

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:

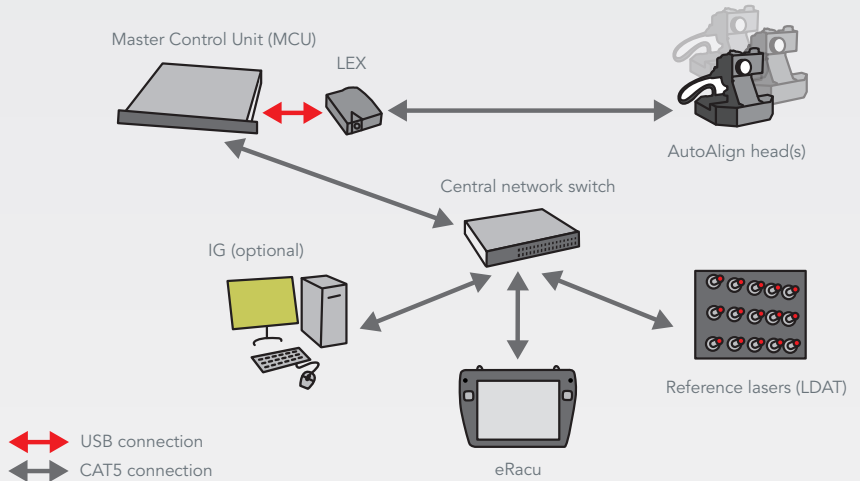
Re-aligns geometry after intervention with high positional accuracy

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

AutoAlign license part numbers

R9843505 Acuras license for AutoAlign on a single system

R9843506 OmniBlend license for AutoAlign on a single system

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