

# AutoAlign Suite

## Automated re-alignment system



- Accurate and repeatable re-alignment tool for multi-channel visual quality assurance over time
- Dramatically improves System operation and maintenance
- Includes the TREALITY® XDS-RACU and Polaris™ for easy control
- Motion base compatible through rugged hardware
- Deals with obstructions like cockpits, HUD, etc.

### A powerful tool to automatically re-align the TREALITY® visual display systems

Setting up and maintaining a multiple projector display system can be a daunting and time-consuming task. The TREALITY® AutoAlign suite provides an automated re-alignment system deployable on multiple systems and compatible with a full portfolio of simulation projectors. It enables you to quickly and easily maintain a multiple projector system with minimal user intervention. Advanced technology allows you to perform repeatable and accurate re-alignments that exceed typical human performance standards.

### Consistent quality across multiple channels over time

#### ACURAS:

Accurate color and luminance measurements which compensate for drift(s) and aging

#### OmniBlend:

Automatically generates perfect blends for seamless overlaps and perfect display quality

#### AutoGeometry:

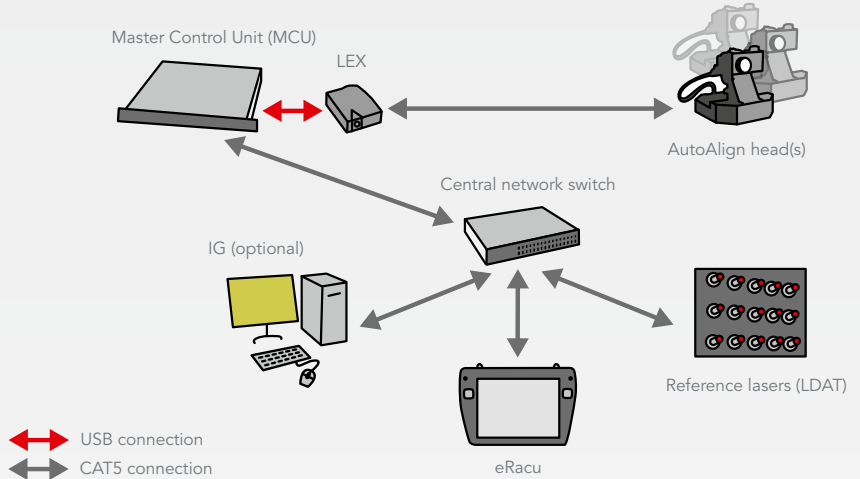
Re-aligns geometry after intervention with high positional accuracy

# AutoAlign Suite is a system of tools working together to automatically re-align your TREALITY® visual display system

## The AutoAlign Suite

The AutoAlign Suite allows comprehensive adjustments for brightness, color and geometry. More accurate re-alignments can be achieved by means of a spectrometer and a high-resolution still camera. It works hand-in-hand with the TREALITY® XDS-RACU display management suite for maximum flexibility. The removable alignment head deals with obstructions, supports multiple alignment head locations, and multiple golden alignments and settings. A rugged version for permanent mounting inside moving platforms is also available.

## Hardware configuration



## XDS-RACU

The TREALITY® XDS-RACU is an advanced PC-based system that lets you control all the projectors in the TREALITY® display system to simplify initial alignment. This system gives you the power to efficiently and accurately perform the re-alignment process, ensuring optimum visual quality over time.



## Polaris

The TREALITY® innovative and powerful Polaris generates user-specified test patterns for fast and easy re-alignment of the visual display.

## Software packages

- Acuras:** enables automatic color, brightness and uniformity correction
- OmniBlend:** enables automatic edge blending correction using electronic soft edge matching
- AutoGeometry:** enables automatic re-alignment of projector geometry

## Global network for system support

TREALITY is committed to providing world-class, worldwide service and support, including after-sales technical support, product and application training, and documentation services. Our customer support specialists provide professional, accurate, and timely responses seven days a week, 24 hours a day.

AutoAlign head part numbers	
R9843500	Standard AutoAlign head
R9843501	Ruggedized AutoAlign head
AutoAlign license part numbers	
R9843505	Acuras license for AutoAlign on a single system
R9843506	OmniBlend license for AutoAlign on a single system
R9843507	AutoGeometry license for AutoAlign on a single system

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