For Immediate Release

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MARSHALL ELECTRONICS PUTS MULTIMEDIA LESSONS AT STUDENTS' FINGERTIPS

Marshall Electronics' VS-102HDI Encoder streams media in real time from popular HD sources to students' iPads via a school's secure intranet.

El Segundo, CA (December 7, 2012) – Marshall Electronics announces a new multicast solution that allows schools to stream HD content to students' iPads. The VS-102HDI Encoder is inexpensive and easy to implement, making it a cost effective solution for budget-conscious schools.

Schools across the country are adopting iPads and seeking to leverage the devices' functionality into learning experiences. While Apple promotes the use of iPads for designing courses, distributing course materials, and sharing video & audio content, the question remains: how do schools distribute their own HD content to students securely and in real time?

Marshall Electronics offers the VS-102HDI Encoder as the solution, enabling HD video with Stereo Audio content to be streamed over a school's intranet. The VS-102HDI processes and converts the signal to H.264 format, broadcasting over the school's intranet. This content can then be accessed by any number of user-connected to the network.

A single encoder is needed at the source of the HD content, which can be a video camera, a computer, or another HD device. Several wireless N routers are set up throughout the campus to distribute and transmit the encoded video. It is then received and decoded on students' iPads using VLC Player, a free open source video player. Unlike many other solutions on the market, there is no monthly fee or residual cost with this setup.

Schools will then have the ability to stream their own events and original content directly to their students. For example, student news "broadcasts," announcements from the principal, and emergency messages can be streamed to students throughout campus. Videos of special events and presentations can be integrated with other content for a full multimedia learning experience.

With the addition of a VS-102HDI set to decoder mode, the same network can support video projectors across campus. This is accomplished by simply adding a VS-102HDI to any video projector on the network.

The Marshall VS-102HDI Encoder is a High Definition Video Server that allows real-time transmission of HDMI or NTSC/PAL composite video signal along with AAC encoded high definition stereo audio over Standard IP Intranet Networks. The VS-102-HDI incorporates advanced H.264 and MJPEG compression technology that allows 50%

more compression capacity over an existing IP Network, providing optimal video transmission quality, even in networks with limited bandwidth.

For more information on the VS-102HDI and other multicast products, please visit www.lcdracks.com.

About Marshall Electronics

Marshall Electronics is a leading manufacturer of Broadcast LCD monitors, servers, cameras, optical lenses, and professional audio products. The precision, hi-tech monitors are used by major networks like NBC, CNN, and ABC. The company is based out of El Segundo, CA and has offices and engineering facilities in other areas of the US and in international locations.