QUICK GUIDE

PIN CUSHION AND BARREL FINE TUNING

Exaggerated Pincushion Distortion from a Horizontal Expansion Lens

Exaggerated Barrel Distortion from a Vertical Compression Lens

NOTE: All anamorphic lens systems, regardless of manufacturer, have some degree of either pincushion or barrel distortion. The greater the throw ratio, the less the amount of picture distortion; however, you can expect a minor amount of this pincushion or barrel distortion even at optimum throw ratios (usually it is less than 1/8" spread over the entire width / height of your screen). It only becomes objectionable at very short throws – less than 3.2X screen height with the DC1 or UH480, less than 4.3X screen height for the FVX200, and less than 3.2X screen height for the A200SYS.

Pincushion distortion can be corrected for the DC1 and UH480 lens designs by pairing with a curved screen for short throw ratios (3.2X the screen height or LESS). Curved screens create barrel distortion which cancels out pincushion distortion. Since the FVX200 / A200SYS lens design is more prone to barrel distortion, it should NEVER be paired with a curved screen (this only doubles up any distortion).