

Philips launches personal app to measure heart rate and breathing rate

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Today, Philips launches a personal App for iPad 2 that measures your heart rate and breathing rate remotely, simply by using the iPad 2 camera. This breakthrough technology allows people to measure heart and breathing rates in an easy and unobtrusive way at home*. The App can be [downloaded](#) from the App Store.

How it works

Your [heartbeat](#) causes small changes in the color of your face. These changes are not visible to the eye, but with advanced software the iPad 2 camera detects these ‘micro-blushes’ to measure your [heart rate](#). When you breathe, your chest moves up and down. With advanced software, the iPad 2 camera tracks the movement of your chest to measure your breathing rate.

The App offers [iPad](#) 2 users the possibility of simply measuring their heart rate and breathing rate in the comfort of their home*. The App offers the option to immediately share your results via Facebook, Twitter or e-mail.

[Philips](#) has been developing this camera technology for three years. Although the concept is simple, calculating multiple parameters, such as heart rate and breathing rate, from real time video images is a major technical challenge. Philips has been able to overcome these challenges by using advanced algorithms and draws on its deep in-house expertise in

optics, video and signal processing. Philips is making this technology available for licensing in selected application domains.

More information: www.vitalsignscamera.com/

Source: Philips Electronics

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