

UNIVIEW™

Uniview Theater

Uniview Theater is the original Uniview product - a computer graphics platform designed to bring information databases to life in a real-time interactive 3D environment of arbitrary scales from the surface of our planet to the furthest reaches of the known Universe.

Uniview Theater is an ideal Fidelity Theater component optimizing the solution to provide you with a fully flexible tool to use for the communication and visualization of earth and space sciences.

Based on standard Windows components, **Uniview Theater** allows you to produce enthralling immersive journeys through datasets on any scale providing an intuitive and comprehensive interface that will enable the delivery of professional presentations within minutes.

Uniview Theater visualizes science of vastly different scales within the same graphics environment from earth sciences and climate change using the **Geoscope** engine, to the large scale structures of cosmology - increasing the usability of your display venue by unlocking the possibilities of new areas of science.

Via the **Octopus** network architecture, **Uniview Theater** allows remote collaboration and shared experiences between display venues, giving you a fantastic tool for collaborations with your local or global community. The advanced computer graphics engine enables you to conduct live presentations and virtually travel anywhere within the known Universe interacting with the audience and creating a hugely immersive learning experience.

Loaded with scientific datasets with regularly available updates, **Uniview Theater** is capable of scaling to vastly different platforms and display environments. The **Uniview** platform can be used for all your visualization needs and will bring your audience to the science of today.

FEATURES

SYSTEM DESIGN

- Uses the world's most extensive and accurate 3D atlas of the Universe
- Standard components in user interface make it easy to learn and master
- Intuitive navigation models for smooth motion; ease in/out and enjoy automated control over object visibility
- Scalegraph core to merge databases seamlessly regardless of scale

GEOSCOPE

- Geoscope: streams satellite imagery data from external servers directly into the dome
- Full support for WMS servers, for satellite imagery at high resolution
- Multiple Geoscope planets at once, stream Earth, moon and Mars data simultaneously
- Full terrain (height map) rendering including Geomorphing for enhanced appearance
- Vector overlays in industry standard KML format for extra detailed visualization

OCTOPUS

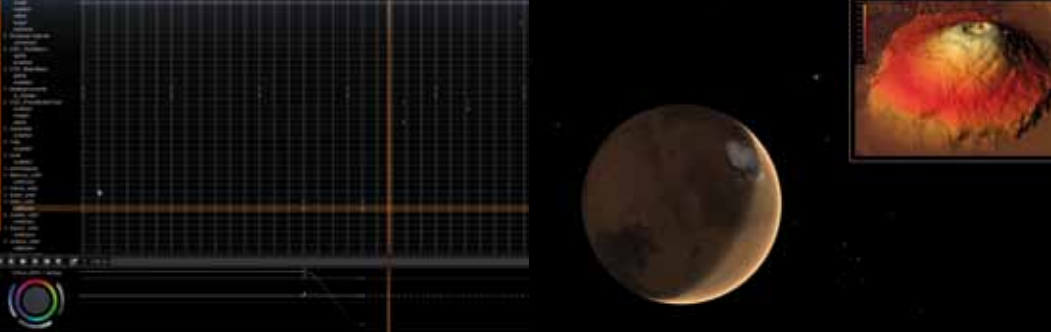
- Connect with domes with scientific storytellers/experts anywhere on the planet
- Share control over session by passing back and forth between domes or other users



visualize.
collaborate.
explore.
learn.

The Uniview Suite of Software, developed by SCISS in close collaboration with partners, is fast becoming the standard for visualization of astronomy and earth sciences within immersive environments.

Sourced as either a standalone software solution, or an integrated component of a Fidelity theater, Uniview has been developed by industry leaders to create enthralling experiences for audiences worldwide.



Uniview Producer

Uniview Producer is a timeline editor designed to produce real-time planetarium shows using modern graphical non-linear editing tools for control over every aspect of the show.

Uniview Producer provides a powerful means of preparing complex presentations in advance shows that can be updated easily sourcing web-based datasets for the very latest scientific information. The planned presentation can then be combined with real-time sections for a highly interactive experience.

With shows from **Uniview Producer** playing real-time in **Uniview Theater**, presentations can be prepared in advance, or interactive **Uniview** flights – or even a combination of both.

Instead of writing long scripts to instruct the system which operations to perform, this modern graphical approach lets the creator ‘stay creative’. Letting the camera fly from object to object in space is as simple as placing markers on a few key positions in a timeline or even grabbing them from **Uniview Theater** as you go. Not only is the camera fully controllable, but almost any parameter of any object can be controlled using the same GUI, all closely synchronized... there are really no limits for your show or for your theater.

Running on a real-time system means that there is no need for time consuming rendering or frame slicing to configure it to run on a particular display system. Simply create the show and it will play in any environment; whether dome, custom, or flat screen.

Uniview Producer gives you the power to prepare and preparation gives you the power to improvise.

In addition to the Uniview range, SCISS offers Ucare a range of creative support solutions for training, maintenance, upgrades and more. Talk to us for more information.

FEATURES

GUI (Graphical User Interface)

- Foldable tracks for camera, objects, audio and other show elements
- Specific ‘control widgets’ to control various parameters like color, scale or position
- Special ‘system’ track to control simulation time and other system-wide behavior

CONTROL/SHOW STRUCTURE

- Full objects/database property control
- Smooth control of any property including camera
- Ability to easily integrate and completely control objects and databases
- Full control of audio/playback sync
- Updatable and reconfigurable shows as all graphics are rendered in real-time

OBJECT/DATABASE INTEGRATION

- Supports 2D image/video stream import
- Supported import of any polygonal meshes through standardized formats
- Support for the many thousand existing and publicly available KML
- Access to any WMS-compliant satellite imagery server
- Supports Partiview/Digital Universe format

PLAYBACK OF SHOWS

- Playback through real-time engine Uniview Theater, minimizing show file size
- Shortcuts to jump between segments
- Ability to mix interactive/linear segments

Global Immersion + Fidelity Theaters + Uniview

Global Immersion has been partnering with SCISS and their Uniview data visualization platform for several years. After many high-profile immersive display installations around the globe, Global Immersion collaborates closely with SCISS to integrate the Uniview suite into Fidelity theater solutions, with the objective of exceeding your facilities earth and space science communication goals.



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