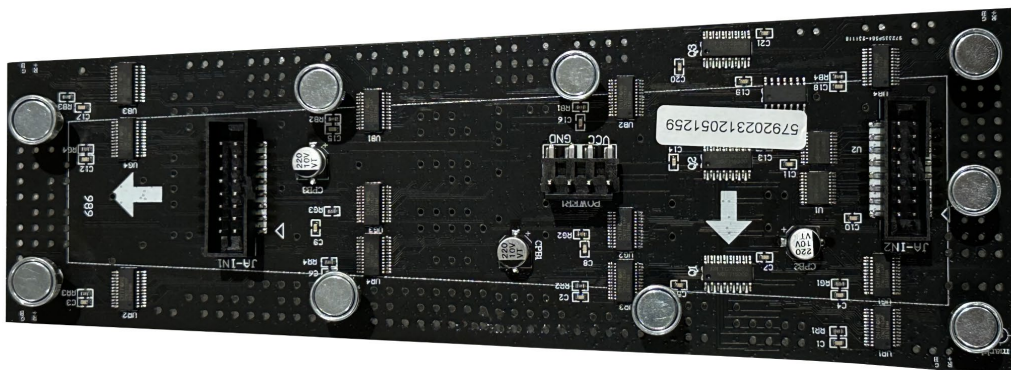
1. LED display Cabinet design

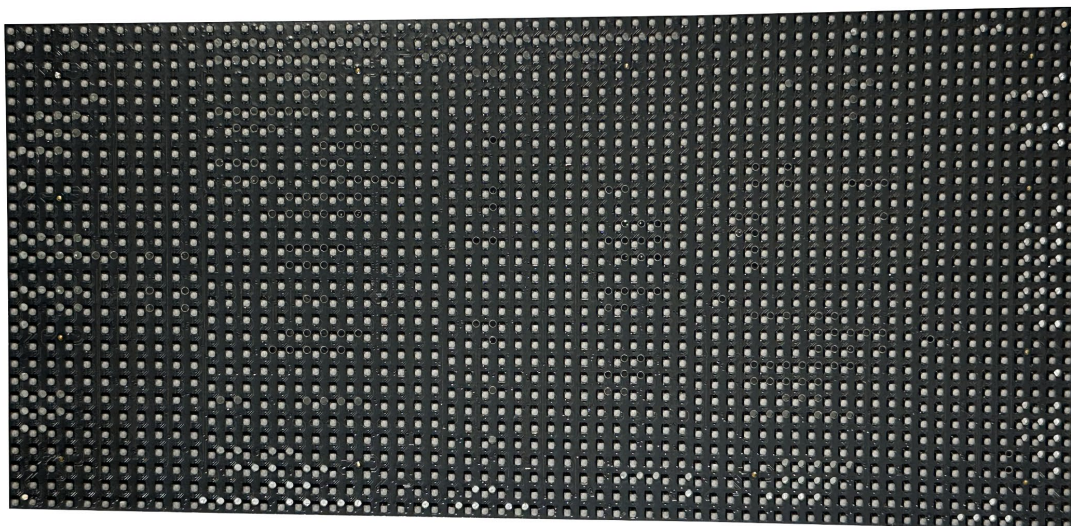
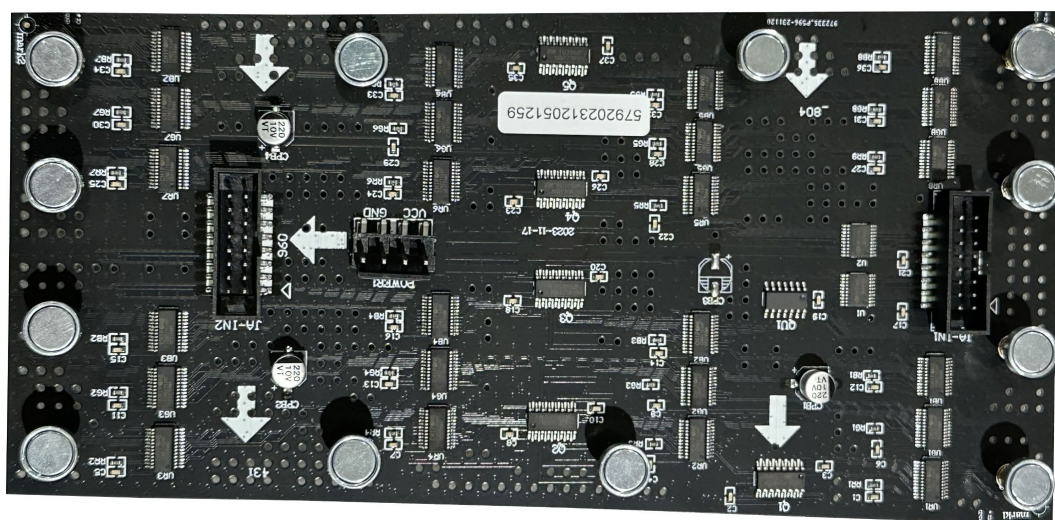
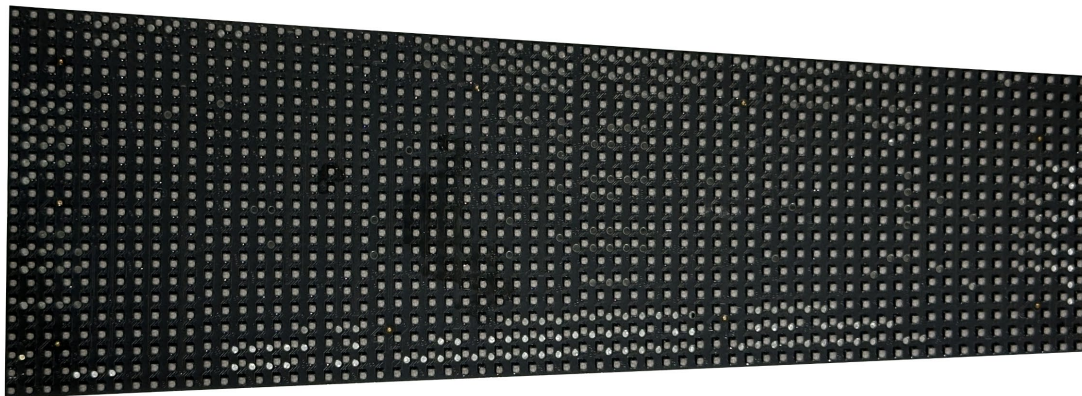


