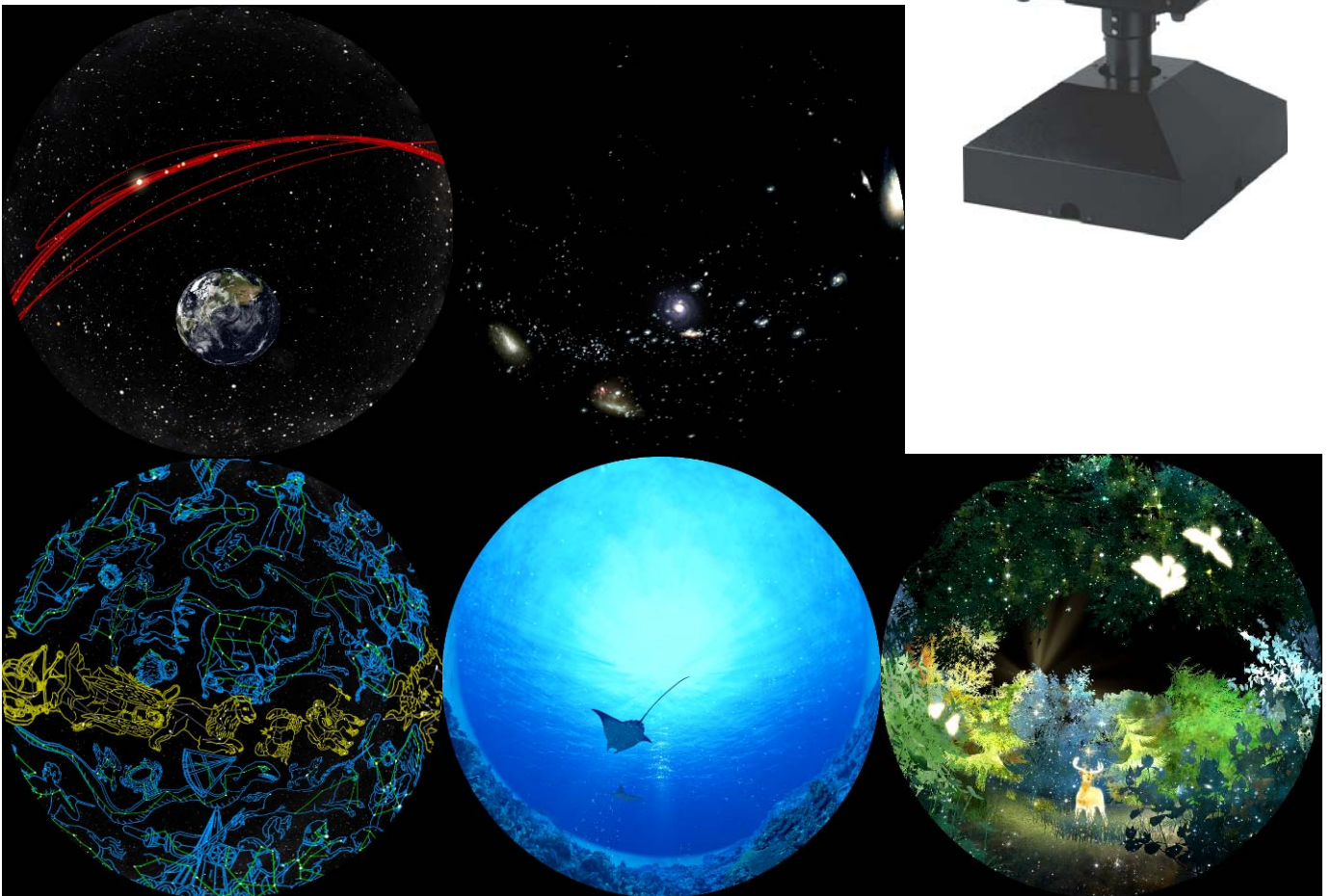


MEDIAGLOBE-III

MEDIAGLOBE-III is the latest model of Konica Minolta MEDIAGLOBE, the world's first full-color single-lens digital planetarium. MEDIAGLOBE-III provides ultra high quality full dome image as small size digital planetarium by adopting higher image resolution, higher contrast ratio, newly designed precision fisheye lens and the latest 3D digital planetarium function as same as the Konica Minolta's flagship model.

