

Pioneer previews integrated floating image display technology

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The Pioneer FV-01 Floating Vision system.

At the Embedded Systems Expo demonstration the in-car navigation system was paired with multiple touch panel displays. The system allows a user to select an object on the touch screen panel the same way that you would with most [navigation systems](#). Then once a hand is swiped over the Floating Vision display the image of the object that the user selected is projected into the 3D display map.

This system is similar to the FV-01, a PC connection system that creates a floating 3D display, currently [being sold](#) by Pioneer. The company hopes to move from the USB connections of the current systems to [integrated systems](#) in the future with the use of the Floating Vision system.

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(PhysOrg.com) -- Pioneer has recently conducted a demonstration of its floating image display technology, which is being called Floating Vision, that allows for a small sized 3D floating screen to be projected into spaces like the dashboard of a car. The system, which was shown off at the Embedded Systems Expo, uses a set of infrared sensors that allow this projected screen to be used in a manner similar to that of the current touch screen systems in use, in a limited capacity at the present moment. The system was demonstrated both in a car, and in the context of a customer service scenario.

The system makes use of a 3D module that has an LCD module mounted on the back. The system then uses a specially designed 3D lens, mounted in the front, which allows the image to appear as if it is floating in space. Since it only relies on one projection, and not the traditional right and left eye perspectives of older 3D systems the screen can project a clear image from a variety of angles and without the use of glasses.

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