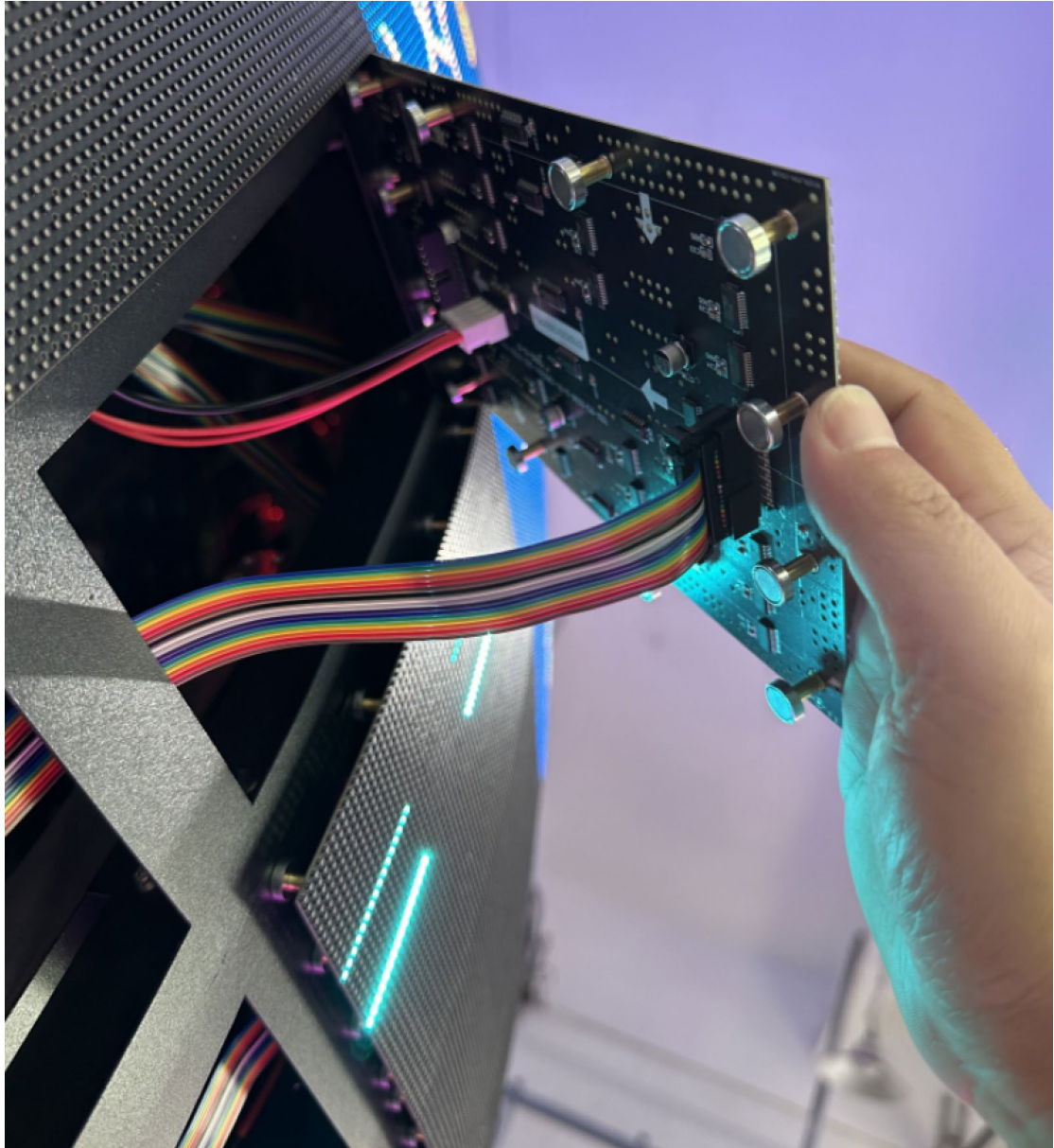


Shere LED display cabinet.

