DataCAD®
Velocity

Product Information Sheet

Discover the Inexpensive Way to Create Successful Architectural Renderings and Generate New Business.

You know the value of being able to make changes to your designs quickly and efficiently — often with the client by your side. That's why you made the commitment to computer-aided design with DataCAD®.

Now imagine presenting several images from different views of your client's design in true 3-D perspective. Imagine impressing clients by showing them your ideas for the color of the walls, the texture of the floor, or the landscaping. Imagine being able to economically and quickly show them several options. And then imagine the impact of those full color images on your client.

Now, imagine it all for less than the cost of one artist's hand-colored rendering!

DataCAD Velocity™ allows you to explore photorealistic, high-end rendering on any model you create with DataCAD.

Cadkey, Inc.
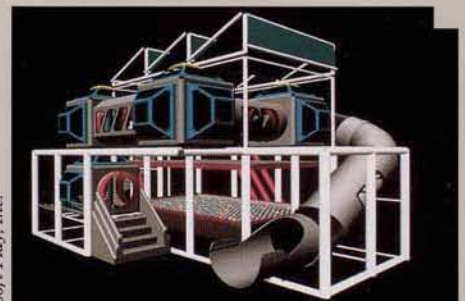
William Riseman Associates, Inc.

Brennenborg Brown Group

Soft Play, Inc.

DataCAD® Velocity

DataCAD Velocity Offers a Full Range of Features Including:

Advanced Rendering

- Anti-aliasing capabilities for smooth diagonal shading, true curved surface rendering, variable opacity, and tools for manipulating the attributes and characteristics of surfaces.

- Support of orthographic, axonometric, oblique, and true camera perspective views.

Texture Choices and Light Sources

- A full complement of shading attributes such as matte, glossy, metallic, and textured.

- Texture maps for realistic portrayals of brick, stone, marble, and wood surface textures.

- 18 individual, simultaneous light sources.

- A means of creating walk-throughs, fly-throughs, and slide show sequences of images in combination with DataCAD's ViewMaster macro.

Resolution

- Screen resolutions up to 1280×1024 pixels.

- Hard copy resolutions up to 4096×4096 pixels.

- Film resolutions up to 8192×8192 pixels.

- Image file resolutions up to 8192×8192 pixels.

- Color selection from a palette of 16.7 million. Images may be rendered as full 32 bit color images using a palette of 16.7 million colors, or may be rendered as compressed color using 256 colors chosen from a palette of 16.7 million colors for display on standard 256 color CRT & graphics adapters.
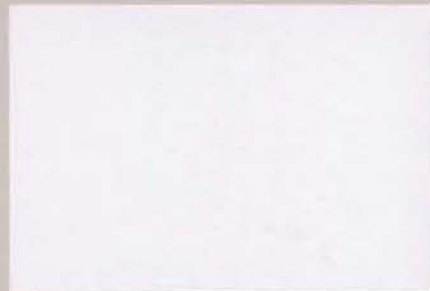
Graphics Adapters And Output Device Support

- Support for over 20 different graphics adapters with color resolutions of 256 colors and screen resolutions of up to 1280×1024 pixels. VGA, SuperVGA, ARTIST 10 and ARTIST XJ Series, Verticom, DGIS, and TIGA graphics adapters are just a few that are supported.

- Separate drivers for the TrueVision Targa 16, Targa 24, Targa 32, and the TrueVision Vista series of graphics adapters. These graphics adapters provide 16 bit or full 24 bit color resolution with 16.7 million colors displayed simultaneously.

- Direct support for the Hewlett Packard PaintJet Printer.

- Support for the AGFA Matrix ProColor, QCR, and PCR digital film recorders. Film images can be produced at resolutions of up to 8196×8196, with full 32 bit color resolution and overlay and underlay capabilities.

Hardware Requirements

DataCAD Velocity is fully compatible with DataCAD and runs on an IBM AT, PS/2 series or compatibles, 640K RAM, 20MB hard disk, math coprocessor, mouse or digitizer. DataCAD Velocity supports a variety of graphics cards and monitors. A minimum of 3MB RAM is recommended.

DataCAD Velocity is from the A/E/C Product Group of CADKEY, a leader in 3-D computer-aided design software. The DataCAD product is the only product ever to be offered to its members by the American Institute of Architects Professional Systems Division. More than 55,000 CADKEY Computer-Aided Design Systems are installed globally with translations available in French, German, Italian, Spanish, Japanese and more. And all CADKEY products are supported by a worldwide Dealer network, technical services staff, and a network of User Groups.

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