

Customer:	Major East Coast Hospital
End User:	Patient Imaging Department
Application:	Remote Viewing of live Ultrasound images
VBrick Equipment:	VBrick 6200
VBrick Software:	StreamPlayerII for PCs
Network:	10/100 Switched Ethernet

The Challenge

Physicians at a major east coast hospital are constantly searching for effective new ways to harness the power of technology to deliver better patient care. Ultrasonic studies are a critical diagnostic tool for these physicians. While trained technicians can conduct these tests, a qualified doctor must interpret the resulting data.

The Patient Imaging Department sought new ways to enable its physicians to view high quality images of Ultrasound test results from anywhere on the large hospital campus. Two-way interactive voice was also required so that a doctor could communicate with a technician in real time to direct the testing. The equipment needed to be small enough so that it could be included on Ultrasonic imaging "carts" that can be rolled into a patient's room.

The Solution

The hospital turned to VBrick Systems for a comprehensive solution to this challenge. VBrick Systems' powerful yet affordable video solutions bring DVD-quality video to a range of applications. For this project, the hospital selected the VBrick 6200. The compact and portable VBricks are placed on Ultrasonic Imaging carts and are transported to patient rooms. The VBricks encode the video of the test results in MPEG format and distribute it over the hospitals' IP network to physicians in locations around the hospital campus.



Ultrasonic equipment cart with VBrick 6200 MPEG-2 encoder

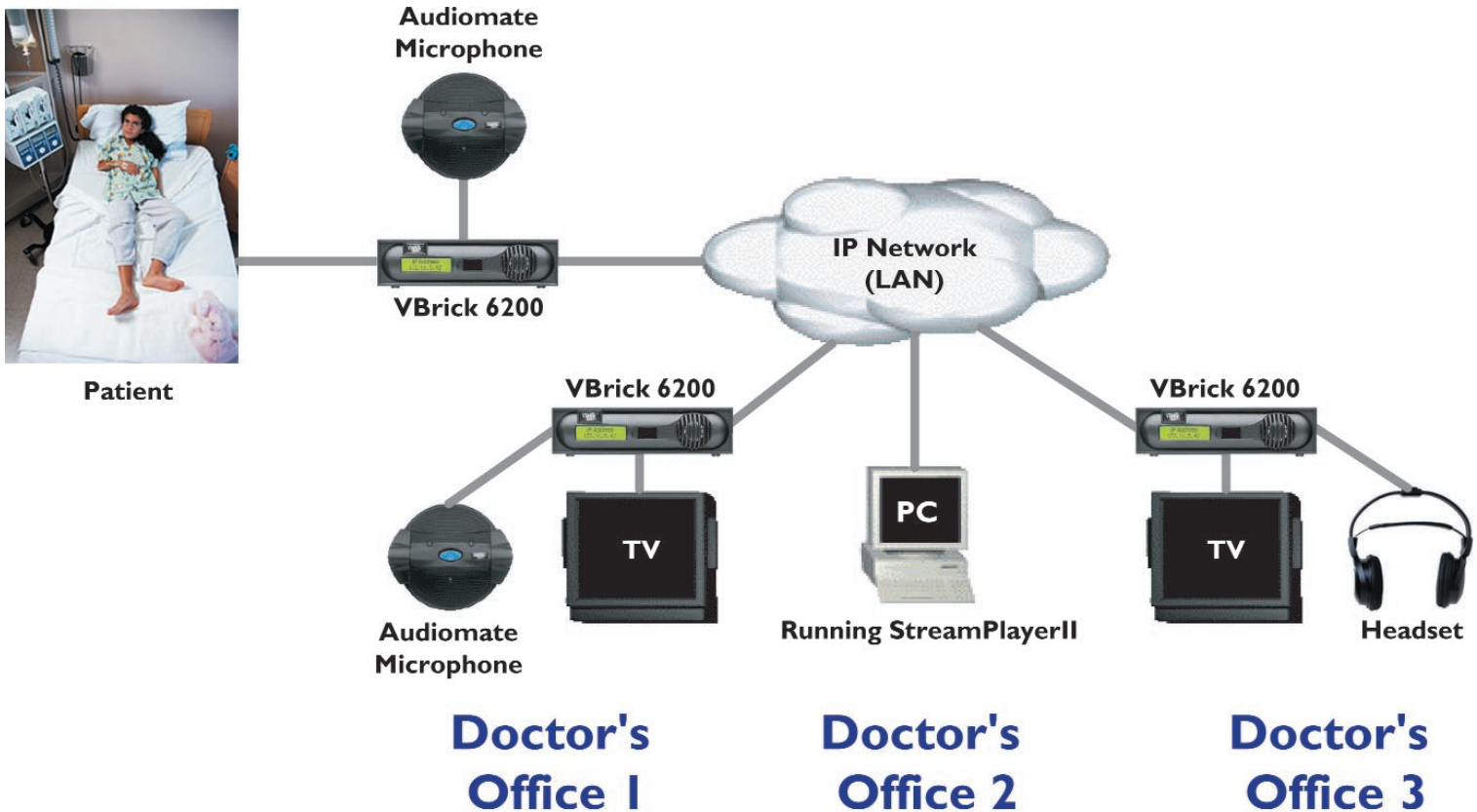
VBrick decoders are located at several remote locations in various hospital buildings to allow physicians to view the video on TV monitors or desktop PCs using VBrick's StreamPlayerII software. An AudioMate microphone is used to transmit voice and headphones with a boom microphone are used to provide two-way audio conferencing.

The video may also be saved to disk to create an archived video file of the results for later study. That video can be emailed anywhere in the world, enabling specialists to offer an opinion on a difficult diagnosis.

Customer Benefit

There are a number of important benefits from this innovative use of high quality video technology. Physicians at this hospital no longer need to waste their valuable time traveling to a centralized Radiology Department to offer a diagnosis. Instead, they can view the video of the test in their office or another convenient location. This timesaving increases physician efficiency and leads to a faster diagnosis and ultimately better patient care. Furthermore, by simply emailing the test results, top specialists from hospitals around the world are easily able to offer an opinion.

Intensive Care



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