

classrooms or auditoriums, or mounted to the ceiling in home theaters, where they provide extra-large movie-watching goodness.

But there are lots of times when a 100-inch screen is overkill -- and yet a 2-inch iPod screen doesn't quite cut it. Those are the times when you need something in between. In those situations, a completely silent, ridiculously simple micro-projector like the Pico really shines.

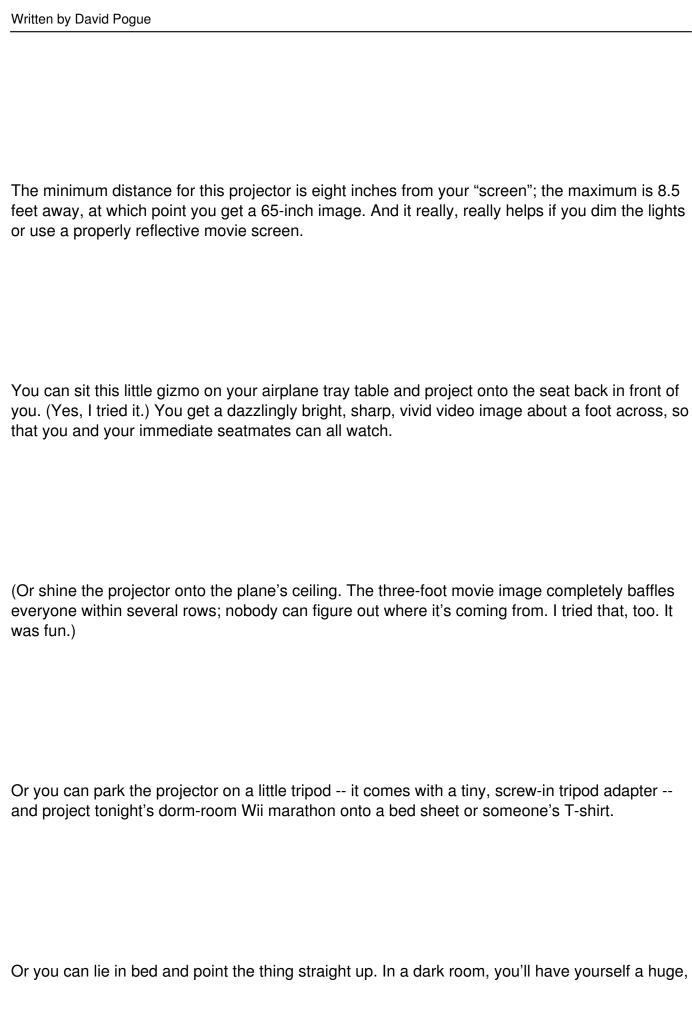


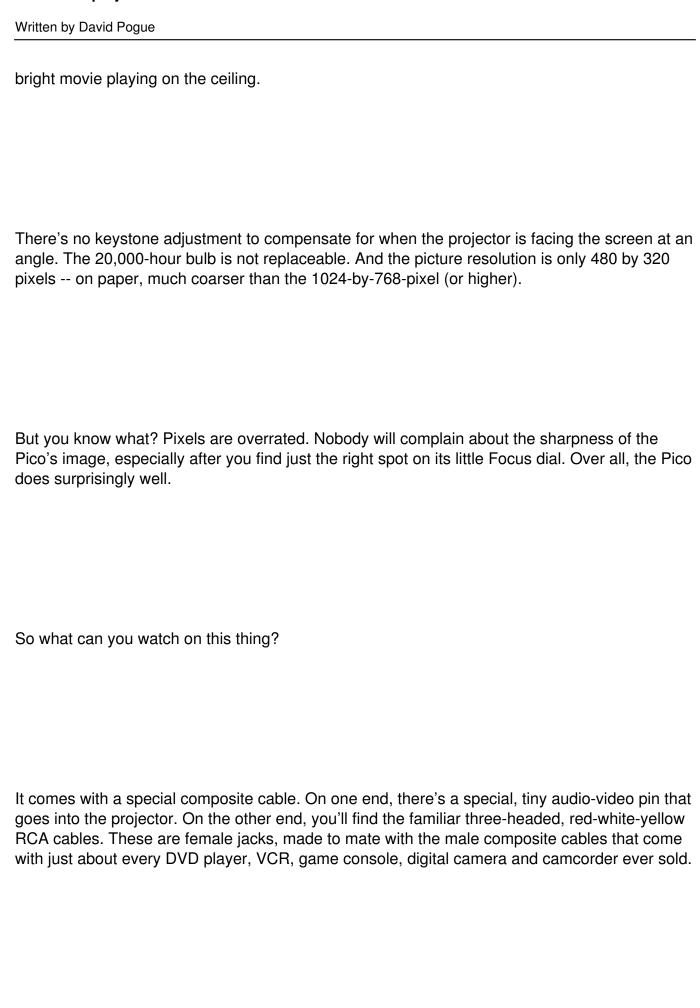
You'd have to be a jaded gizmophile indeed not to be impressed the first time you turn on this tiny, shiny black box. In the center of the short end, there's a very bright light-emitting-diode lamp. Inside, there's a miniaturized Texas Instruments digital-light-processing (D.L.P.) chip, similar in principle to the ones that drive some full-size HDTV sets. Together, they produce an astonishingly bright, clear, vivid video or still image. That's right -- from a projector you've pulled from your jeans pocket.

