

Have you ever seen a real starry sky in a planetarium

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The Atmosphere that Dwells in the Starry Sky

 MEGASTAR-Neo II



Features of MEGASTAR-Neo II

- For flat and tilted domes from 4 to 10m
- With Solid-State Shutter (electronically controlled) for natural integration of starry sky and scenery
- Capable of realistically reproducing atmospheric effects near the horizon (atmospheric extinction and the twinkling of stars)
- Easy maintenance
- Ultra-compact and lightweight (spherical diameter 280mm / weight 25kg)
- One million stars. The finely detailed and realistic starry sky unique to MEGASTAR

Ohira Tech

The Super Planetarium "MEGASTAR" series overturns the conventional wisdom of planetariums by faithfully depicting fine stars and the Milky Way, which are invisible to the naked eye, as clusters of stars. Pioneering the industry with the adoption of LED light sources and features like the Solid-State Shutter, which can selectively mask any part of the starry sky according to scenery and images, it has consistently advanced the future of planetarium expression. Now, the new "MEGASTAR" series, which has achieved further evolution, has been born.

Focused on "The Atmosphere that Dwells in the Starry Sky"

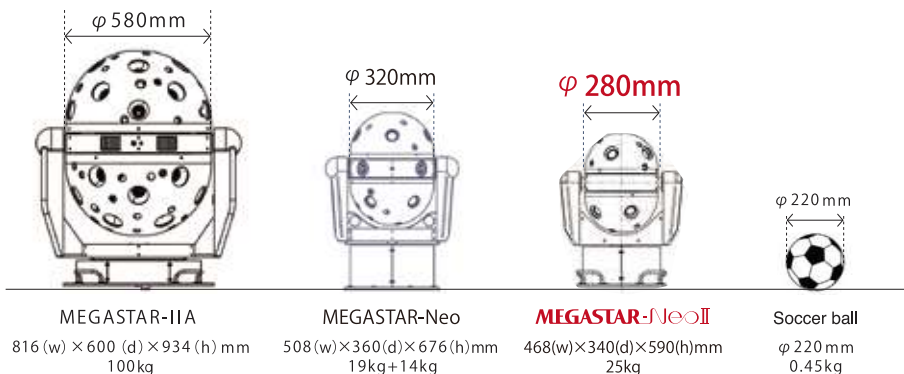
When you look up at a real night sky, the stars at the zenith shine brightly, while those near the horizon appear faintly hazy. The stars near the horizon twinkle faintly, while those at the zenith remain quietly steady.

These phenomena, influenced by atmospheric conditions, were previously only experienced in the "real" night sky. However, the new "MEGASTAR" series finally depicts even those phenomena. The settings for atmospheric conditions are flexible. Of course, it can also reproduce the starry sky in a vacuum, as seen from the lunar surface.

MEGASTAR-Neo II, developed for small domes ranging from 4 to 10 meters in diameter, offers low-cost installation and simple maintenance. It is an "affordable solution" that can be used for a long time. MEGASTAR, which faithfully reproduces even the fine stars of the Milky Way, now incorporates new features into its beautifully detailed starry sky, offering an emotional experience akin to touching the mysteries of the universe under the actual night sky.

Even the effects of the atmosphere (atmospheric extinction)!

Equipped with electronically controlled Solid-State Shutters that can selectively darken or illuminate any part of the starry sky. By applying gradients to stars near the horizon, it can recreate the realism of observing the starry sky outdoors. This ensures that stars do not overlap with digitally projected foregrounds such as landscapes.



Technical Specifications

MEGASTAR-Neo II		
Star Projector	Dome Diameter Range	4-10m flat/tilted dome
	Number of Stars	1 million (default configuration)
	Deep Space Objects	over 140, 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	Solid-State Shutter (electronically controlled)
	Motion	Time motion : Diurnal, Annual, Precession Geographical motion : Longitude, Latitude(Full sphere), Azimuth
	Physical Axes	Three axes, speed 0 - 40deg/sec
	Cooling	More than 8m dome: Built-in controllable fans Less than 8m dome: Natural convection cooling
	Bright Stars with Twinkle	16
	Dimensions	468(w) x 340(d) x 590(h) mm *Diameter of hemisphere: 280mm
	Weight	25kg
	Power Consumption(max)	250W (with fans)
Other	Console PC	Windows-OS
	Manual Operation	Dials or faders independent parameters control/Time (diurnal, annual, precession) / Location (longitude, latitude) / Axes control (diurnal axis, latitude axis, azimuth axis) / Individual object brightness/Dome Illuminations control
	Control Interface	Windows-GUI, DMX-512, LAN
	Operation Modes	Manual mode, Auto mode, SMPTE input voice time code
	Power Supply	100V~240V AC 50/60Hz

