

VR-Design Studio (formerly UC-win/Road)		FreeView	Standard	Advanced	Driving Sim	Ultimate	*Presentation
File Management							
Save Data	Save as .rd files	✗	✓	✓	✓	✓	✗
Open Data	Open .rd files within VR-Design Studio	✓	✓	✓	✓	✓	✓
Save Images	Export jpegs from the 3D environment	✗	✓	✓	✓	✓	✗
Record AVI	Record and save avi videos	✗	✓	✓	✓	✓	✗
View							
Fly Through using Mouse	Navigate through the 3D environment	✓	✓	✓	✓	✓	✓
Use Multiple Screen	See recommended graphic card options	✗	✓	✓	✓	✓	✓
Orthographic View	Displays a 2D birds eye view of your project	✗	✓	✓	✓	✓	✓
3D Stereoscopic View	Active 3D stereo is implemented	✗	✓	✓	✓	✓	✓
Satellite View	View and edit the 3D environment in 2D from satellite view	✓	✓	✓	✓	✓	✓
Full Screen	Using full screen will hide the toolbar	✓	✓	✓	✓	✓	✓
Follow Flight Path	Ability to set a flight path to follow	✓	✓	✓	✓	✓	✓
Scripts	Ability to set scripts and simulate specific actions	✓	✓	✓	✓	✓	✓
Traffic & Pedestrian							
Pedestrian View	View the 3D space as a pedestrian would	✓	✓	✓	✓	✓	✓
Follow	Follow a specific route, vehicle or pedestrian	✓	✓	✓	✓	✓	✓
Travel on Road (inc vehicles with trailers)	Choose a vehicle to travel along a set route	✓	✓	✓	✓	✓	✓
Traffic Simulation	Set specific traffic conditions	✓	✓	✓	✓	✓	✓
Driving Scenario	Create a driving scenario based on your specific needs	✗	✓	✓	✓	✓	✓
Pedestrian/Animal Movement	Set flight paths for people and animals in the environment	✓	✓	✓	✓	✓	✓
Crowd Movement	Automatically populate with large crowds of pedestrians	✓	✓	✓	✓	✓	✓
Environment							
Environment Movement	Sun and moon position wind and rain direction ect	✓	✓	✓	✓	✓	✓
Visual Options	Allows user to set up parameters within VR	✓	✓	✓	✓	✓	✓
Sun Position	Position the sun to study the effect of shadows	✓	✓	✓	✓	✓	✓
Smoke	Particle size and smoke direction can be visualised	✓	✓	✓	✓	✓	✓
Fire	Differing intensities of fire can be visualised	✓	✓	✓	✓	✓	✓
Weather / Fog	Replicate and simulate any type of weather effect	✓	✓	✓	✓	✓	✓
Shadows	Shadows visualized	✓	✓	✓	✓	✓	✓
Advanced Light	Alter intensity of street, building and vehicle lighting	✓	✓	✓	✓	✓	✓
Before / After	Examine the results of 3D Space changes before and after	✓	✓	✓	✓	✓	✓
Editing							
Create Roads	Automatically create roads on the terrain	✗	✓	✓	✓	✓	✗
Create Railroads	Automatically create railroads within the 3D environment	✗	✓	✓	✓	✓	✗
Add Bridges/Tunnels	Automatically generate bridges and tunnels	✗	✓	✓	✓	✓	✗
Edit Terrain	Edit the terrain for your specifications	✗	✓	✓	✓	✓	✗
Download from Database	3000+ 3D models available to download	✗	✓	✓	✓	✓	✗
Add 3DS Models	Import 3DS models	✗	✓	✓	✓	✓	✗
Add Street Furniture	Import street furniture: signs, street lights, trees etc	✗	✓	✓	✓	✓	✗
Create Forests	Automatically generate forests	✗	✓	✓	✓	✓	✗
Add Rivers/Lakes	Automatically generate rivers and lakes	✗	✓	✓	✓	✓	✗
Traffic Editor	Ability to edit the traffic specifications	✗	✓	✓	✓	✓	✗
Traffic Connections	Set the traffic connections	✗	✓	✓	✓	✓	✗
Edit, Add Pedestrians, Crowds and Animals	Populate your 3D environment with pedestrians	✗	✓	✓	✓	✓	✗
Edit FBX Scenes and Animations	FBX editor screen within VR-Design Studio	✗	✓	✓	✓	✓	✗