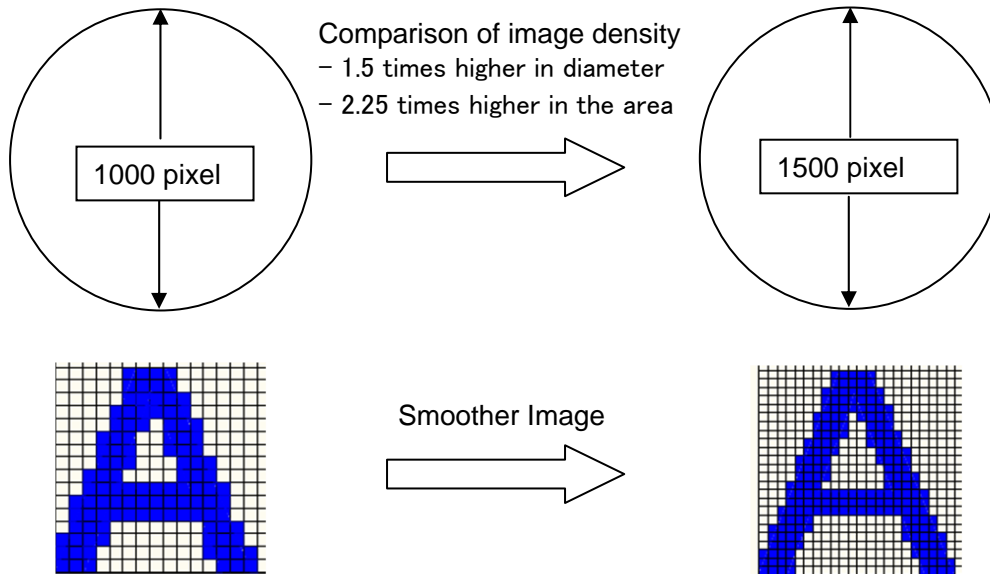


Feature 1

Highest resolution and contrast ratio as small sizes digital planetarium system

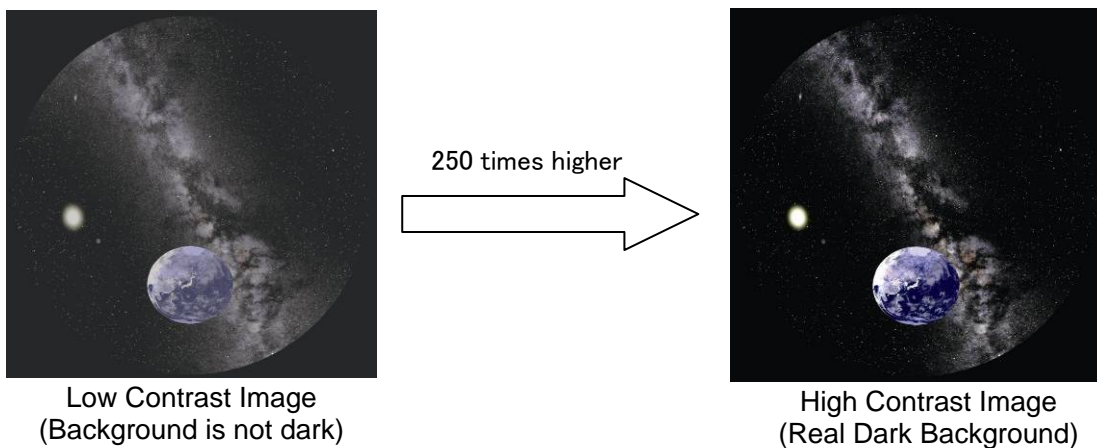
MEDIAGLOBE-III provides 1500 pixel image resolution in diameter and it is 2.25 times higher density for the image area. This image resolution is the highest level as small size digital planetarium.

Higher Resolution



MEDIAGLOBE-III projects very high contrast image of 200,000:1. This high contrast projection capability allows reproduction of real black and ensures that details and depth in dark scenes are expressed clearly and vividly, including brilliant stars set against the blackness of space.

Higher Contrast Ratio



Feature 2

Super high-definition fish-eye lens designed for dome projection

Konica Minolta developed a unique fish-eye lens for the system by using the famous optical design and fabrication technologies. It projects sharp, seamless, non-distorted and high-definition images over the entire dome. This quality lens is combined with the high-contrast projector to create super-realistic simulation of the universe and super-quality reproduction of CG movies.