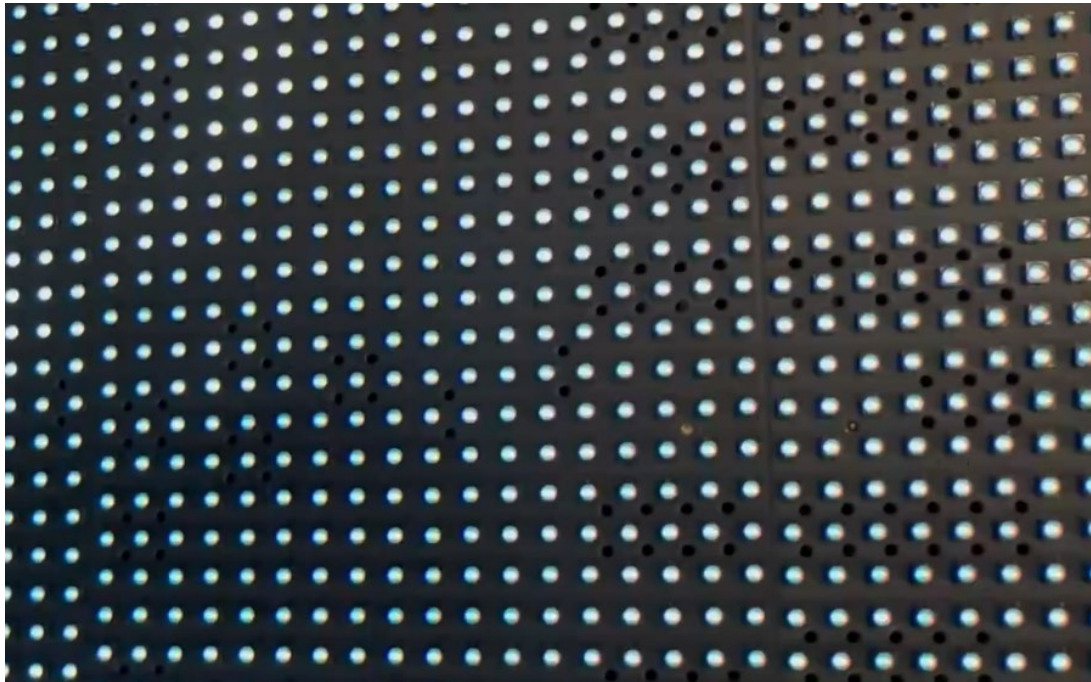
2. Sphere LED display module design



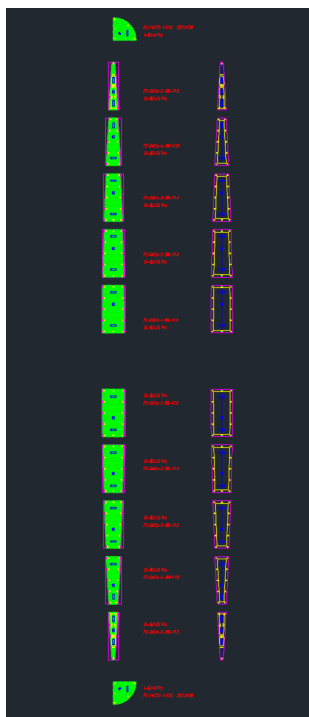




All the indoor sphere modules are fixed by magnet to the cabinet. Easy to detach and repair.nt service.

