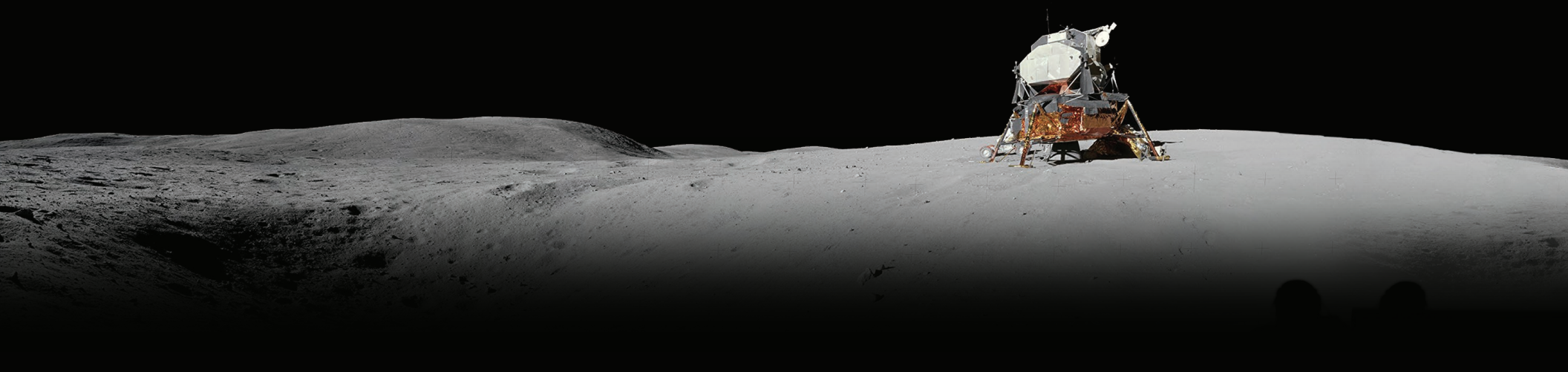

E&S

Do More

# Do More

**Digistar 6** brings powerful features and unmatched capability to planetariums. Digistar offers the best possible combination of image quality, simulation power, and ease of use. With **True8K**™ projection, comprehensive astronomy data, Domecasting, Digistar Cloud, virtual reality support, and best-possible usability, planetarium professionals don't have to choose between capability and ease of use.



## Ease of Use

Digistar 6 features the industry's most powerful, advanced, and easy-to-use operator interface. Its drag-and-drop architecture, customizable control panels, and intuitive dome interaction have made Digistar the choice of hundreds of theaters worldwide.

Digistar includes flexible workspaces, allowing presentation by iPad, Bluetooth remote, or Xbox controller. With **Show Builder**, operators build programs with a simple point-and-click process: scene "snapshots" are easily assembled into a complete program.

## Navigation

Digistar 6 reimagines navigation for the most intuitive, flexible travel possible. With the choice of Xbox controller or simple on-screen controls, moving through space and navigating across landscapes has never been easier. E&S offers **Flight School** training, giving operators total command of their Digistar's travels through space.

## Digistar Atlas

Digistar Atlas is a powerful, comprehensive collection of visualization data for the Earth, the solar system, and deep space.

### Earth Data

Digistar visualizes current data at multiple elevations with animated vector fields. Digistar supports real-time terrain imagery colorization. Earth data includes wind, temperature, ocean currents, atmospheric pressure, relative humidity, cloud water, atmospheric pressure, perceptible water, and much more.

### Astronomy Data

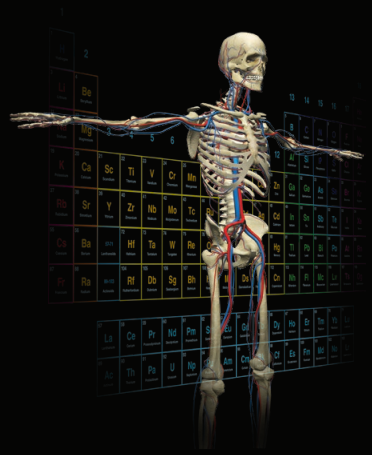
Digistar astronomy includes bright galaxies, exosystems, globular clusters, HII regions, OB associations, open clusters, planetary nebulae, pulsars, SDSS galaxies, SDSS quasars, Six Degree Field galaxy survey, supernova remnants, Two Degree Field quasar survey. Astromony data also includes:

- GAIA star database
- Satellites: database of all objects tracked by space-track.org
- Volumetric galaxies representing Hubble Tuning Fork classification
- Ephemeris information displayed for Sun, Moon, planets and dwarf planets

### Black Holes

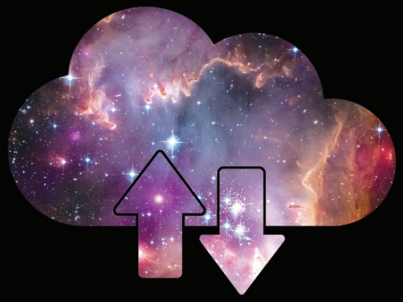
Digistar 6 realistically renders the gravitational lensing effects of black holes. Size is defined by the black hole's Schwarzchild radius, and objects behind the black hole appear properly distorted. Real-time black holes can be shown with or without accretion disk.

## STEAM



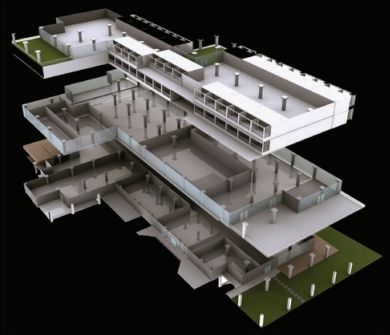
Digistar 6 interactive STEAM education brings physics, chemistry, math, anatomy, engineering, art, and many other subjects to your fingertips.

## Digistar Cloud



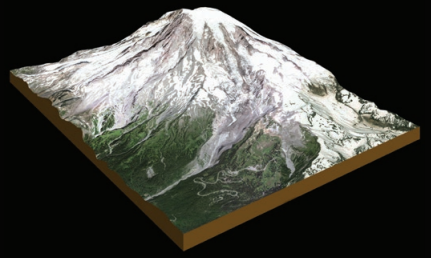
Cloud Capability connects Digistar customers worldwide. Sharing and demonstrating user content is simple, giving operators access to dynamic content, models, images, shows and videos.

## Unity



Unity, the world's leading real-time engine, gives users access to access countless 3D models, structures, environments, and other interactive worlds.

## Advanced Terrain



Digistar's terrain engine supports detailed elevation for unprecedented realism. Data sets can be combined and layered. Explore layers for Earth, Moon, Mars, and other bodies in spectacular detail.

## Image Quality

"Perfect seams, perfect blends, high contrast, great color, resolution approaching the human eye - the reality of a movie theater, the richness of the darkest starry night. That's what Digistar True8K means to me." **- Dr. Carolyn Sumners, V.P. for Astronomy and the Physical Sciences, Houston Musem of Natural Science**

## Domecasting

"I'm really impressed by Domecasting with the Digistar, because this is the next big step for the planetarium. Audiences in theaters around the globe can now be connected live and become team members in shared immersive expeditions. Domecasting will give us amazing new potential in presenting arts and sciences and is just the start of something bigger." **- Thomas Kraupe, Director, Planetarium Hamburg**

## Content

"The graphics in Digistar are so good, people don't realize it's real-time footage." **- Oana Jones, Full Dome Producer, Otago Museum**

## Cloud Library

"I know from the very beginning when I'm starting this project, this isn't going to be just for me: this is going to be shared to the Cloud, and I want anyone to be able to use it." **- Joe Childers, Astronomy Educator, Boonshaft Museum of Discovery**

## Ease of Use

"The new navigation feature is a big add-on... this is kind of gaming in the universe." **- Rainer Christiansen, Director, Planetarium Flensburg**

"What is great about Show Builder is that my presenters that do not know the system as well as I do can make presentations for themselves and show them in the dome." **- Marc Horat, Planetarium Curator, Swiss Museum of Transport**

"I had a gut feeling that Digistar would be more intuitive and easy to use, but had no idea how far ahead Digistar actually is. The documentation, the transparency of the software and how well it is interlinked. Nothing short of amazing." **- Lars Lindberg Christensen - Head of Education and Public Outreach Department, European Southern Observatory**