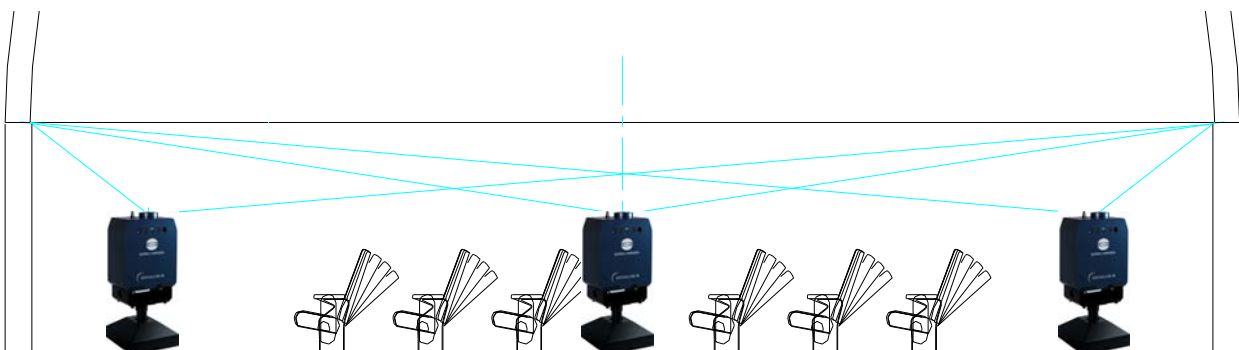
Newly Designed
Precise Fisheye Lens



Feature 3

Offset Installation is available

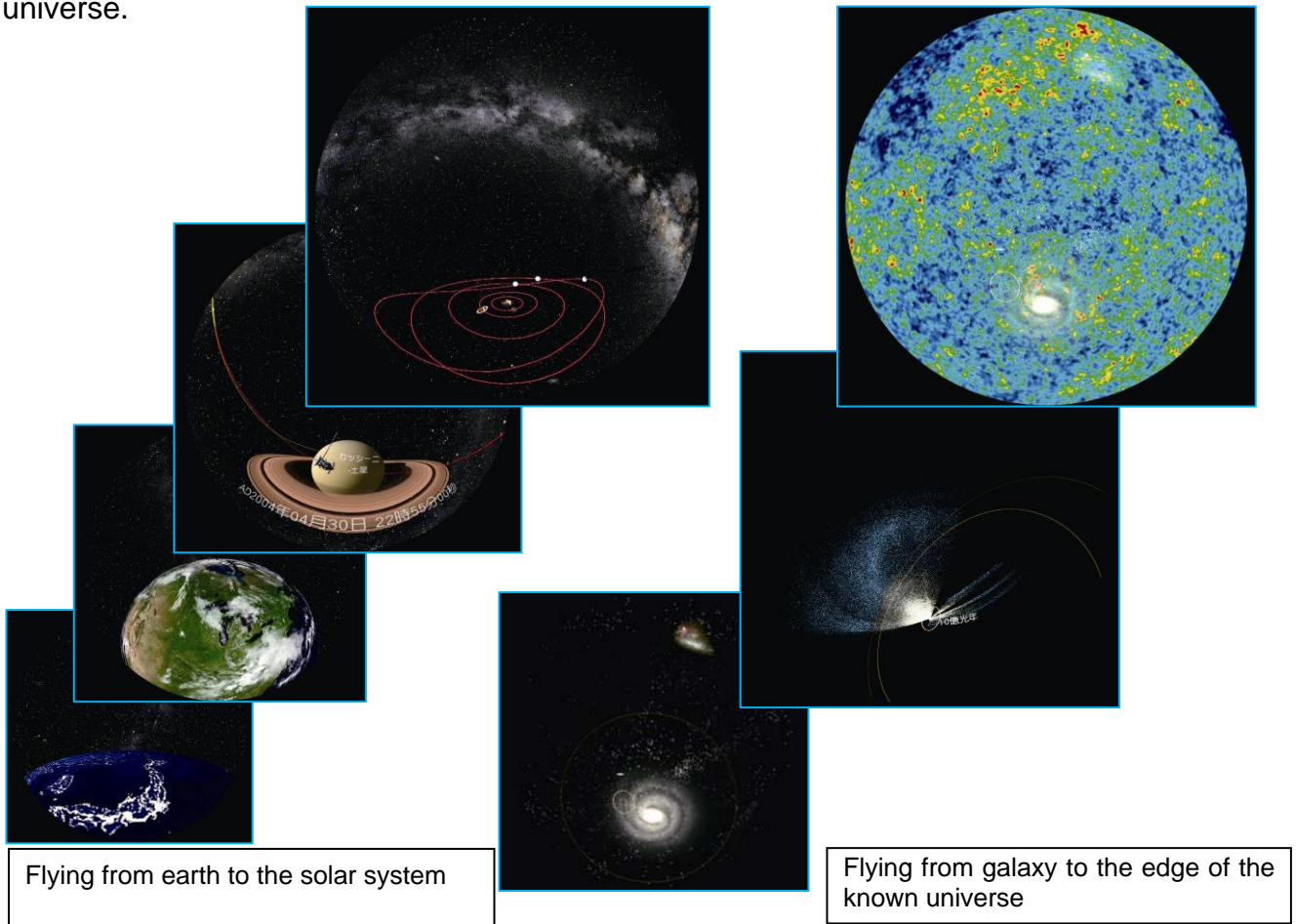
MEDIAGLOBE-III adopts image distorting function which enables offset installation. Therefore MEDIAGLOBE-III can be installed not only at the center but also other places in the theater. This capability provides free layout of the seating in the theater.



Feature 4

Advanced 3D digital planetarium (space simulations) function

3D astronomical simulation function has evolved from the database used in the previous MEDIAGOBE series. In addition to showing stars down to 12.4 magnitude, 3D data of 118,000 fixed stars, proper motion data of fixed stars at any time from 1,000,000 BC to 1,000,000 AD, MEDIAGLOBE-III utilizes the comprehensive stellar database from the *NAOJ 4D2U project. Powerful real-time simulations take audiences through the solar system and beyond, flying through 3-D space and time to the 13.7 billion light-year limit of the known universe.