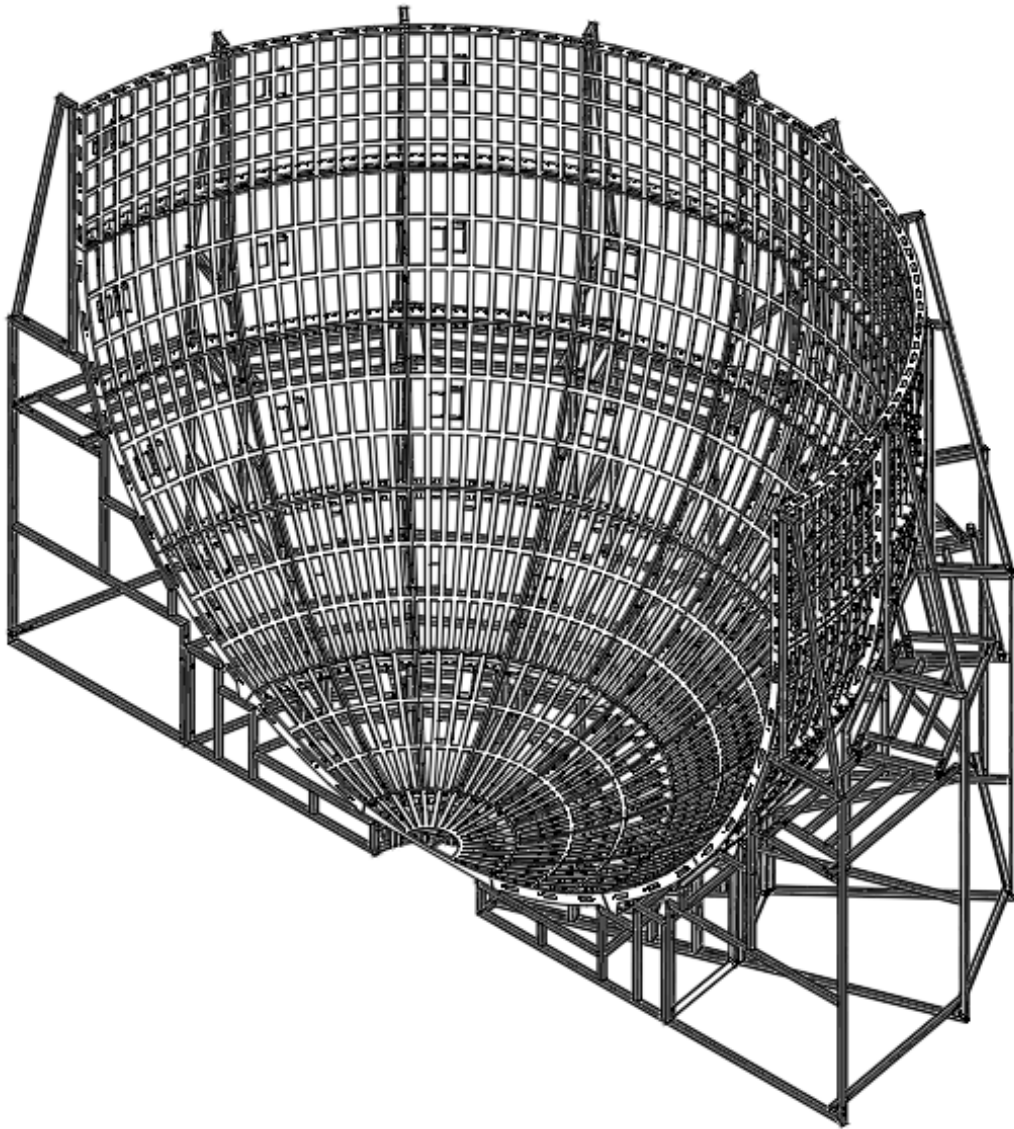


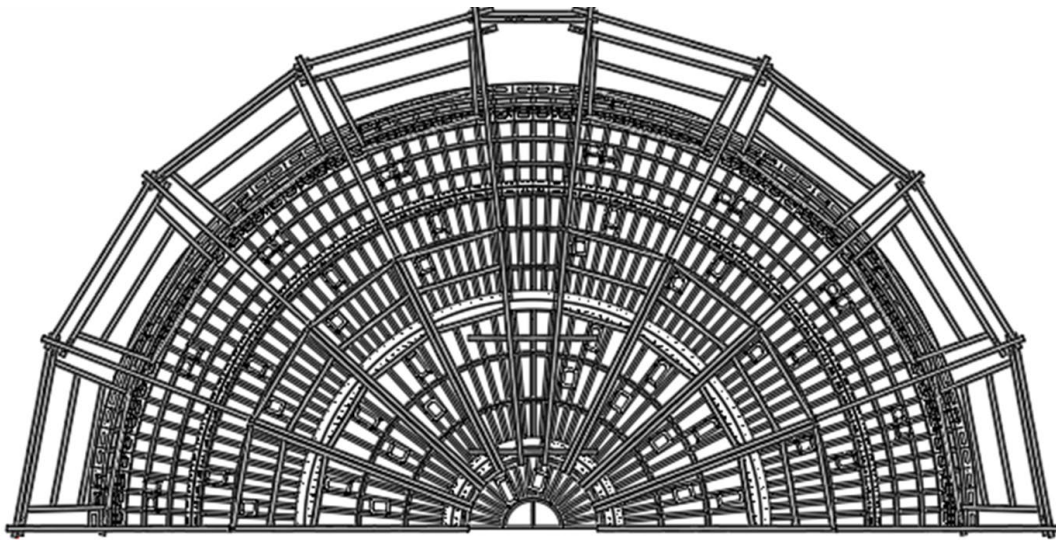
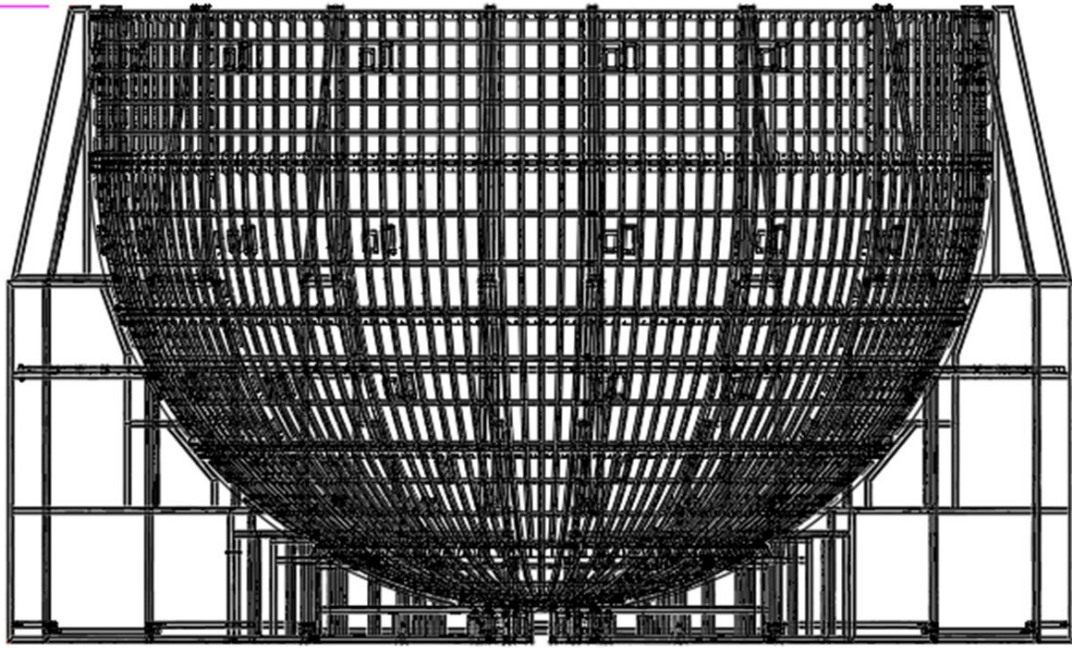
LED module can design air vent holes on the PCB for cooling and sound penetration



