

| domeprojection.com® |

domeprojection.com® ProjectionTools:

Unsurpassed Image Quality

Ultra-Efficient Auto-Alignment

High End Automatic Projection Alignment
and Calibration Technology for:

- ▶ Visual Display Systems
- ▶ Fulldome, Planetarium and Media Based Attractions
- ▶ Digital Cinema
- ▶ VR & AR Displays (CAVE & Power Wall)
- ▶ Interactive Multimedia Installations

Dedicated Software for 360° –
and Fulldome Video Capturing



ProjectionTools for Simulation, Training & Entertainment

High End Automatic Camera-based Alignment & Calibration Technology for any kind of Visual Display System

Seamless multichannel projection is increasingly replacing tiled displays in many different markets and application areas - from professional simulation and training to entertainment and large-scale events. Multichannel projection covering the whole field of view is nowadays much better suited to immerse viewers in a virtual environment.

For real immersion the visual display system must have a perfectly matched projection geometry and color as well as a homogeneous picture quality. The powerful **domeprojection.com**® ProjectionTools enable operators to achieve these goals in a fast and easy manner: by employing one or more cameras to measure the screen and by calculating all required information for distortion correction (warping), blending as well as color correction, perfect alignment is a matter of minutes.

The fully automated, hardware-agnostic process based on test pattern projection, advanced machine vision and sophisticated mathematical methods is thus dramatically enhancing the quality of every visual display system.

MARKETS

The **domeprojection.com**® ProjectionTools and associated hard- and software are – amongst other developing multi-display markets and applications – commonly used in the following areas:

- ▶ Civil- and Military Simulation & Training
- ▶ EXPO, Events and Trade Shows
- ▶ Themed Entertainment, Leisure- & Amusement Parks
- ▶ Planetariums
- ▶ Museums, Science Centers & Exhibitions
- ▶ SPA & Wellness Centers



ProjectionTools for Simulation,



domeprojection.com[®]

Camera-based alignment and calibration technology...

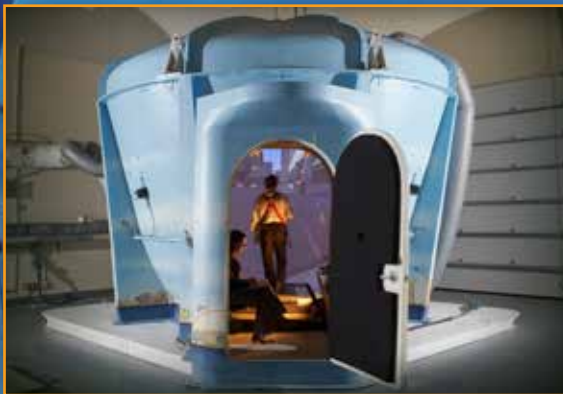
... can be integrated in all applications and systems which require automatic alignment of multichannel projection, warping and blending, color correction or projection mapping, e.g.:

- ▶ Virtual-, Augmented & Mixed Reality for Simulation and Training
- ▶ Multichannel Display, -Digital Cinema & -Projection Systems
- ▶ Fulldome Projection Solutions
- ▶ Entertainment Simulators & Dark Rides
- ▶ Interactive Immersive Attractions
- ▶ Media Façades
- ▶ Projection Mapping On Stage, Buildings, (moving) Objects etc.
- ▶ Multimedia – Multitouch – Multiuser Display Systems

domeprojection.com[®] camera-based alignment and calibration technology is focused to perfect the alignment and calibration process.

It is easily integrated in available 3rd party systems and technology dedicated to apply the correction data, such as:

- ▶ Media Servers
- ▶ Projectors
- ▶ Graphics Boards
- ▶ Hard- and Software for Warping & Blending
- ▶ Planetarium Software



Training & Entertainment

domeprojection.com[®] offers:

- ▶ Auto-Calibration Software licensing
- ▶ Auto-Calibration Services
- ▶ Training and Support
- ▶ Rental...

... of our own products but we also develop customized hard- and software.

We offer services for special solutions and projects, which require tailor-made calibration, advanced machine vision and 3D reconstruction technology tools including, but not limited to:

- ▶ 360° Camera Rigs and Software
- ▶ 3D Reconstruction
- ▶ 3D Mapping
- ▶ Camera-Based Tracking Systems



Authorized Dealer: