

Screens and Projection Rigs for Simulation and Visualisation Systems



info@rearpro.com

www.rearpro.com

Paradigm has 15 years' experience supplying high quality, specialist projection screens for simulation and visualisation applications.

We have also developed construction and mounting systems with which we create accurate and robust rigs that integrate projector, mirror and screen elements for any viable light path design.



We can advise in great depth on screen usage and we design unique rigs for each individual project – providing AutoCAD drawings and building to full ISO9001:2000 quality standards.



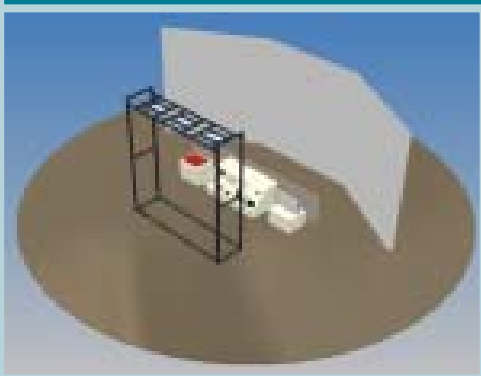
Curved Front Projection

We create curved displays from rigid substrates or from flexible screen material stretched over specially designed frames.

Projector mounts can be constructed around virtually any cockpit or cab and set up with projectors edge-blended to give a near perfect seamless display around a complete 180° field of view.



Segmented Front Projection



Using rigid or flexible screens we can create multiple channel systems to give the possibility of displays with up to 360° field of view.

In these applications, the projectors use hard edge blending, but the images can be exactly positioned to leave only a hairline join.

Stereo Visualisation Systems

Our latest rear projection screens generate excellent brightness and colour uniformity. They achieve outstanding contrast ratios and are well suited for a wide range of stereo applications. (We have samples to test with your systems for polarisation etc.)

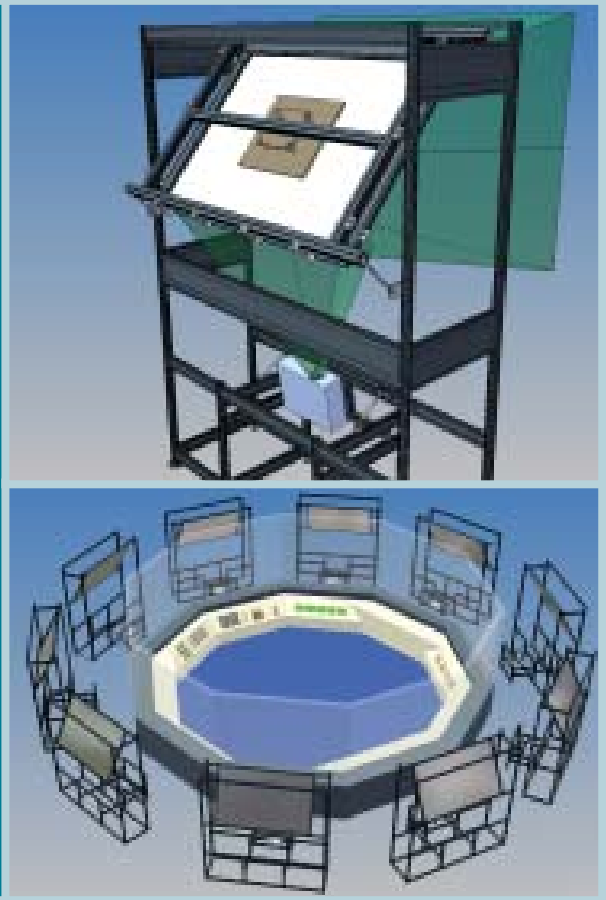


Segmented Rear Projection

Using our mirror rearpro rigs we create multiple channel systems to provide displays with up to 360° field of view.

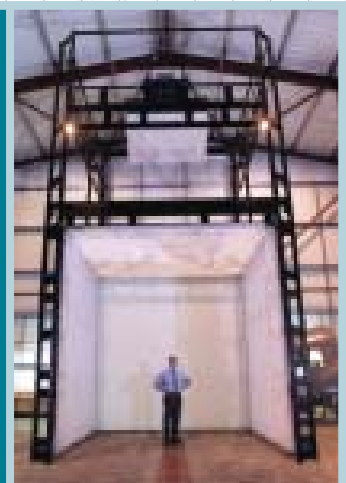
In these applications, the images are precisely positioned to leave only a hairline join.

Our rear projection solutions allow higher ambient light levels to be maintained within the viewing area - and keeps the projection engines out of sight and hearing. The use of mirror rigs keeps the installation footprint to the minimum.



Rear Projection Caves

Our segmented rear projection techniques are also used for fully immersive environments. This is a four channel example (4m x 4m x 4m) comprising three walls and a ceiling. More complex systems employing multiple polygonal 'cells' are also possible.



Cabinet Systems

Self-contained single and multi channel solutions are another area of specialisation. This example is an active 2 channel system.

High Quality Rigs & Components

As leaders in optical path engineering we are proud of our products. Projector mounts offer adjustment in all planes. Mirror frames can even be ordered with adjustable distortion to counterbalance projector and lens effects. Products are rigid and robust, and are easily assembled and de-assembled for maintenance. More detailed specifications, examples and costings are available upon request.



Projection Screens

We supply and use the best screens, sourced from all over the world. For curved screens we use both rigid and flexible materials. As exclusive distributors for dnp's optical screens, we also offer advanced Fresnel and other lens technologies (only suitable for flat screens). Please ask for separate specification sheets – or visit our web site.

About Us

Paradigm is the EU's leading rear projection expert, providing everything from materials to complete solutions for even the most demanding applications. We don't sell projectors and, as a consequence, we can work at partnership level with all the major manufacturers to ensure you achieve the best from your chosen projector.



Paradigm Audio Visual Ltd

Swan Works, Box End Road, Bromham, Beds MK43 8LT.

Tel: +44(0)1234 843388 Fax: +44 (0)1234 854477 e-mail: info@rearpro.com website: www.rearpro.com