MAG_3D
VIRTUAL VISUALIZATION MODULE

MAG-3D

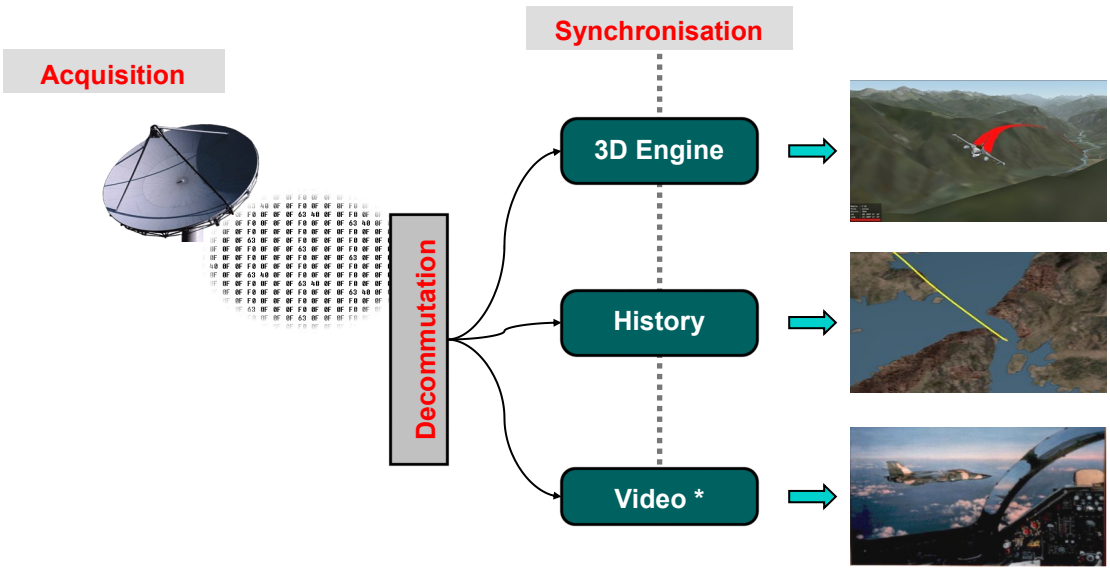
DESCRIPTION

MAG 3D virtual Visualization Module is an advanced tool for 3D & 2D animation and visualization of ground/air mobiles (aircraft, helicopter, ground vehicle, etc…), based on **real data from telemetry, direct acquisition or replay.**
3D Virtual Visualization Module perfectly recreates **test flight scenes** or ground manoeuvres and fully meets any user's requirements.

KEY FEATURES

- Very Realistic **3D, 2D animations**
- Large range of aircrafts and targets available
- Animation based on **recorded flight data**
- Several visualization modes : 3D, 2D, Zoom..
- **Multiple camera position**
- Synchronized with the other visualization modules historical time and video.
- **Trajectory display**

The parameters (altitude, longitude, latitude, speed, position, …) are directly connected to the MAG 3D module for animation of the mobile on the 3D landscape.
The visualization can easily be switched between : 3D mode, 2D map mode, global visualization mode, camera point of view, zoom…
The 3D engine is internally strictly synchronized with the other visualization modules historical time and video.
The MAG 3D engine is optimized with "state of the art" algorithms for fluid and high resolution display frame, even on standard PC (3D graphic card recommended).
Landscapes and mobiles are generated with appropriate tools (option) in standard formats.



* optional

NEXEYA

MAG-3D

3D Terrain

3D objects as aircrafts, UAV, missile, helicopters, ground vehicles or others can be imported to enhance the realism of the application.

Camera

The point of visualization can be defined in the scene or in the 3D Dynamic objects, such as the aircraft cockpit, or any other point in the scene.

Data sources

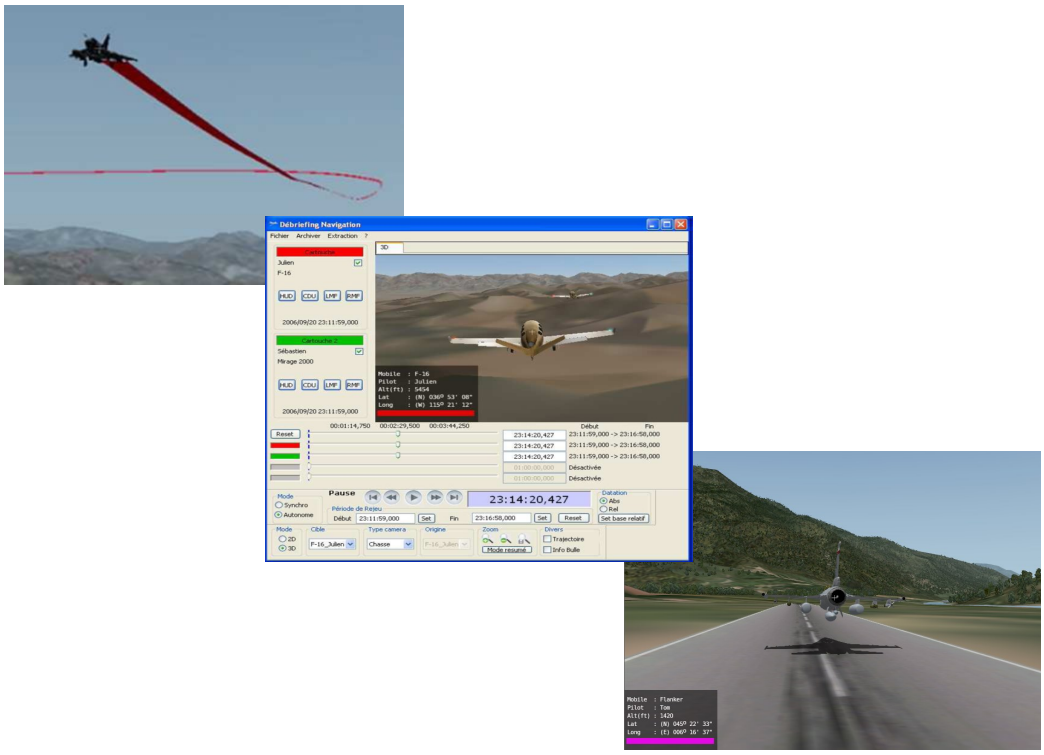
The position and attitude of the mobiles are issued from telemetry parameters (after decommutation) or GPS data (embedded telemetry messages or independent acquisition).

Magali modes

The Real-Time 3D Visualization can be run during the mission (real-time) or in replay mode.

Synchronization with other parameters

The Real-Time 3D Visualization is displayed standalone or synchronized with other **MAGALI** visualization such as time-history parameters and videos. The videos come from embedded telemetry messages or other acquisition sources. They are usually coded in MPEG or JPEG format.
The visualizations are displayed on one or several monitors.



www.magali.com

Specifications are subject to change. Please, verify the latest specifications prior order.

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