How does Epson’s automatic keystone correction feature work and how does it compare to the competition’s?

Epson’s implementation of a projector auto keystone adjustment feature requires no manual push button or menu interaction. The result, first offered on the EPSON PowerLite 720c and 730c, is an automatic keystone feature that is exclusive to Epson and truly automatic.

Did You Know?

How does Epson’s automatic keystone correction work?

- The keystone angle adjustment is triggered by a movement of the projector greater than two degrees. The horizontal component of the acceleration is measured, and the new angle is calculated. The technology used is similar to the sensor technology in car air bags.

- For accuracy, the angle of reference is to the earth and not the table on which the projector sits.

- Epson’s automatic keystone adjustment assumes that the screen is perfectly vertical.

How does competitive automatic keystone correction compare?

- The competition uses a consumer-grade chip to achieve keystoning measurement, which is of the quality commonly found in video games. Epson uses higher quality sensors like those used in automobile airbag systems, which perform under the demands of industrial use with excellent sensitivity and stability.

- Competitive models are susceptible to incorrect readings as the temperature of the projector increases. As the projector warms up, the sensitivity to drift away from accurate image correction rises, so button activation is required. This also causes repeated resets of the activation button. Since Epson uses a higher quality chip, which is not sensitive to heat variance, the result is true automatic keystone correction.