



LCI and Knaus Showcase SPD-SmartGlass

By [RV PRO Staff](#) | August 31, 2017



This week at the Caravan Salon in Dusseldorf, Germany, Lippert Components and Knaus, a manufacturer of leisure vehicles in Europe, featured dimmable windows from Research Frontiers' SPD-SmartGlass technology.

These electronically dimmable smart windows were supplied by Vision Systems, a licensee of Research Frontiers.

Vision Systems' smart windows using SPD-SmartGlass technology deliver unprecedented benefits for passengers in RVs of all types. By enabling users to precisely control the amount of daylight and glare coming through windows, passengers can touch a button and instantly tune the tint to a comfortable level, rather than blocking their view with a shade.

These smart windows can be controlled directly by the passengers, through a centralized control panel, or automatically with integrated light sensors. The system delivers many other benefits including a cooler interior due to remarkable thermal insulation properties, and a quieter interior due to acoustic insulation properties.

According to Vision Systems, Nuance V2 provides superior optical quality, with clarity close to 100 percent and haze less than 3 percent.

For more information about Vision Systems solutions at Caravan Salon 2017, read the [Vision Systems press release](#).

In addition to controlling the level of light and glare coming into an RV, SPD-SmartGlass provides thermal insulation, substantially rejecting solar heat from entering RVs through windows. When compared to conventional automotive glass, Mercedes-Benz reported that the use of SPD-SmartGlass significantly reduced the temperature inside the vehicle by up to 18 degrees F.



Vision Systems' electronically dimmable windows, using Research Frontiers' SPD-SmartGlass technology, on (at left) a Knaus caravan, and a LCI demonstrator (at right).