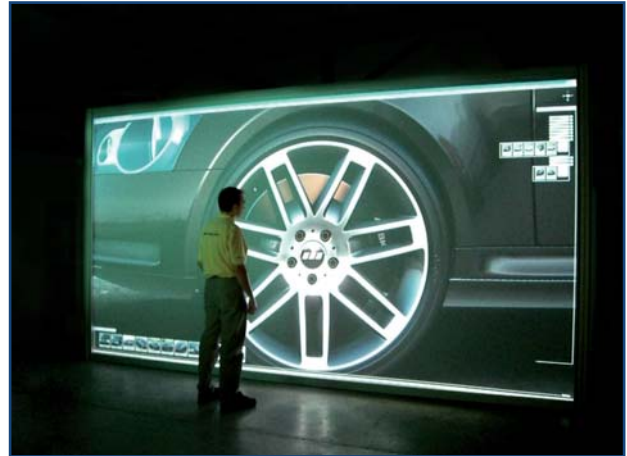


# ApolloWall-Pro

Ultra-High Resolution Visualisation Solution For  
Automotive Projects & Mission Critical Application Reviews

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## Ultimate Resolution For Ultimate Realism

The ApolloWall-Pro is the latest ultra-high resolution addition to the Apollo range of large-scale immersive visualisation display solutions from ITP Group. The ApolloWall-Pro is designed specifically to cater for users requiring visualisation of their datasets and applications in true 1:1 scale with photo-realistic resolution. Developed in partnership with Sony, the ApolloWall-Pro uses the latest Sony SXR4 4K or Sony VPL-FH300 2K projectors, with up to 8.8 Mega Pixels in a (4096 x 2160) configuration, to create one of the world's highest resolution 16:9 ratio display walls.

The benefits are immediately clear when using this technology. It is almost impossible to see pixels on this size screen and the installation and overall maintenance of the system is simplified as there is no need for multiple / overlapped and blended projector setups, as used in the past to create displays of this size and resolution.

## Complete Turn-Key Solutions

ITP Group can ensure that each turn-key solution is designed to exact client specifications. The ApolloWall-Pro comes in a wide range of screen sizes and includes specialist optical fold-mirror rigs (OptiRig), used to ensure a minimum footprint for the rear-projection setup. ITP Group work in partnership with HoloVis International, Sun Microsystems and Nvidia to deliver the specialist computing and graphics cluster technology required to drive these type of displays. ITP Group also works with various leading CAD software partners worldwide to ensure a complete solution.

## Passive Stereo Immersive 3D

Using a HoloVis twin-stacked projection rig, passive stereo filters & stereo eyewear, two Sony SXR4 4K projectors and an upgraded computer cluster, ITP Group's display solution can be configured to work with stereo-enabled software to create fully-immersive 3D imagery when complete immersion in the dataset is required. ITP Group can also offer options for integrating head / hand tracking systems into the display, as well as various other input devices.

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## ApolloWall-Pro Specification:

<b>Display</b>	
<i>Screen Size</i>	
Portable System	Viewable screen area 4.7m x 2.5m (+4.3m depth using fold mirror)
Bespoke Size	Custom screen size to client specification dependant on access
<i>Screen Type</i>	
Stewart Fabric	For portable systems & where solid screens cannot be installed
Stewart Solid	Solid acrylic screen & laminated glass screen options (Screen options with polarisation preserving for passive stereo)
<i>Projector</i>	
Sony SRX-S105 4K	4096 x 2160 pixels (native resolution)
Sony VPL-FH300 2K	2048 x 1080 pixels (native resolution)
Lens Options	Various options depending on installation / setup requirements
Image Generator (IG)	Sun Microsystems PC Cluster (As Standard)
Graphics Cluster	Latest Nvidia Quadro cards & QuadroPlex systems (As Standard)
Mono Projection	Single projector solution required
Stereo Projection	Twin-stacked projection setup with polarised filters & eyewear
<b>Structure</b>	
Screen Frame	OptiRig aluminium extrusion structure & screen clamping technology. Screen frame can be set into site floor should a complete floor-to-ceiling image be required
Optical Rigs	OptiRig aluminium extrusion structures for projector rigs & optical fold-mirror rigs (using silver-fronted safety mirrors). Mylar mirror solutions available for larger installations
<b>Optional Extras</b>	
Stereo Eyewear	Aviator-style & paper options
Motion Tracking	Optical Camera or Hybrid head & hand tracking options
Input Devices	Wand, 3D mouse & DataGlove solutions available
Audio	Audio solutions designed to exact requirements & environment
Software	Various software packages available through partner organisations
<b>Installation</b>	Global installation services 4 - 6 weeks approx.
<b>Warranty &amp; Support</b>	Extended warranty & dedicated support packages available. Optional remote management, system control & real-time 24/7 monitoring support solution