

autodesk®

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Capture the true character of space and form with advanced global illumination-rendering technology.

See Your Designs in a Whole New Light

Autodesk® VIZ 4 software, the 3D visualization solution for design exploration and presentation, introduces a new generation of global illumination rendering technology. The benefits? Images and animations that are richer and more accurate, so you can better evaluate and convey your design intent; a faster, more intuitive workflow, since you work with lighting the way you do in the real world; and greater flexibility to produce the level of visualization you need.

An Image Is Worth a Thousand Words

Award-winning Autodesk VIZ provides a fluid 3D environment for modeling, rendering, and animation. Whether you're an architect, land planner, or mechanical designer, you can use Autodesk VIZ throughout the design process to develop and explore concepts and alternatives; communicate design intent to clients, colleagues, and consultants; and validate your designs to ensure they're error free. Plus, Autodesk VIZ software accommodates whatever level of visual representation you require—from quick, real-time studies to photorealistic virtual prototypes to compelling multimedia presentations.

Designing with Light

Light is central to defining the character of space and form. With global illumination rendering technology, you capture subtle lighting effects such as indirect illumination, soft shadowing, and color bounce that make your renderings come alive with stunning realism. Your renderings are also more accurate, so you can better evaluate

and communicate what your design will look like under different conditions and resolve costly errors early in the process. And you don't have to be a computer graphics expert to get brilliant results—just set up lighting exactly the way you would in the real world.

Integrated Solution for Creative Synergy

Sometimes your project requires advanced 3D visualization, sometimes detailed construction documents. Autodesk VIZ is an integral part of a design solution that lets you work with the software best suited to the task at hand and fluidly share that data between different products. With enhanced DWG Linking™ capability, the data you create in any AutoCAD® platform-based design product, like Autodesk® Architectural Desktop, can be used in Autodesk VIZ, and vice versa, maintaining data integrity throughout the design process.

Autodesk VIZ 4

Get Started Faster

- + Use real-world lighting and global illumination rendering technology for more accurate and realistic lighting effects.
- + Access common functions with context-sensitive Quad menus.
 - Customize your user interface.
 - Easily create new objects and working grids aligned with existing geometry using AutoGrid.
 - Apply preset default materials to objects.
 - Store modeling decisions with editable modifier stacks, so you can change your mind at any time.
 - Create object classes with shared characteristics using instance and reference objects.

Autodesk Interoperability

- + Use enhanced layer support, with controls modeled on AutoCAD software.
- + Use File Link Manager interface with presets for commonly used file types.
 - Link to AutoCAD® 2002, 2000i, and 2000 files, as well as to Autodesk Architectural Desktop, Autodesk® Mechanical Desktop®, Autodesk Map™, and Autodesk® Land Desktop files, with the enhanced DWG Linking feature.
 - Import Autodesk Inventor™ files using the Autodesk Inventor Import plug-in.
 - Automatically re-create AutoCAD layers using layer support in DWG Linking.
 - Update only specific layers or selections of linked data with partial reload.
 - Replace linked AutoCAD blocks with realistic 3D objects using object substitution.

Internet-Integrated Design

- Use Asset Browser to browse the Internet, intranets, extranets, and local and network drives.
- Drag bitmaps and intelligent objects from web pages into your scene.
- Use Autodesk's i-drop® framework for intelligent import of objects.

Rich Lighting Effects

- + Obtain photometric data and 3D luminaire models from manufacturers' websites for use in your scenes.
- + Save time by using a library of ready-to-use luminaires.
- + Use photometric units to set up lighting.
- + Evaluate lighting performance with lighting analysis tools.
 - Model solar position for any location, date, and time.
 - Apply volumetric lighting, fog, and other atmospheric effects.

Photorealistic Rendering

- + Use the integrated radiosity engine to calculate diffuse indirect lighting, soft shadows, and color bounce effects.
- + Achieve photorealistic rendering effects with advanced algorithms.
 - Render glow, star, and streak effects.
 - Refine rendered images with antialiasing filters.
 - Take advantage of free network rendering for up to 10,000 networked PCs.

Tools for Compelling Presentations

- + Print wizard that allows printing directly to a network printer at a specified size and resolution.
 - Interactive keyframe animation for moving, rotating, and scaling objects.
 - Parametric animation for doors, windows, lights, and cameras, and sunlight system for creating dynamic special effects.
 - Panoramic renderer/viewer for interactive viewing of rendered design from any camera location in QuickTime® VR format.
 - Photographic/video backgrounds viewable in interactive environment for easy integration.
 - Matte/shadow material for seamless combinations of digital photography and 3D rendering.
 - Automated perspective matching for background photos.

System Requirements

- Intel® Pentium® III or compatible PC, with 300MHz processor or greater
- Microsoft® Windows® 2000 or Windows Me
- 256MB RAM (minimum) (512+MB recommended for global illumination rendering)
- Graphics card supporting 1024x768x16-bit color minimum (OpenGL and Direct 3D hardware acceleration; 24-bit color recommended)

Purchase or Learn More

Purchase Autodesk VIZ through your Authorized Autodesk Reseller or Autodesk Systems Center (ASC). To locate the reseller or ASC nearest you, visit www.autodesk.com/reseller.

The new Autodesk Subscription Program is a budget-conscious way to ensure you're always using the most current technology. Visit www.autodesk.com/subscription or contact your Authorized Autodesk Reseller for more information.

For more information about Autodesk VIZ, visit www.autodesk.com/viz.

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