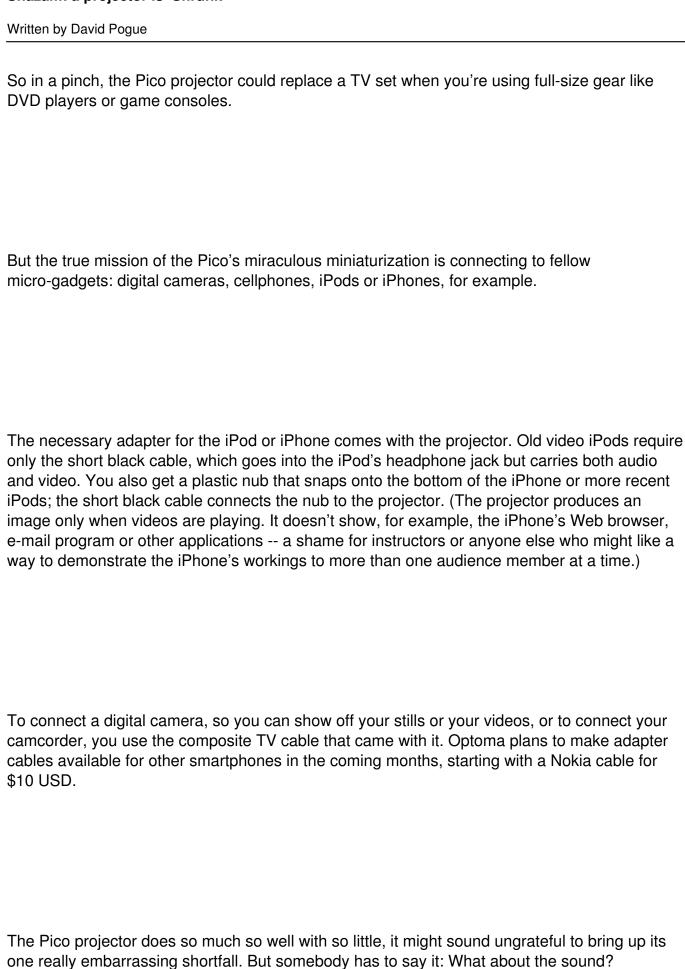
There are no footnotes for that jeans-pocket statement, either (like, "not including enormous power brick"), because the Pico can run on battery power. Each charge lasts for about 90 minutes -- longer if you use the lower brightness setting or when you're playing video without sound. You can recharge the projector either from its power cord or from a computer's USB jack. A spare battery comes with the projector, and so does a little drawstring carrying bag.