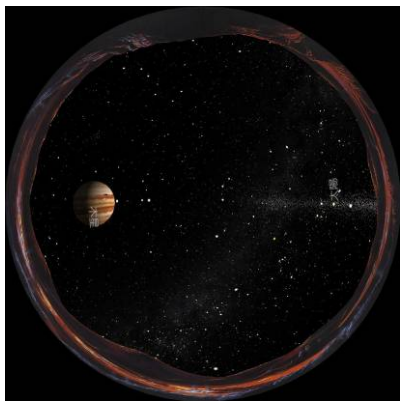
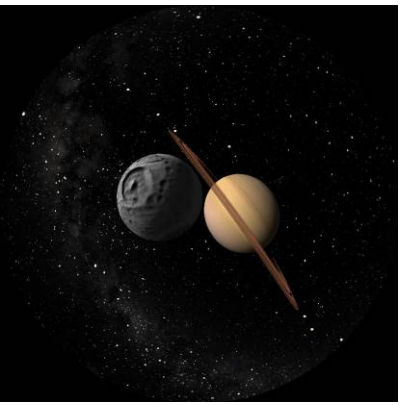
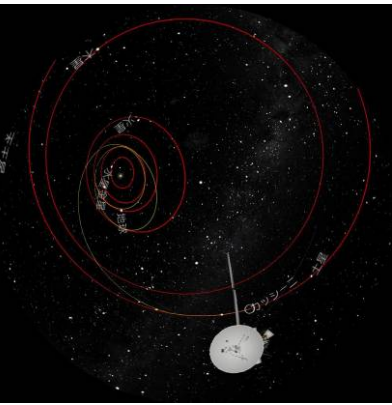
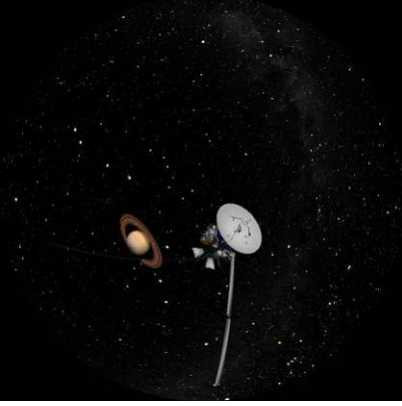
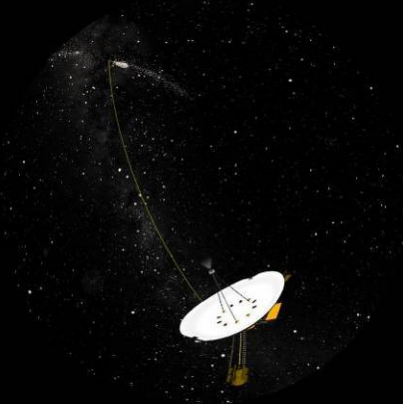
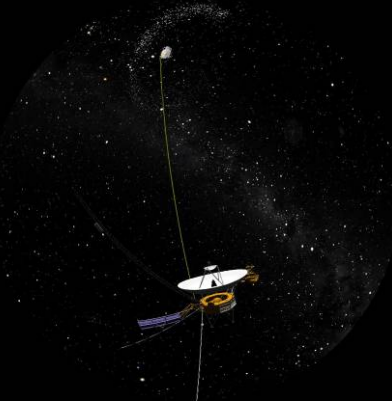
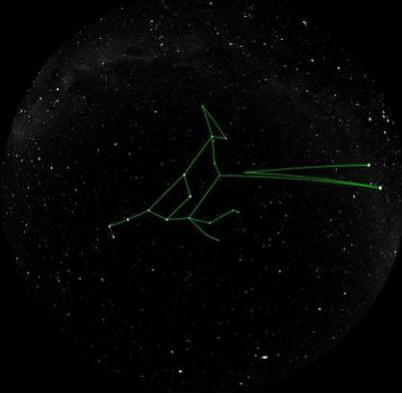


* NAOJ 4D2U Project

is the science project by the National Astronomical Observatory of Japan. This project illustrates a scientific picture of the universe as 4-D digital contents, based on the simulation data of specialized super computers and the latest observation data from the Subaru Telescope. "4-D" here means that the dimension of time is added to 3 dimensional space. Konica Minolta Planetarium is also involved in supporting this project.

Operating 3D space simulation is very simple and easy! With the "Space travel" function, you select departure object, route object and destination object from the celestial objects list. Simply click a button and go! With the "Space Walk" function, visit nearby planets and land on their surfaces. Just as easily, you can visit a far-off galaxy using our arrow controls or fly through the universe with a joystick as if taking the wheel of a starship.

