Lab Equipment

**Motion Capture System**

1. **Phasespace Impulse X2**:

   Our group has recently re-equipped with a new motion capture system (the new Phasespace Impulse X2 motion capture system with active LEDs) and a 3-wall immersive virtual reality set-up.

   The Phasespace Impulse X2 system uses 8 cameras that are able to capture 3D motion using modulated LEDs. These cameras are able to capture the unique modulation of each marker, and they are able to combine the information from several frames and hence identify the marker from its unique modulation.

   Our system is able to capture 3D motion data over time of a single character, maintaining the correct human proportions and making it ideal for use in dance schools and studios.

2. **Optitrack Motion Capture system**:

   Motion capture system (http://www.naturalpoint.com/optitrack/) with 12 cameras
Multipanel 3D Display

Assembled by members of the lab using three 3D enabled projector
Multi-touch Table
Equipment

Left: the multi-touch table prototype. Right: unit stationed at the Leventis museum (http://www.leventismuseum.org.cy/).
Both were developed by members of the group "Virtual Tour System".

Developed for the Leventis museum. Uses a touch screen to control the interactive demo displayed...
Both the interactive demo and the tour system were developed in the lab.

Other Lab Equipments

- Microsoft Kinect consoles
- Equipment for 5D facilities
- 3D head mounted display
- Data glove
- Access to 3D scanner