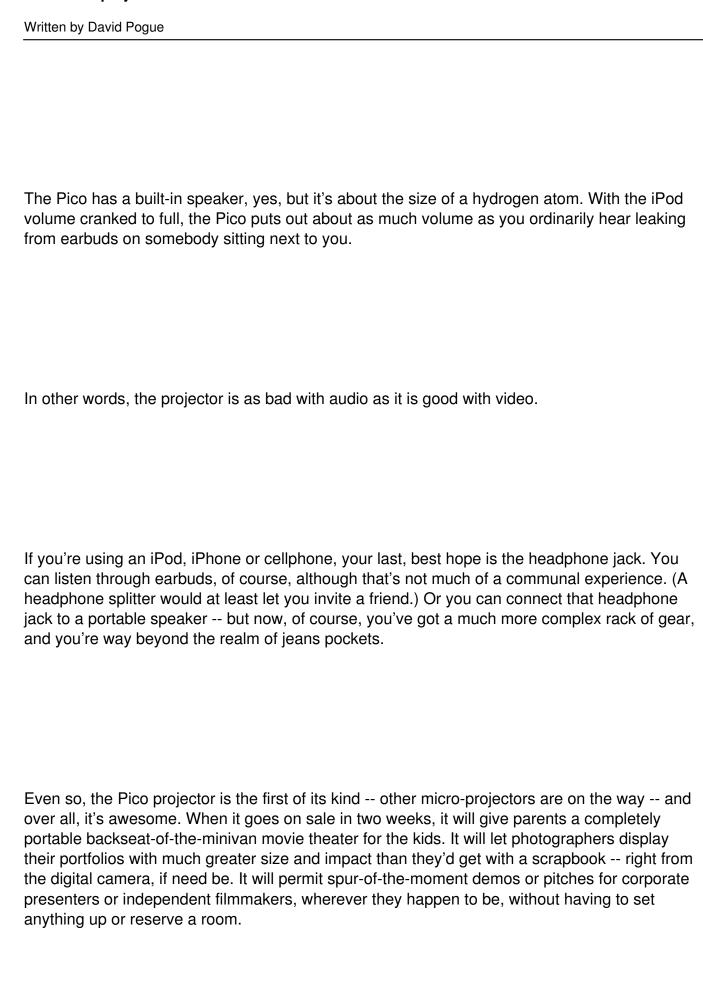
A pocket-size, self-contained projector changes all the rules. An iPod and a Pico -- that's the entire setup. Now, for the first time, a tent wall can become a movie screen when you're out camping. (So much for roughing it.)

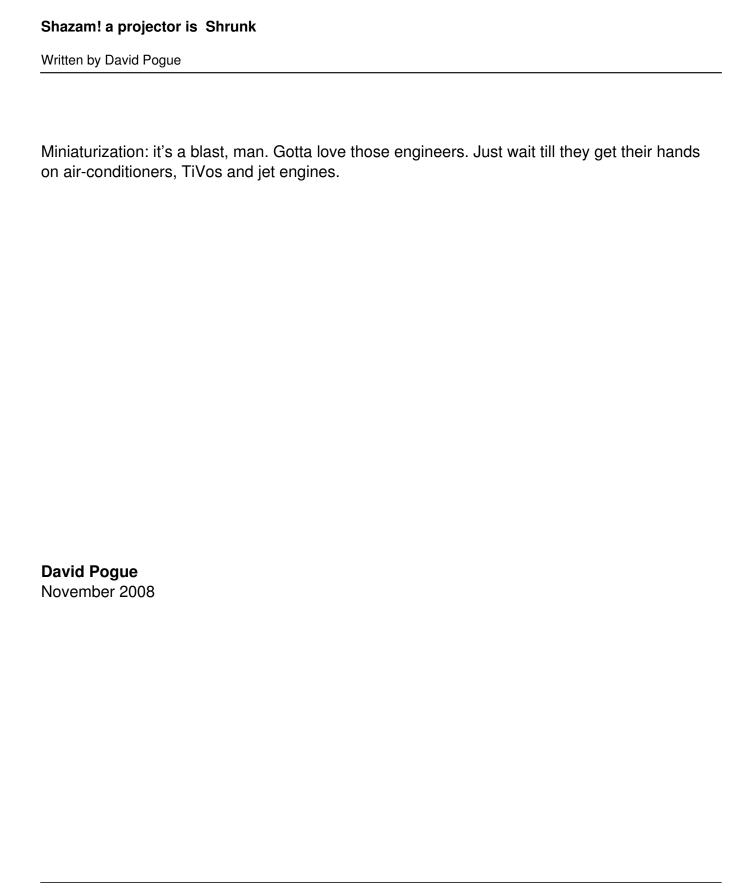
Now, let's be clear: no pocket projector is going to produce as much brightness as tabletop projectors 10 times its size. The Pico manages 9 lumens (that's how they measure the brightness of things like projectors), compared with, for example, 2,000 lumens for a \$900 USD tabletop projector. That may not sound like much, but it's plenty bright at the Pico's shorter distances and smaller "screen" sizes.











Written by David Pogue

http://zonezero.com/magazine/articles/projector/index.html