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Triteq Develops Linux Open Source 3-D Image Driver

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Electronic product designer, TritEQ, has just completed a medical imaging project which required top graphics and image processing capabilities. While producing the system, TritEQ developed an open source image driver, using Linux, which is the first of its kind for 3-D image processing. The medical imaging system obtains 3-D images by taking four pairs of 5 megapixel images per second. This demands fast software and hardware processing capabilities so that the stereo images are available immediately. To make this possible, TritEQ had to develop a new software driver using Linux, which works at the camera interface to channel the captured images to the screen for instant viewing. For hardware, TritEQ chose an i.MX515 microprocessor from Freescale built into a Wi-MX51 module from Digi International, running Linux from Timesys. As the newly developed image driver is open source, TritEQ has already supplied the code to Digi International, to benefit customers seeking software for similar applications. www.triteq.com

(Submitted by [Emma Lee](#) of [Triteq Ltd](#))

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