

# Visualizer - Map and 3D Flight Engine

Visualizer is Instrument Control Sweden AB's highly advanced 3D Flight Engine. It is completely developed in house using the latest development tools i.e. Visual Studio 2008. Visualizer is wrapped in a .NET Framework compatible graphical component. It is also compliant with MONO .NET Framework which enables it to run on Windows, Linux and Mac OS operating system. Visualizer has support for both OpenGL and DirectX rendering. Visualizer has been used by over 500 users as 3D Flight Engine in a Mission Debrief Software called CMDP which is specially developed for the US Air Force.

## Your 3D Flight Engine

Visualizer is a .NET Framework compatible 3D Flight Engine which can boost up your real-time or non-real-time 3D application. It has all the features required for visualize your aircraft, helicopter or ground vehicles in realistic 3D environment. It has built in support for accessing highly detailed imagery and elevation data for free directly from the Internet. All imagery and elevation data is cached locally so you only need to connect to the Internet when you require new data download. You can also import your own imagery and elevation data. All common imagery and elevation formats are supported. The engine support rendering of unlimited number of vehicles, buildings etc. the only limitation is the hardware performance. Multiple camera, radar, SAR sensors can be visualized synchronized with each of your vehicles. The sensor coverage area is transparently overlaid on top of the terrain. Each vehicle can have a variable length 3D trace and UAV routes and waypoint can be integrated as well.

- All around the world terrain coverage
- Both 2D Map & 3D modes available
- Supports standard WMS interface for custom map layers
- Connects to real Aircraft input parameters
- Support Standard Aircraft Model formats
- Runs on Windows Vista/XP/2003/2000, Mac OS or Linux
- OpenGL and DirectX rendering support
- Multi Aircraft Support
- Trace Indicator
- Multiple camera modes
- Sensor Coverage Indicator (Radar, Camera etc.)
- UAV Routes and Waypoints



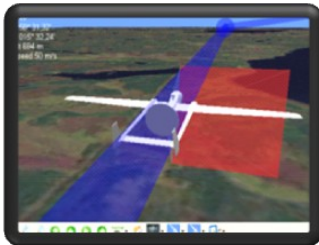
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A full range of features which helps you get the most out of your 3D Flight application

## Flight Visualization



## Applications



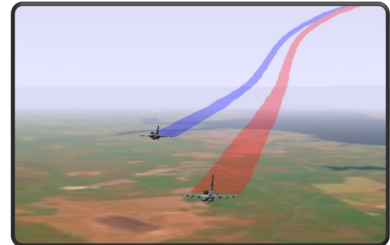
### UAV Visualization

Integrate the Visualizer in your UAV simulation software and get the rich UAV route and waypoint visualization features



### Mission Planning

Use the Visualizer in your Mission Planning application so that you can simulate your flight before it is actually taking place



### Multi Aircraft Real-Time Visualization

Use the Visualizer to render multi aircraft chase scenarios or simulations. The Visualizer can be connected to a real-time data



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