



**VIEW YOUR IDEAS AS YOU WANT THEM TO BE**

LINCEOVR MAKES COMPANIES SAVE MONEY AND TIME IN DESIGN, MARKETING AND SALE OPERATIONS. IT'S A POWERFUL INSTRUMENT FOR GENERATING **REALTIME HYPER REALISTIC COMPUTER GRAPHIC VISUALIZATION** OF 3D CAD MODELS USING THE MOST ADVANCED ILLUMINATION TECHNIQUES.

#### REALTIME RENDERING

linceoVR is an innovative Realtime Rendering Engine that uses the most advanced illumination techniques in order to generate very realistic computer graphic visualization. Thanks to HDRI and OPENEXR illumination, virtual models are rendered with realistic light effects. Furthermore, hard and soft percentage closer shadows can be dynamically managed.

A new innovative Global Illumination feature allows to render even more realistic shadows. Advanced visual effects like DOF, Glow, Lense Sphere and Auto Iris are available.

#### COMMUNICATION

linceoVR allows realtime visualization of the changes made of the 3D model in terms of material rendering, illumination, environment setting and shadows setting.

linceoVR supports high definition screenshot for photographic print. It permits preparation and playing of realtime rendered camera path and the exportation in avi format for high definition movie generation.

#### MATERIAL LIBRARIES

linceoVR offers the management of standard material libraries and dedicated materials libraires focused on specific sectors of application (e.g. automotive, architecture, etc.).

linceoVR also allows to create specific libraries on the specific needs of the customer.

#### USABILITY

linceoVR integrates a new concept of interface specifically developed for no expert users. It offers Drag & Drop approach for the most common functions, including model importation.

#### PERFORMANCE

linceoVR includes both automatic and manual management of the visualization performance parameters, allowing advanced settings for:

- Frame rate target selection
- Minimal quality of visualization selection
- Adaptive solution

#### VIRTUAL REALITY

linceoVR supports both active and passive stereovision and advanced display configuration aimed at projection on CAVE, high resolution PowerWall, cylindrical and spherical screens providing warping and blending controls.

#### ANIMATION/KINEMATIC

Virtual turntable  
Animation of single elements of the model

#### IMPORT

Basic import module for iges, step, stl, vml, dxf, obj and 3ds file formats.  
Advanced import modules for the most important cas, cad and cae software.  
Possibility of customized development of import module for specific file formats.

**seac02**

simulation engineering &  
□ □ □ advanced communication

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# linceoVR Solutions Suite

MODULE AND FEATURES	BASE	STANDARD	PROFESSIONAL	VR PRO
REAL TIME RENDERING	■	■	■	■
HARD & SOFT SHADOWS	■	■	■	■
MATERIAL LIBRARIES	P1	■	■	■
ENVIRONMENT LIBRARIES		■	■	■
DYNAMIC PERFORMANCE	■	■	■	■
HDRI LIGHTNING	■	■	■	■
NATURAL LIGHTNING			■	■
STEREOVISION				■
HIGH RESOLUTION OUTPUT	P2	■	■	■
VIDEO OUTPUT	P2	■	■	■
WEB EXPORT	■	■	■	■
ANIMATION	■	■	■	■
FREE RHINOTOLVR PLUGIN	■	■	■	■
FILE IMPORT vrml-obj-iges-step-3ds	■	■	■	■
NATIVE FILE IMPORT (caba, ug, ...)			CUSTOM	■
P1	it is'nt possible to add new material only modify existent			
P2	limited resolution: images 1024x768 - videos 480x360			

## Material Samples

