

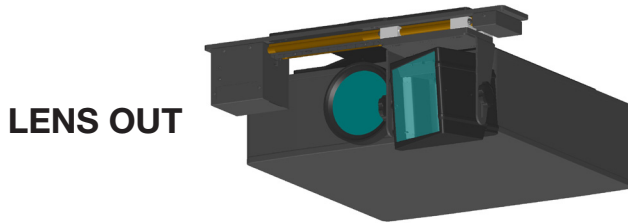
# PANAMORPH SOLUTIONS

Since most of today's 3-D projectors disable the vertical stretch necessary for anamorphic projection when viewing 3-D content, we have created this sheet to show you how to best integrate a Panamorph system with a 3-D capable projector.

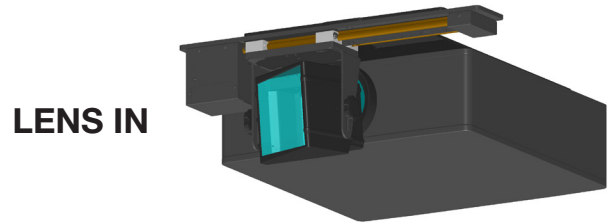
## OPTION ONE:

**Pair a moveable Panamorph lens system with the 3-D projector.** Simply move the lens out of the way for 3-D content, move it into place for 2-D widescreen content.

Applicable models: ADC1SYS, MDC1SYS, A480SYS, M480SYS



Move lens out using a Manual or Automatic transport system for 3-D and 16:9 content. Anamorphic 2.35 / 2.40:1 content in 3-D will display with black letterbox bars.



Move lens in for 2.35 / 2.40:1 standard 2-D content using either the Manual or Automatic transport system. Engage Mode 1 vertical stretch scaling built into the projector to eliminate letterbox bars on 2-D content.

**NOTE:** Manual lens transports can be upgraded to automatic at a later date.

Since the majority of 3-D content is in the 16:9 format, this means you will only have to put up with letterbox bars for the handful of 3-D movies in 2.35:1 / 2.40:1. Remember – there are only a few dozen movies currently available in 3-D vs. thousands of movies in the 2.35:1 / 2.40:1 format. All of today's home theater projectors – 3-D or otherwise – will support anamorphic stretch for 2-D content. This means that the vast majority of films will benefit from a Panamorph lens system, even with a 3-D projector. If you want to add 3-D anamorphic capability to your system at a later date, you can always add the Lumagen scaler (see below) when you are ready.

## OPTION TWO:

**Pair a Panamorph lens system with a Lumagen scaler.** Lumagen has three scaler models that do properly stretch 3-D content for anamorphic projection.



All Lumagen Radiance Scalers will scale 3-D sources for anamorphic projection.

- Radiance Mini – 2 HDMI in, 1 out: MSRP \$1995
- Radiance XS – 10 Video Inputs 4 HDMI in, 2 out: MSRP \$2995
- Radiance XE – 18 Video Inputs 6 HDMI in, 2 out: MSRP \$4995

Pairing with a Lumagen scaler means that you can watch 3-D movies in full 3-D AND 2.35:1 / 2.40:1 widescreen. In other words, a system with no compromises.

Lumagen has made arrangements with Panamorph so that any Panamorph dealer is automatically qualified to become a Lumagen dealer.

### **FIXED LENS OPTIONS - NOT RECOMMENDED FOR USE WITH A 3-D PROJECTOR**

Since using a fixed lens requires that you scale both 2.35:1 / 2.40:1 content and 16:9 content, we do not recommend using a fixed lens system with a 3-D projector. Of course, if you don't plan to use the 3-D capabilities of the projector then you are fine with a fixed lens. If you want to add 3-D capabilities at a later date you can always add the Lumagen scaler or upgrade to a moveable lens.