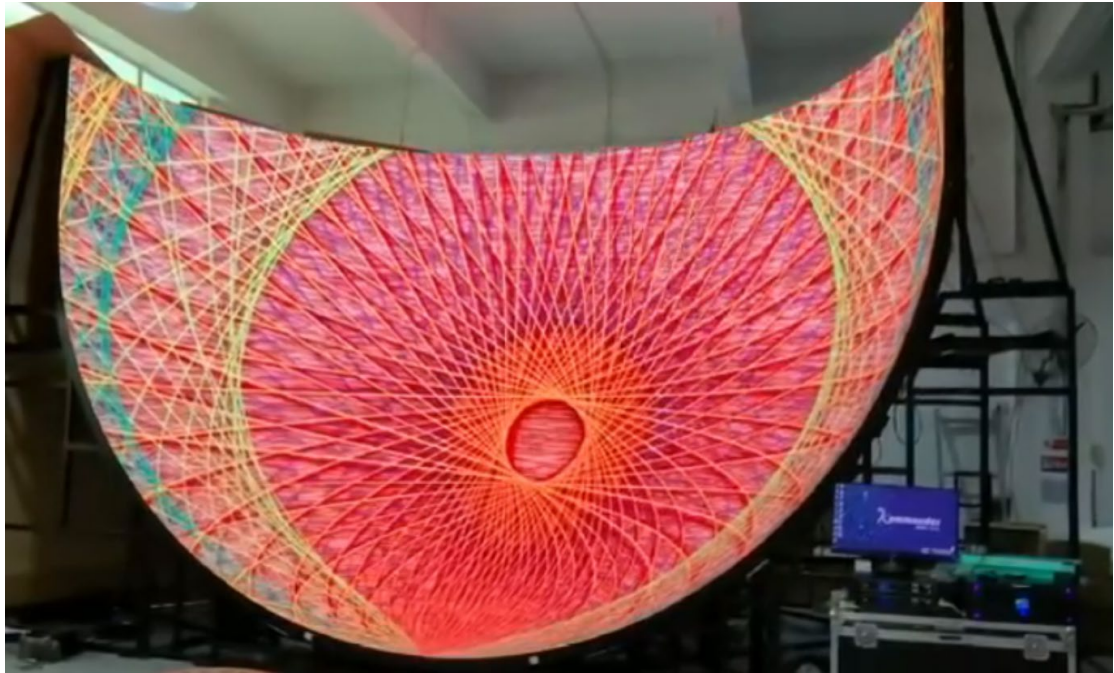
Reference layout of a P2-2m diameter sphere modules, all modules are trapezoid shape and top/bottom fan shape