Examples of 3-D astronomical simulations

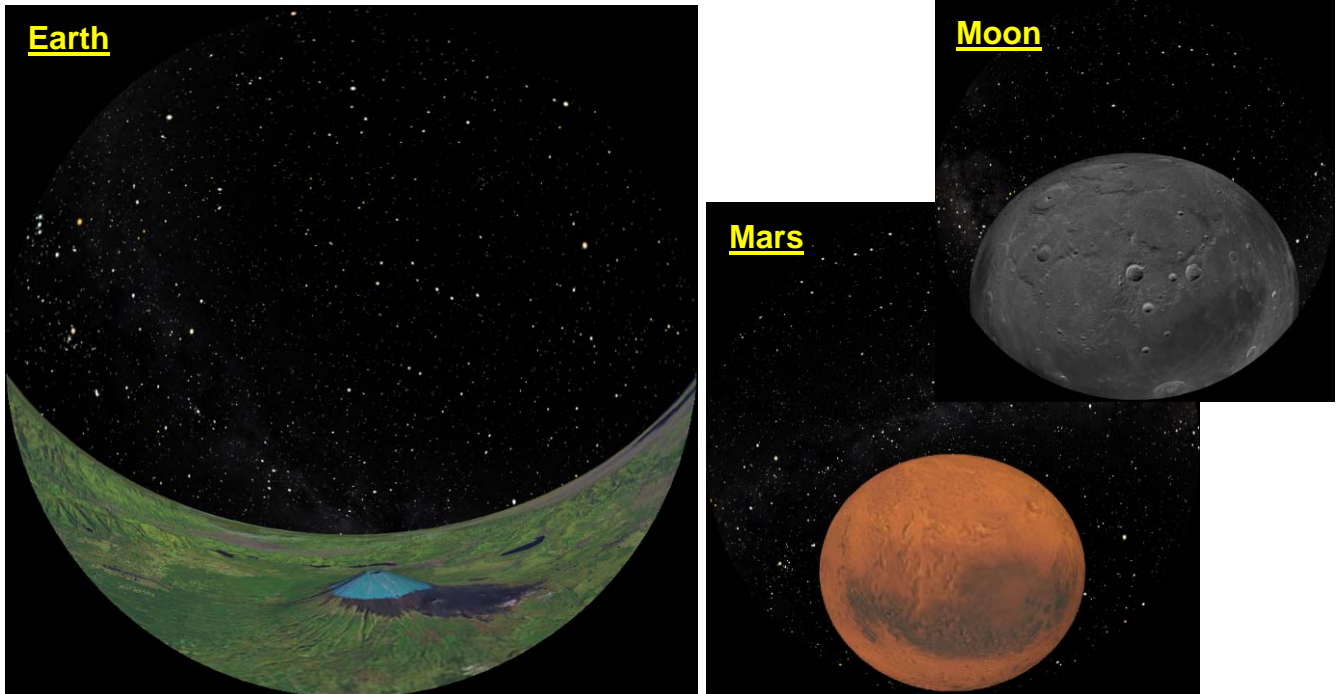
The following images are examples of real-time 3D astronomical simulations of MEDIAGLOBE-III. They represent only a small part of what MEDIAGLOBE-III can show. 3D models of major objects including solar system planets, planetary exploration spacecraft, nebulae, star clusters and galaxies allows operators to project immersive and scientifically correct simulations of space trips. Exploring the universe has never been easier!

<p>Jupiter seen from satellite IO</p> 	<p>Satellite Mimos and Jupiter</p> 	<p>Path of the Cassini spacecraft</p> 
<p>The Cassini spacecraft and Saturn</p> 	<p>The Pioneer 10 spacecraft</p> 	<p>The Voyager 1 spacecraft</p> 
<p>Flying to Ursa Major</p> 	<p>Oort cloud</p> 	<p>Milky Way Galaxy</p> 

Feature 4

Detailed Surface Data

MEDIAGLOBE-III adopts detailed surface data of the Earth, Moon and Mars. In case of the Earth, you can observe the Earth from only 30 km above the surface.



(Sample of the surface images)

Feature 5

Image arrangement on the Earth

Still or movie images can be arranged on the Earth. These images can be rotated according to the Earth's motion. This function is good for explaining about geography.



