

HOOPS Visualize

The gold standard for graphics engine for developing high-performance applications

With HOOPS Visualize, you can rapidly render stunning graphics across both mobile and desktop platforms. As the workhorse 3D rendering engine in hundreds of successful engineering applications, HOOPS Visualize will give you the technology you need, supported by a team you can trust.

GRAPHICS FOR ENGINEERING

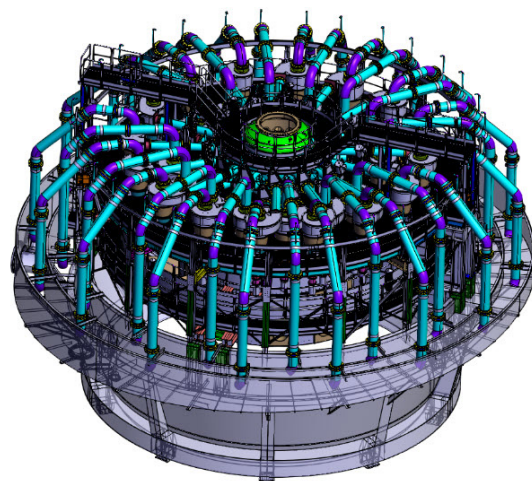
HOOPS Visualize is a specialized graphics engine, built to satisfy visualization needs in engineering applications. For example unlike the gaming industry, engineering needs all details to be displayed and rarely allows detail to be masked by textures. Leverage HOOPS Visualize to ensure your engineering needs are met successfully

BROAD PLATFORM AND DEVICE SUPPORT

Mobile operating systems are on a convergent path with traditional desktop operating systems. HOOPS Visualize is supported on Windows, Linux MacOS, iOS & Android operating systems enabling your Desktop, Mobile and AR/VR applications.

EXTREME PERFORMANCE

Fully leverage GPU through highly tuned OpenGL and DirectX drivers. Leverage HOOPS Visualize to produce high frame rates, fast data import, rapid selection & highlighting as well as the ability to edit scene at a granular level without sacrificing performance.



HOOPS VISUALIZE FEATURES

Rapid Integration

HOOPS Visualize is easy to integrate with CGM Modeler, 3D ACIS Modeler, and general purpose 2D and 3D visualization applications.

Optimized Graphics

Optimized on-screen viewing, manipulation and interaction reduce your development time. Full support for optimal rendering on both OpenGL and DirectX.

2D & 3D Support

Rich 2D and 3D integrated scene-graph creation, optimization, and management.

Fast Development

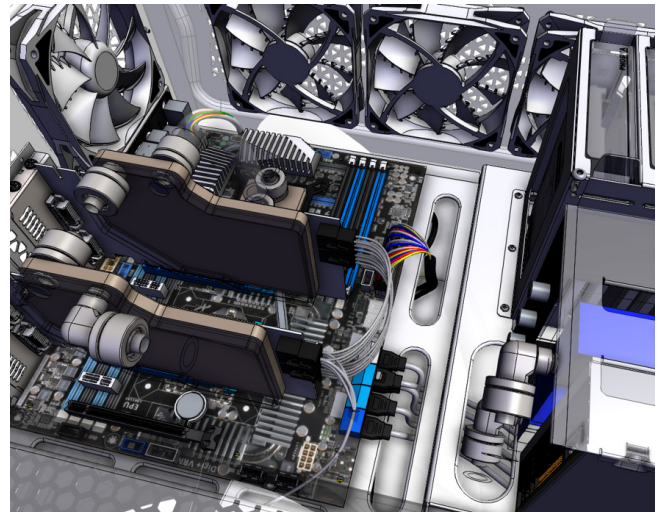
Detailed documentation & comprehensive sample applications for Desktop and Mobile in C++, C# and Java. Xamarin support on both Android and iOS allow you to leverage your C# code in mobile apps.

Advanced GPU Effects

Real-time shadows, reflection planes, silhouette edges, optimized transparency and multi-layer texturing for stunning graphics.

Advanced Visualization Functionality

Animations, Ambient Occlusion, Point-Cloud Visualization, fast clash detection with soft and hard clashes, multi-plane sectioning with endcaps, professional annotation options including 3D Bill-Boarding to address a variety of workflow challenges.



Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

