

## The Smartphone Goes Transparent

Written by Marco Attard  
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Taiwanese glass and display maker Polytron proposes the next step in mobile devices-- science fiction-style quasi-transparent touchscreen devices.



As seen on the website Mobile Geeks, the invisible smartphone is made from two sheets of Polyvision Smart Glass, an opaque privacy glass that turns transparent with the application of an electrical current.

The technology uses liquid crystal molecules that are randomly oriented when the power is off (scattering light hitting the glass) but line up (allowing light to pass through) when the power is on.

Between the two glass layers are microscopic circuitry too small for the naked eye to see and non-transparent components such as batteries, SIM card, SD card, camera, speaker and microphone, even if the demo device lacks an actual operating system or software.

The technology is still at a very early stage, but the company hopes it will have working samples available for OEMs by end 2013.

Polytron is not the only company working on transparent mobile devices-- Fujitsu and NTT Docomo also have an Android device with a transparent double-sided touchscreen interface in the works.

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Watch [Transparent Smartphone Prototype by Polytron Hands On \(Mobile Geeks\)](#)

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