Feature 6

Projects high-resolution fulldome digital still and movie images

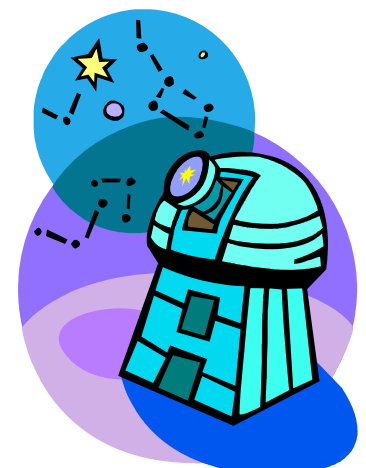
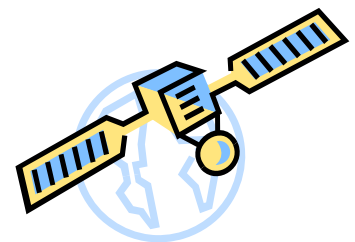
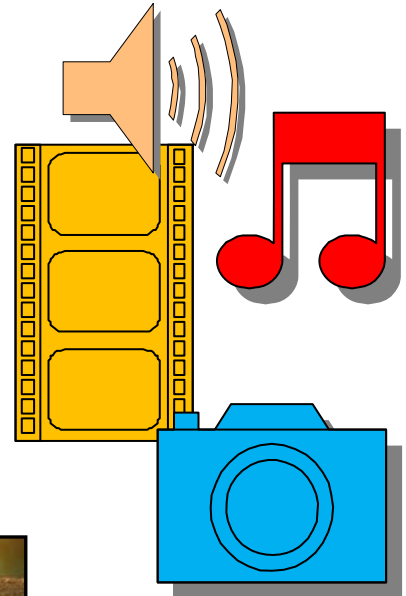
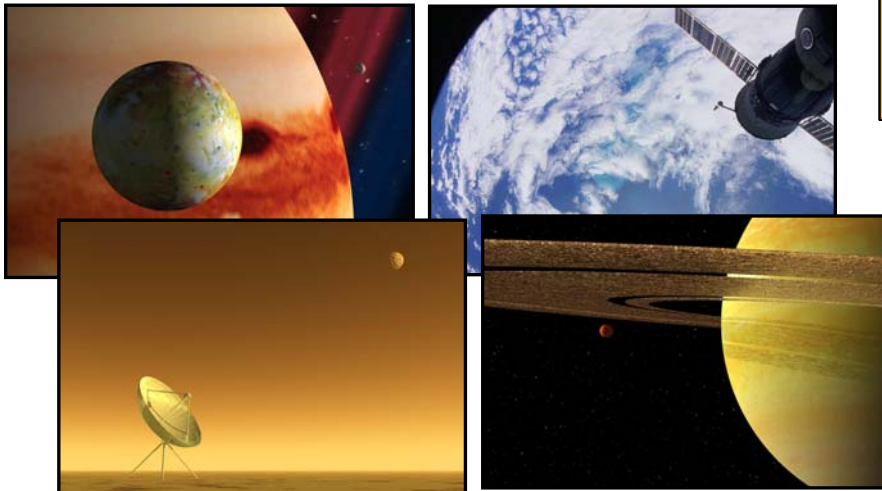
Konica Minolta's digital dome technology allows smooth playback of fulldome high definition movies of 1500 pixels in diameter, enveloping and inspiring audiences. The multi-media functions make it simple to project your digital image (still image and movie) or play music or recorded narration. Furthermore MEDIAGLOBE-III can play general DVD disk without any converting process. It has never been easier to use the planetarium dome as a multi-purpose theater for presentations or events.

Supports major multi-media material formats

Still Image: BMP, JPEG, PNG, TIFF etc.

Movie: MPEG, AVI, MOV, MP4, WMV etc.

Sound: WAV, MP3, WMA etc.

