MEGASTAR

Meet the New Star Projector of the Digital Age
Simple, Compact, Powerful

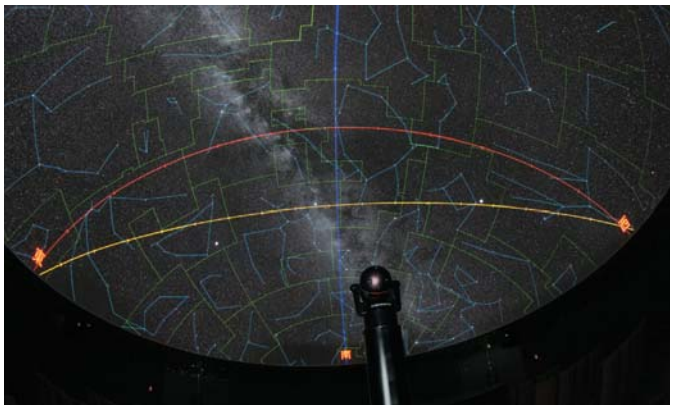
MEGASTAR-Neo

- Designed for small to mid-range flat domes (5m-15m in diameter).
- One million stars, a realistic and deep MEGASTAR starfield.
- Smallest of its kind, lightweight star projector - just 19kg (320mm projection hemisphere diameter).
- Can be carried by one person, easy installation.
- Optimized for integration with digital planetarium systems.
- Replaceable projection hemispheres.

* The above image of MEGASTAR-Neo shows its relative size compared to MEGASTAR-IIA (right in the background), MEGASTAR-III (left in the background) and the soccer ball.

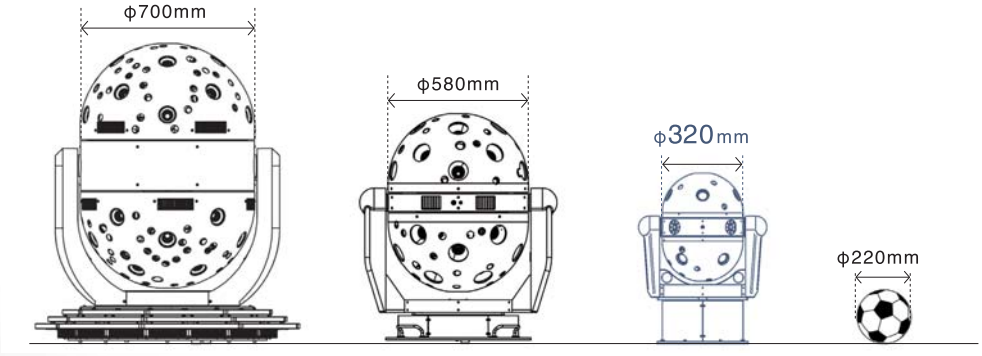
MEGASTAR-Neo

MEGASTAR-Neo starry sky (Kigoyama communication center)



With digital planetarium (Kigoyama communication center)

MEGASTAR-Neo is an optomechanical planetarium star projector designed for small to mid-range flat domes of 5m-15m in diameter. It is a new development of Ohira Tech with a concept of a simple, low-cost, long-life, affordable device for planetariums. The projection hemisphere diameter is just 320mm, and a total weight of 33kg (the projection hemispheres unit weighs 19kg). MEGASTAR-Neo can be carried by one person, transported by post. Its replaceable, easy to ship, projection hemispheres concept provides easy and reliable site support. It is easy to setup, integrate, and maintain. Gravitational shutters provide horizontal star masking for flat domes. Projection hemispheres unit can function as 2 axis star projector*. The separable azimuth base unit adds the azimuth axis (default configuration).



MEGASTAR-III
900(w)×1061(d)×1190(h)mm
200kg

MEGASTAR-IIA
816(w)×600(d)×934(h)mm
100kg

MEGASTAR-Neo
508(w)×360(d)×676(h)mm
19kg+14kg

Soccer ball
ϕ220mm
0.45kg

■ Technical Specifications

*The separate power unit required.

MEGASTAR-Neo	
Dome Diameter Range	5~15m flat dome
Number of Stars	1 million (default configuration)
Deep Space Objects	Over 170, including all Messier objects
Projection Type	12 optical projection units
Light Source	Ultra bright LED light source (lamp life expectancy 30,000 hours)
Dimming	Electronic control 0-100%
Star Masking	Gravity shutter
Motion	Time motion : Diurnal, Annual, Precession Geographical motion : Longitude, Latitude (Full sphere), Azimuth
Physical Axes	Three physical axes, speed 0-40deg/sec
Cooling	4 built-in controllable fans
Bright Stars	Individual projectors for 16 brightest stars with twinkle
Size	508(w)×360(d)×676(h)mm *Diameter of hemisphere is 320mm.
Weight	33 kg (projection hemispheres unit : 19kg, azimuth rotatation base : 14kg)
Power Consumption (max)	600W

Ohira Tech
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