Replace intersection with 3DS	Import 3DS models	x	✓	✓	✓	✓	x
Import Aerial Photo	Import arial photography for highy realistic environments	x	✓	✓	✓	✓	x
Place Road Obstructions	Import potholes, traffic cones etc	x	✓	✓	✓	✓	x
3D Tree Editor	Edit the apperance of 3D trees	x	✓	✓	✓	✓	x
Video Walls	Import video clips into 3D VR Space	x	✓	✓	✓	✓	x
Render sky & spherical mapping of textures	Sky can be rendered inside the 3D environment	x	✓	✓	✓	✓	x
Import LandXML	LandXML data supported	x	✓	✓	✓	✓	x
Import Shapefile	Automatically import Shapefiles	x	✓	✓	✓	✓	x
Driving							
Driving off-road	Ability to drive on or off the road within VR-Design Studio	x	✓	✓	✓	✓	✓
Driving Simulation	Realistic driving within the 3D environment	x	✓	✓	✓	✓	✓
Force Feedback	Automatic vibration from road surface to steering wheel	x	✓	✓	✓	✓	✓
Additional Associated Plug-ins							
Driving Simulator Plug-in	Enables driving in a Forum8 Drive Sim	x	x	x	✓	✓	x
CarSim Math Model	Integrates the Carsim vehicle dynamics math model	x	x	x	x	x	x
ECO-Drive	Calculates fuel consumption and the carbon footprint	x	x	x	✓	✓	x
Driver Diagnosis Plug-in	Evaluates driving skills within VR-Design Studio	x	x	x	x	x	x
Motion Platform Plug-in Option	Links Forum8 Innsim Drive sim with motion platform	x	x	x	x	x	x
Log Export Plug-in	Monitor, record & log information regarding individual vehicles	x	x	x	x	x	x
Replay Plug-in	The ability to record vehicle or pedestrian movements	x	x	x	✓	✓	x
Scenario Plug-in	Create interactive scenarios within 3D space	x	x	✓	✓	✓	x
Communication Plug-in	Web based communication system	x	x	✓	✓	✓	x
3rd Party Software Plug-ins							
Microsimulation Player (Vissim Microsim Interface) (S-Paramics Microsim Interface) (Legion Microsim Interface)	Records and plays micro-simulation data	x	x	✓	✓	✓	x
Legion Interface	Integrates data from Legion pedestrian simulation software	x	x	x	x	x	x
S-Paramics Plug-in	Integrates S-Paramics traffic simulation data	x	x	✓	x	✓	x
AIMSUN Linkage plug-in	Links Aimsun simulation software with VR-Design Studio	x	x	x	x	x	x
Point Cloud Modeling Plug-in	VR 3D modelling using point cloud data as the source	x	x	✓	x	✓	x
Point Cloud PPE (Photo Processing Extension)	Semi-automatic texturing of point cloud data	x	x	x	x	x	x
Civil 3D Plug-in	Links Autodesk's Civil 3D data	x	x	✓	x	✓	x
DWG Tool for VR-Design Studio	Import of 3D polygons or triangles as 3D models	x	x	x	x	x	x
InRoads Plug-in	Exchange data based on LandXML	x	x	✓	x	✓	x
SIDRA(Sidra Intersection 5.1) Plug-in	Import intersections designed in Sidra software	x	x	✓	x	✓	x
TRACKS Viewer	Analysis and interpretation of land use and transport planning	x	x	✓	x	✓	x
OSCADY PRO Plug-in	Allows automatic setting of signal phases and arrangements	x	x	✓	x	✓	x
OHPASS plug-in	Visualization of Ohpass calculations within VR-Design Studio	x	x	x	x	x	x
12d Model Plug-in	Links terrain and road data from 12D within VR-Design Studio	x	x	x	x	x	x
GIS Plug-in	Import various GIS file formats into VR-design studio	x	x	✓	x	✓	x
Emergency Event Plug-ins							
xpswmm Plug-in	General purpose 3D flood simulation rivers, lakes, sewers etc	x	x	✓	x	✓	x
Tsunami Plug-in	Simulate Tsunami events	x	x	x	x	x	x
Debris-Avalanche Simulation Plug-in	3D Visualization of landslides, avalanche etc	x	x	✓	x	✓	x
EXODUS Plug-in	Import 2D data from the EXODUS evacuation system	x	x	✓	x	✓	x
Noise Pollution Simulation Plug-in	General sound range is simulated within 3D space	x	x	✓	x	✓	x
Noise Sim Plug-in Super Computing Option	Generate noise simulation using the super computer option	x	x	x	x	x	x
More Plug-ins							

3D Model Output Plug-in	Output terrain, 3D models etc. In 3ds format	x	x	✓	x	✓	x
Remote Access Plug-in	Access and control VR-Design Studio from external app	x	x	x	x	x	x
IFC Plug-in	Terrain data in IFC format can be imported	x	x	x	x	x	x
Plug-in for Loading Parking Lot Model	Imports CAD data of parking lots					✓	
RoboCar® Plug-in	Links VR-Design Studio with car robotics platform Robocar	x	x	x	x	x	x
Super Comp Cloud® Fluid Analysis Plug-in	High performance computing on cloud services	x	x	x	x	x	x
Cluster Plug-in Supports Multi-user Simulation	Supports 3 slave PCs and 1 master max	x	x	x	x	x	x
5 Slave PCs	4 slaves and 1 master	x	x	x	x	x	x
10 Slave PCs	9 slaves and 1 master	x	x	x	x	x	x
16 Slave PCs	15 slaves and 1 master	x	x	x	x	x	x
Cluster Client Version	One licence per client / slave	x	x	x	x	x	x
Multi-user Client Version	Links multiple PC's within 3D environment						
Data Conversion Tool (with RoadDataViewer)	Displays the information of an object within the 3D space	x	x	x	x	x	x
Munsell Color Space Output Plug-in	Convert the displayed screen into the musell color system	x	x	x	x	x	x
3D Point Cloud / Work Progress Control Plug-in	Review your point cloud project within 3D space	x	x	x	x	x	x
Free Viewer output plug-in	Output VR-Design Studio and move within the 3D space	x	x	x	x	x	x
F8 Kinect plug-in	Handless driving simulation with infred sensor	x	x	x	x	x	x
cycleStreet Linkage plug-in	Virtual cycling system within VR-Design Studio 3D Space	x	x	x	x	x	x
Rhino plug-in	Links with Rhino software	x	x	x	x	x	x
Oculus Rift plug-in	Navigate and view the 3D environment using Oculus Rift	x	x	x	x	x	x
Video Training Tutorial							

*There is an additional charge for USB Protect Key