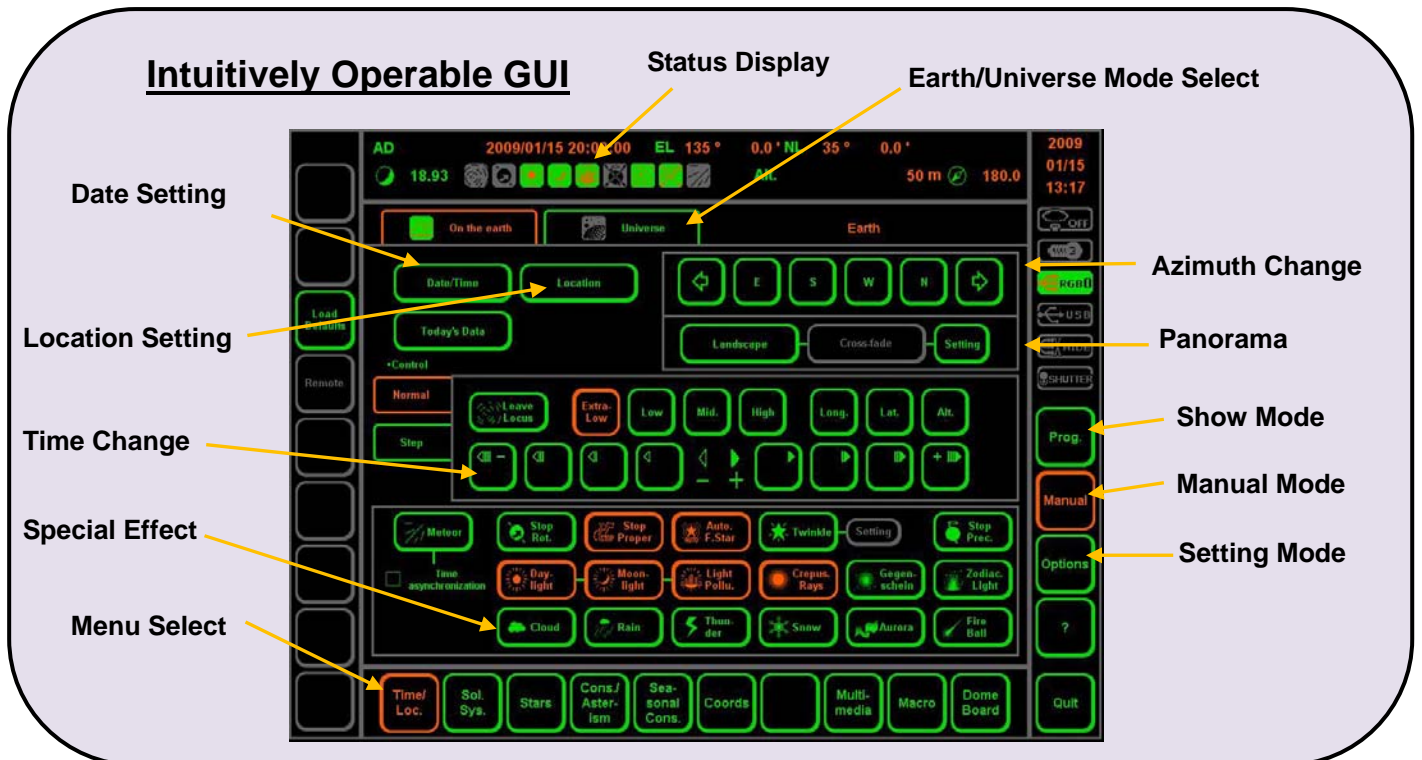


Feature 7

Easy-to-use operation and functions to create and play back stored programs

SUPER MEDIAGLOBE II features a new and more powerful GUI interface built upon the famous easy-to-use systems of earlier MEDIAGLOBE models. Its improved customization feature meets the wide-ranging needs of both beginners and experts. SUPER MEDIAGLOBE II includes "Show Director" to support operators and instructors in creating macro buttons or automatic shows by recording and playing back manual operations.

Operation Devices



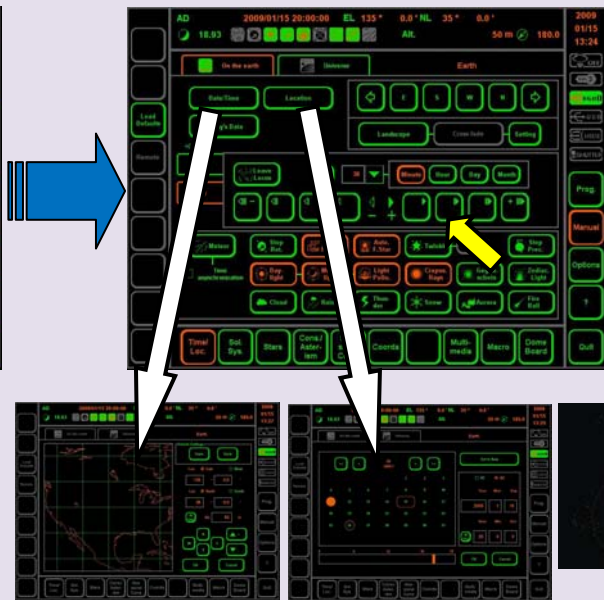
Feature 8 Show Director Function

Macro buttons and automatic shows can be easily created by recording manual operations.

Step1. Record the manual operation



Select destination macro button and start recording by clicking "record" button. Then just operate normally.



Step2. Fine adjust the recorded contents

Duration of Presentation

Classification of commands

Sub-Classification of commands

Contents of Command

-Select specific motion.



Contents of Presentation

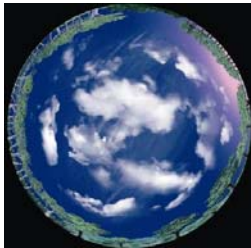
The list of commands are displayed here and will be executed beginning at the top.

Click each box and then click "Details" button at the bottom to open an adjustment window. You can change speed or brightness as you desire. You can also add commands or delete the recorded commands, or change orders of them in the program.

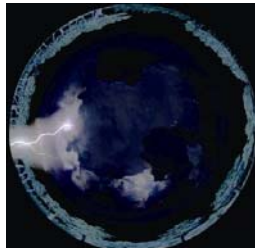
Feature 9

New function provides realistic representation of natural sky phenomenon

In addition to the simulations of stars, constellations, and planets, SUPER MEDIAGLOBE II projects natural sky phenomenon including lightning, clouds, rain, snow and aurora that can be superimposed on the background sky or an all-sky image or movie. This remarkable ability creates more natural and realistic scenes to immerse and inspire families and students.



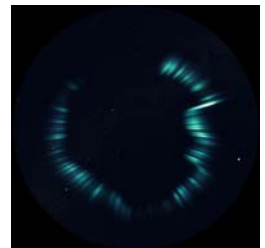
Cloud



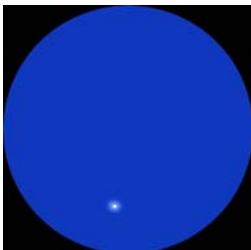
Lightning



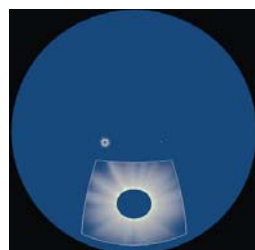
Snow



Aurora



Aureole



Sun eclipse

(Image can be scaled up)



