Multi-Touch Ring Encoder Provides Intuitive Control to Medical Devices

Grayhill, Inc. will announce the launch of their Instinct™ technology at the 97th annual meeting of the Radiological Society of North America (RSNA) in Chicago, Illinois on November 27, 2011. Instinct is a set of multi-touch gesture recognition software tools that, when integrated with Grayhill physical components, creates more intuitive human interface solutions.
Gesture recognition has become commonplace in a wide range of electronics including mobile phones and tablet computers. Its ease of use could be described as instinctual. Grayhill's Multi-Touch Ring Encoder with Instinct brings gesture recognition to the controls of medical imaging devices. A touchpad on the device's surface recognizes multiple finger touches and motions and transmits them via USB to a CPU that decodes the gestures and carries them out on the display. This way, the user gets the benefits of gesture recognition without ever touching the display.

For more precise control, a ring encoder encircles the touchpad and the entire knob can be pressed. The rotary function allows the user to scroll through options and the pushbutton selects the desired setting. With the implementation of the Instinct Ring Encoder, other devices such as joysticks, touchpads, trackballs and pushbuttons can be eliminated. This results in a compact user panel that is intuitive to use as well as easy to clean, maintaining a more sterile environment.

Brian May, President of Grayhill, Inc., said of the new product launch, "We are thrilled to introduce a revolutionary and high quality solution to the manufacturers of medical imaging devices. We believe the Multi-Touch Ring Encoder will aid in creating interface control panels that are easy to use and easy to clean and disinfect."

The Multi-Touch Ring Encoder with Instinct will aid in the design of uncluttered, easy-to-clean instrumentation for the following applications: Ultrasound equipment, medical imaging controllers, patient monitors, surgery equipment and molecular imaging.

Grayhill Inc.'s Multi-Touch Ring Encoder will be available to view and discuss at the 2011 RSNA meeting at McCormick Place in Chicago. Grayhill, Inc. will have a booth located in the North Building, Hall B, Booth #9532.

About Grayhill, Inc.
Grayhill, Inc. designs and manufactures intuitive human interface solutions that make life simpler, safer and more efficient. Standard products include optical encoders, rotary switches, keypads, joysticks and push buttons; all with finely tuned haptics. Grayhill specializes in creating ergonomic panels and product shells that integrate various interface technologies, including displays, touch technology and motion sensing. With headquarters just outside of Chicago, and multiple state-of-the-art facilities around the world, Grayhill's team has the engineering, development and manufacturing expertise to deliver both standard and customized products quickly and cost-effectively. For more information, visit www.grayhill.com [1].

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