

SeeReal presents 3D display with record-breaking resolution

(Dresden, November 2003) SeeReal Technologies GmbH has managed another major step in the area of 3D visualisation. The company has developed a 20-inch 3D display that provides the worldwide highest image resolution. Its 'C-nt' prototype has a maximum resolution of 1600 x 1200 pixels - a 30 per cent higher resolution than ordinary 3D monitors can offer.

In the medical field, the display allows for three-dimensional visualisation of human organs at an entirely new quality level, without requiring any additional glasses. This way, especially very fine structures and spatial depths are displayed in a fully realistic way. The display can show live videos in realtime as well as computer-generated 3D images and processes.

"The realistic visualisation of organs and tissue allows for a substantial quality increase in research and surgery. The 3D technology supports the medical staff especially in analysis, diagnosis and operation planning," says CEO Lars Povelsen. "It enables faster and more precise diagnoses. By means of virtual operation planning, different possible solutions can be simulated without a great effort. The use of the 3D display will further result in a new quality level of documentation and evaluation of three-dimensional patient data."

According to Povelsen, the special demands of the medical field were in the focus of attention when developing the 'C-nt': "We know about the weak points of 3D technology that have so far restricted its wide use in medicine." By means of the prototype, SeeReal would like to demonstrate that such difficulties have been overcome. "When it comes to resolution, brightness and software compatibility, SeeReal is setting new standards."