Gegenshein



Zodiacal Light

Feature 10

Popular objects such as constellation artworks and nebulae are included

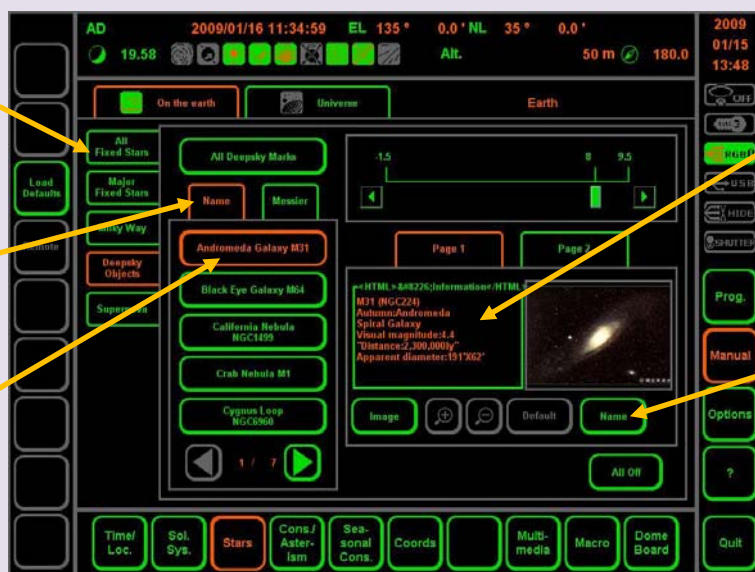
It features images of more than 100 celestial objects as well as artworks, lines, coordinates for 88 constellations. The images can be called up at anytime for both live and recorded presentations. With a click of a mouse, you can project and use these images in all of your astronomy and space science programs.

How to project a stored image

Select the object type to be projected

Sort the object list

Select object
-select the object to be projected from the list.



Object Information

-information about the object will be displayed. This is useful when the operator wants to explain the object to audience.

Set the contents to be projected

-set the contents to be projected such as picture, zoom and object label.

Feature 11

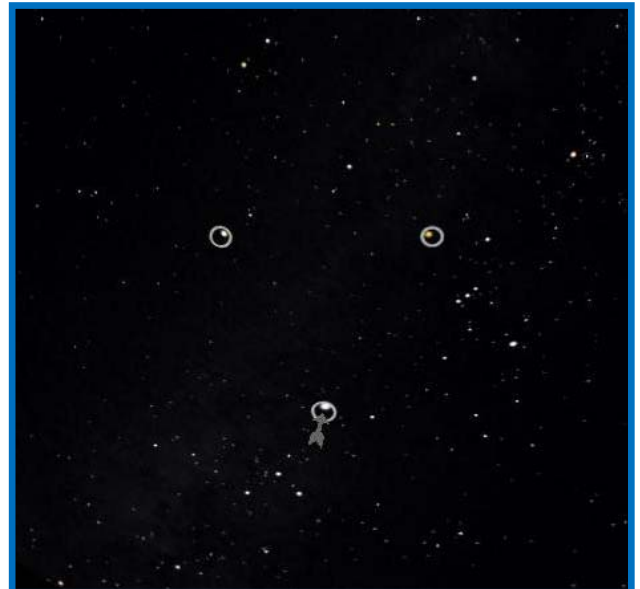
“Dome Board” places Lines or Text on the dome

“Dome Board” is like a black board which can place arrows, lines, and letters on the dome screen at any location.

“Dome Board” can be used to annotate the starfield or a projected image by superimposing arrows, circles or text messages.

Operation is very easy. Select a tool and its style then click the position on the dome chart.

“Dome Board” can be used not only for manual operation but also for macro or automatic show production.



Major Specification

Model Name		MEDIAGLOBE-III
Projection Part	Composition	Projector / Lens / Frame / Cover * Floor stand is an optional item
	Display Device	LCOS device
	Display Resolution	2048 x 1536 pixels
	Color Reproduction	16.77 million colors
	Brightness	2000 ANSI lm
	Lamp	300W UHP
	Contrast Ratio	5,000:1 ~ 200,000:1
	Projection Les	Konica Minolta Fisheye Lens, Focal Length = 4.5mm
	Projection Area	180 degree (Entire Hemisphere)
	Type of Projection	Equidistance Projection
	Full Dome Resolution	1536 pixels in diameter as maximum
	Power requirement	AC100 – AC240 Volts 50/60Hz
	Power consumption	700 watts or less (only for projection part)
	Dimensions	W500 x D330 x H807mm (except ledge parts and stand)
	Weight	55kg or less
Operation Part Control Part	Standard Composition	Operation Part : Wireless Operation Device (1 unit) Control Part : PC, EDID keeper (2), Wireless Router
	Output Terminals	Image Output : Dual Link DVI (2 lines) – One is for the projector – The other line is for monitor (option) Audio Output : 2ch、 5.1ch、 6ch – Stereo Mini Plug x 3 lines
	PC	CPU : Intel Xeon quad core 2.5GHz or faster OS : Windows7-64bit Memory : 6GB or more, HDD : 1TB or more
	Power requirement	AC100 – AC240 Volts 50/60Hz
	Power consumption	550 watts or less (for control part)
	Weight	30kg or less
	Boot time	Within 4 minutes
Noise level	50dBA or less	
Environmental requirement	Operation	Temperature : 10 – 30 degree centigrade Humidity : 30 – 75 percent, no dew condensation
	Storage	Temperature : minus 5 – 40 degree centigrade Humidity : 30 – 75 percent, no dew condensation
Accessories	Manuals, Tools	
Optional Accessories	Projector Stand, Lamp, Filter, Thyme Interface, Console Desk, Monitor, Wireless Joy pad	