3. Sphere LED display fixing structure

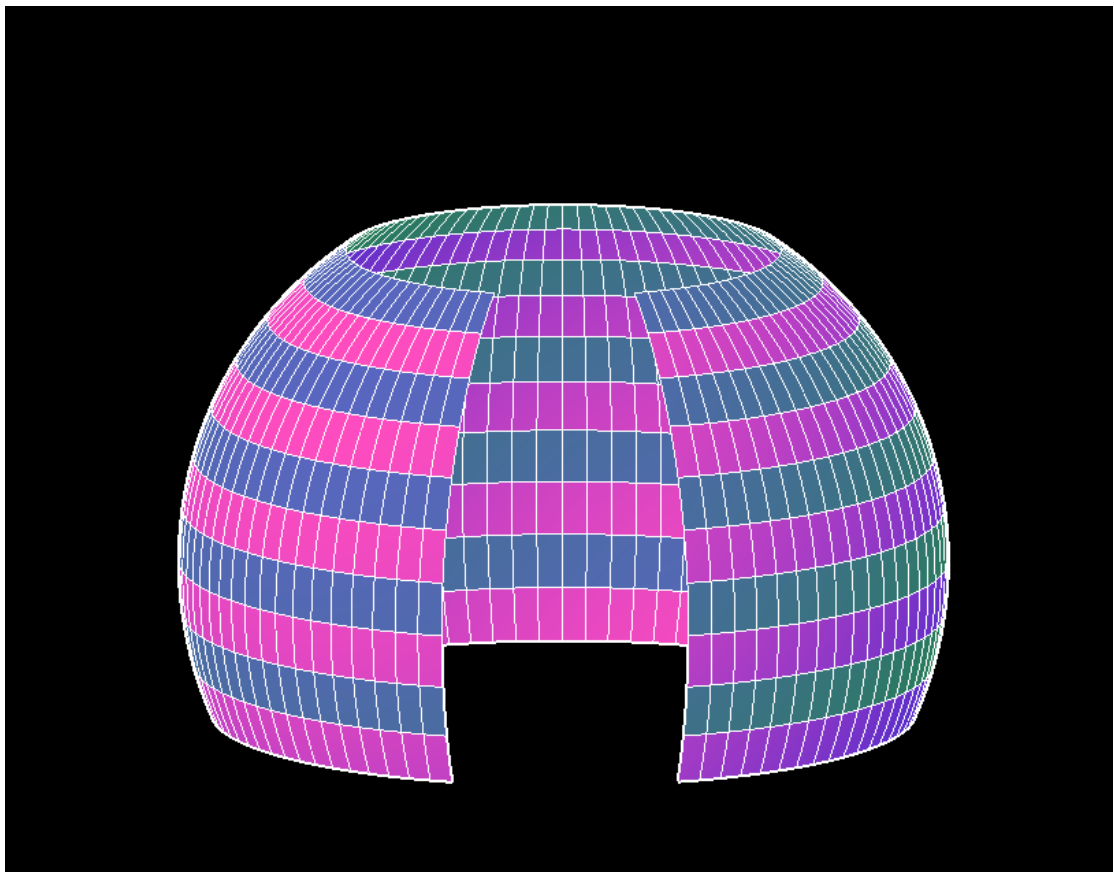


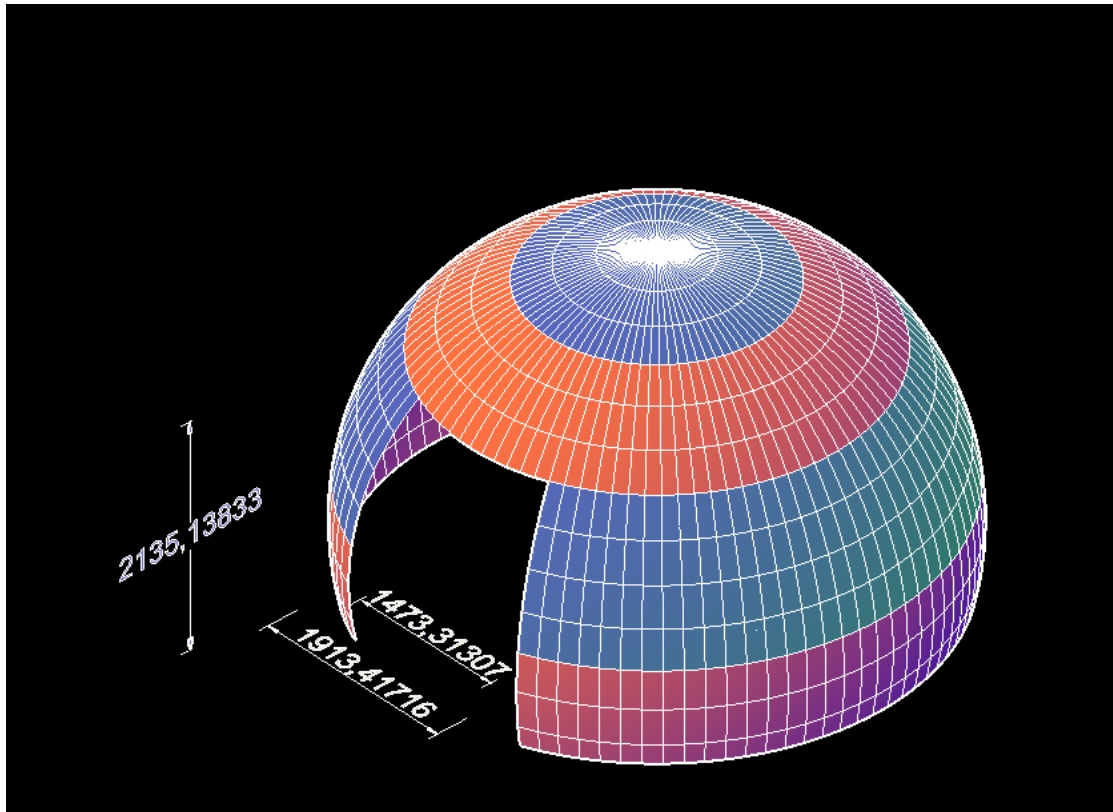


For sphere over 2m diameter, it needs steel frame to hold the cabinets. This is a P2-6m diameter inner sphere cabinet and steel frame reference.



Finished product





The sphere can do a whole sphere, hemisphere or a dome shape, or cut a section from the whole sphere. Inner or external display surface or double faces are all possible.

Reference Specs data of P2-8m inner display surface sphere

LED lamp	SMD1515
Pixel pitch (mm)	2.0mm
Scan rate	1/32 scanning, constant current
Pixel density (pixels/m²)	250,000 dots/m ²
Module size (mm)	39 types (vertical split for a whole sphere)
Module resolution (W×H)	39 types
Standard Cabinet size (mm)	8m diameter
Cabinet resolution (W×H)	12560 x 6280pixels
LED lamp	SMD1515
Net.weight	30 KGS/sqm
Total display area(whole sphere)	200.96sqm
Total weight(whole sphere)	6028.8kgs
Maintenance way	Front service by magnet
Cabinet Material	iron
white balance brightness (nits)	650nits
color temperature (K)	3200—9300 adjustable
Viewing angle (horizontal/Vertical°)	H/160,V/140
Contrast ratio	5000:1
Max. power (W/sqm)	450W
Ave. power (W/PCS)	150W
Power supply	AC110/220V 50/62HZ
Frame frequency (Hz)	50&60
Gray scale	65536
Refresh rate (Hz)	≥3840
color depth	16bit
working temperature/Humidity (℃ /RH)	-20 – 60 / 10%-85%RH (no condensation)
Storage temperature/humidity (℃ /RH)	-20 – 60 / 10%-85%RH (no condensation)