

PHOTOMOD

3D-Mod

Creating 3D metrically accurate
landscape models



Spatial aerial
triangulation

Digital terrain models

2D and 3D-vectorization

Orthorectification
and mosaic creation

Map making

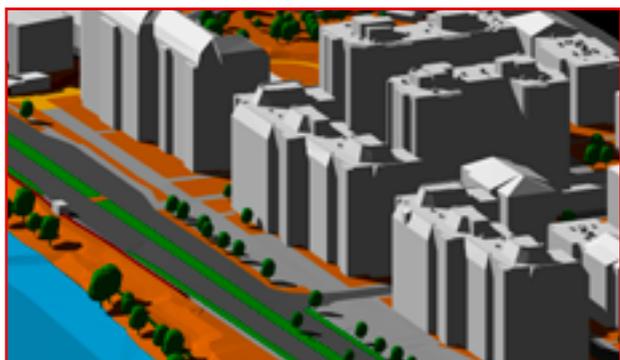
3D-modeling



PHOTOMOD 3D-Mod is designed for 3D modelling, rendering of 3D textured landscape models and creating animated presentations. The resulting model, due to the high quality metric may be used for solving applied analytical problems. It can be used to build an eye-catching visual presentation of 3D landscape information, showing spatial arrangement of objects, layout of settlements and panoramas of modern cities. Being constructed from remote sensing images and real photo textures, objects look real-

istic and can be easily identified from any viewpoint. 3D graphics is perfectly integrated into different multimedia presentations and sites, so with 3D-Mod you get tools to create spectacular and visually-engaging media presentation and share your design with others.

PHOTOMOD 3D-Mod can be used both as a basic 3D modeler and viewer, as well as an integrated part of a more broad-based solution, providing creation of metrically accurate 3D models.



Main capabilities of PHOTOMOD 3D-Mod:

- Automatic creation of 3D landscape models over either constant elevation or real earth surface represented by DTM.
- Automatic 3D reconstruction of buildings and structures from vector polygons outlining tops (roofs) in 3D space. Upper surface can be further refined by break-lines to build roofs with complex shapes.
- Tools for object geometry editing.
- Manual or semi-automatic object texturing from object's photos.
- On-the-fly rendering of created models.
- 3D navigation tools (pan, rotate, zoom) and viewing models (wireframe, solid or texture).
- 3D models editing and rendering in stereo mode (anaglyph and high quality page-flipping modes are supported).
- Animated media presentation creation for showing panoramic model views and objects along defined path of motion and saving them to AVI files.
- Support for the following exchange formats: DXF (AutoCAD), 3DS (3DMAX), COLLADA DAE (Google SketchUp), PHOTOMOD ASCII-A.

Racurs provides unlimited technical support for its customers. Experienced software support specialists provide immediate professional help by phone, fax or e-mail.

Download Lite version of PHOTOMOD! The program is created to help familiarize with the systems features and functionality and allows you to perform test projects using your data.



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