



Recommended hardware for the taravRbuilder

1 Basics

Basically the taravRbuilder requires a 3D graphics card and the CPU of the computer in equal measure for the construction phase and animation of very large 3D scenes. Therefore it is meaningful to adapt these both components with each other. E.g. an exchange of a very fast 3D graphics card into an older system with slower CPU and vice versa the exchange of an updated CPU by re-utilization of an old graphics card wouldn't be very suggestive.

2 CPU

The taravRbuilder supports Dual Core CPUs. The CPU is responsible for the reaction rate of the software in the editing mode (e.g. loading time of the project), but also for the calculation of the animations in the 3D model. Basically you can say: The higher the CPU cycle, the faster the system.

3 3D graphics card

The taravRbuilder also runs with so-called onboard graphics cards. But the capability of these integrated graphics cards is not enough to present large 3D scenes flowingly. Therefore we recommend "real" 3D graphics cards of the producer nVidia or ATI. The capability of both (in different price ranges) is similar, as far as our experience goes the software of the operating company of graphics cards from nVidia is better. taravRbuilder supports both graphics modes: Direct 9.0c and OpenGL 2.0.

The expensive OpenGL CAD graphics cards are not mandatory, the cheaper consumer cards e.g. with the GeForce chip set have, referring to taravRbuilder, the same capability!

4 Main memory

Very large 3D scenes require not only the graphics card memory but also the main memory of the computer. Therefore we recommend the most usable amount of main memory that is supported by the system software. Upper limit is ca. 4 GB for 32 bit system software, and 8 GB for 64 bit system software (e.g. Windows Vista Ultimate 64 bit).

5 Current recommended reference systems (last update 2009-07-15)

premium

CPU: Intel Core 2 Duo E 8600 (2 x 3333 MHz)

graphics card: nVidia 9800GTX+ or higher

main memory: 4 GB DDR2-800 (or 8 GB at 64bit system software)

main board: with Intel P45 chip set

high-end

CPU: Intel Core i7-975 (4 x 3333 MHz)

graphics card: nVidia GeForce GTX 295

main memory: 4 GB DDR3-1333 (or 8 GB at 64bit system software)

main board: with Intel X58 Express chip set