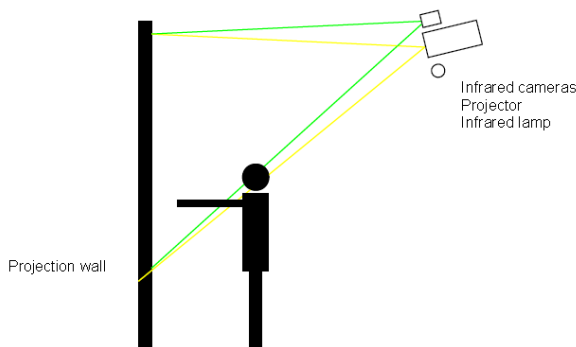
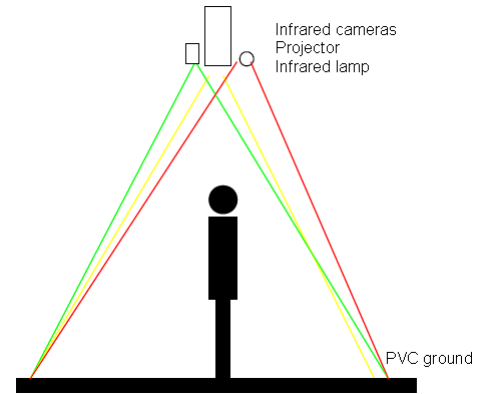


InterFloor interactive projection system

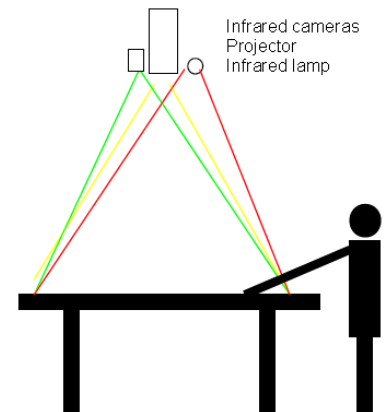
Principle of InterFloor

InterFloor Interactive projection system is a new type of multi-media platform. It makes use of advanced computer vision technology and projection display technology to create a dynamic interactive experience fantasy. It is different from traditional touch screen, there is no other medium, users can directly make use of feet or hands to interact with virtual scene in projection area. The system has a high novelty and enjoyment which can create a very good atmosphere. It can increase scientific and technological content of exhibition to raise popular exhibition goal. Projection system contains a set of interactive rendering module and a group of signal acquisition and processing module. The two systems can exchange through network switches. Image acquisition



subsystem hardware mainly includes an infrared sensor signal. And its function is to capture visitors' movements and make analysis and processing. They will report the results to the rendering server. Rendering subsystem mainly includes a projector, and its function is to receive image acquisition subsystem and generates corresponding images. The images will appear on displayer

or ground so as to achieve the most natural display effects. All of the images acquisition and processing / rendering works are completed in workstation. The whole system captures the precise location of audience in infrared sensors and converts the coordinates of internal computer and control commands. The control of multimedia can achieve the interaction and selection of users on projection window. Tracking precision can achieve pixel level.



XiJi International LTD.

TEL : 886-2-2321-2190 FAX : 886-2-2321-2009

100Room 1.2F., No. 24, Beiping, E. Rd., Jhongheng District, Taipei City, Taiwan(R. O. C.)

http : <http://www.xi-ji.com/English.html>

InterFloor System

- ◆ The software includes camera acquisition and control program and interactive application program
- ◆ 20 kinds of special effects are included
- ◆ The hardware provides infrared camera (2.8mm-12mm zoom wide-angle lens), professional video capture card and auxiliary infrared light which make the projector have a better capture effect
- ◆ Super easy console software.
- ◆ Provide technical manuals.
- ◆ The picture and video resources in templates can be replaced arbitrarily.
- ◆ User can make own effect by himself based on Flash/WPF/Directx/OpenGL etc.
- ◆ Provided with SDK examples of Flash 、C# 、 C++ 。
- ◆ Use mouse event to simulate user input to client.
- ◆ Use Socket TCP to communication with client.

Recommended configurations of InterFloor

- ◆ CPU Intel Core 2 Duo E8200 or higher
- ◆ Memory 2G
- ◆ Hard disk 160G
- ◆ Display card Nvidia 7900GS or higher
- ◆ Windows XP



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