

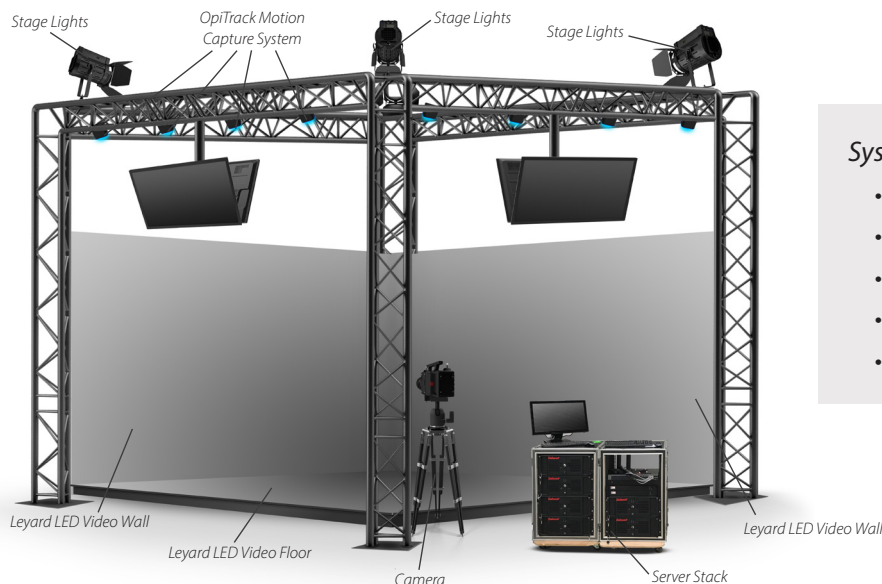
Real-Time Virtual, Augmented and Reality Experiences

Leyard® Reality Solutions™ provide fully immersive solutions with stunning, realistic experiences from broadcast sets to simulation environments to the latest in collaborative virtual reality (VR).

Utilizing the latest LED video wall and floor technologies with motion capture sensors and cutting-edge software, Leyard Reality Solutions create immersive environments for real-time exploration of 3D models in the physical space. This dynamic solution brings content to life for a wide range of applications including broadcast studios, visualization of volumetric data for analysis or exploring virtual worlds for collaborative game play.

Full Panoramic Solution

Leyard Reality Solutions are highly customized systems, designed and tested for each application. The physical structure for Leyard Reality Solutions features hardware components paired with a suite of software and services for 3D simulation, spatial positioning and tracking, multi-channel 3D suture system and real-time Physically Based Rendering (PBR), as well as custom 3D model and content development.



System hardware components include:

- Leyard® LED Video Walls
- Leyard LED Flooring System
- OptiTrack™ Precision Motion Capture System
- Tracking Rocker Camera
- Leyard 3D Simulation Processors

Superior to Green Screen

Leyard Reality Solutions expand the possibilities for immersive technology by eliminating limitations created by traditional green screen technology. With tracking and camera location, actors in scenes can provide unique views and visual clues to on-set personnel. With no wardrobe color limitations, it is incredibly accurate with objects, furnishings and props. With Leyard Reality Solutions, a single set can be used in multiple shows for better cost-efficiency, flexibility and cost-savings.

Collaborative Virtual Reality

Multiple spokespeople, players or users can take part in shared experiences by interacting with content in a scene at the same time. Using a head mounted device (HMD), in scenes can transform into an accessible and compelling crowd viewing experience—perfect for eSports, architectural visualizations, education and other multi-player experiences. Additionally, Leyard offers 3D model development services to bring skeletal animation in virtual environments to life. This allows augmented reality (AR), virtual reality (VR) and 3D stereographic views of an experience.

Perfect for High-Performance Applications

Key Features:

- Virtual broadcast set for on-camera viewing
- Data visualization and analysis of 3D models
- Education or training simulations
- Tourism innovation and destination simulations
- Shared crowd viewing
- Military simulation
- Architectural renderings and walk-throughs
- Real estate development previews
- Product design collaboration
- Collaborative VR visualizations and game play

Proprietary 3D Suture Adds Realism & Depth Up to 16,000 Square Miles

Traditional stitching or alignment of LED displays into multi-display configurations aligns images and content across display surfaces for proper 3D perspective. Leyard's unique 3D suture technology includes special positioning to display content with spatial perspective effects. When combined with high quality 3D models, the scenes appear real to viewers. Viewers believe they are seeing 250 feet or 400 kilometers into the distance, instead of a set comprised of video walls in close proximity.

LEYARD

Leyard and Planar are trademarks of Leyard Optoelectronics Co., Ltd. and Planar Systems, Inc. All other trademarks and service marks are the property of their holders.

www.leyard.com

Copyright © 2017 Leyard Optoelectronics Co., Ltd. and Planar Systems, Inc. All rights reserved. This document may not be copied in any form without permission from Leyard or Planar. Information in this document is subject to change without notice. 12/17

North America
1-866-475-2627
sales@leyardgroup.com

EMEA
+421-907-775-941
sales.emea@leyardgroup.com

APAC
+86-755-29671180
info.asia@leyardgroup.com

Japan
+81-3-6915-2768
info.japan@leyardgroup.com

Latin America
+55-41-3059-5100
info.brazil@leyardgroup.com