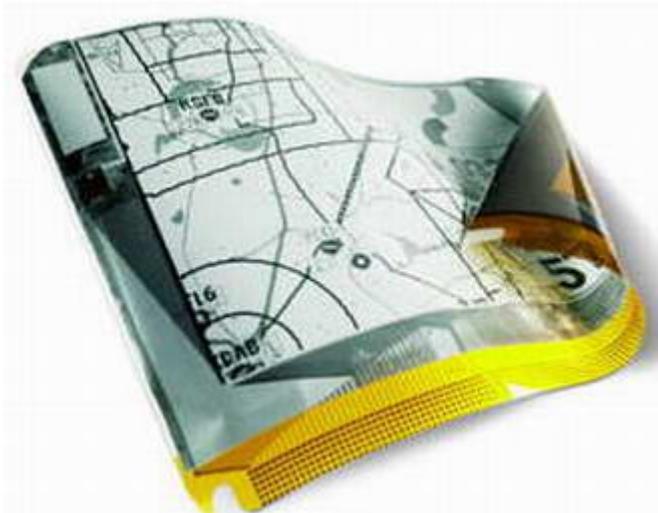


Philips unveils world's first 'Rollable Display' pocket e-Reader concept READIUS

1 September 2005



provides paper-like viewing comfort with a high contrast ratio for reading-intensive applications, including text, graphics, and electronic maps. Using a bi-stable electrophoretic display effect from E Ink Corp., the display consumes little power and is easy to read, even in bright daylight. Once the user has finished reading, the display can be rolled back into the pocket-size (100 mm x 60 mm x 20 mm) device.

Based on Philips Polymer Vision's PV-QML5 rollable display reference design, the RADIUS was created in order to demonstrate the viability of the rollable-display concept in mobile applications and to gain customer feedback at the IFA 2005.

"Making displays thinner and flexible will have advantages in power and weight. But the only way to add the key advantage of size—allowing larger displays in smaller, pocket-size mobile devices—is by actually making the displays rollable," says Polymer Vision CEO Karl McGoldrick. "The RADIUS demonstrates this, as well as showing that we have taken this technology a major step further towards product and market."

Building on its leading position in rollable displays, Philips Polymer Vision is revealing its Concept RADIUS at the Internationale Funkausstellung (IFA) in Berlin, Germany, September 2-7. Philips Concept RADIUS is a prototype of a connected consumer device for business professionals unwilling to sacrifice readability, mobility, performance, or weight in a pocket-sized, e-reader concept.

(Find more images below)

Polymer Vision does not intend to commercialize this concept as a product in the market. Instead, it is demonstrating the fitness of its rollable displays for use in the mobile devices of tomorrow.

The RADIUS is the world's first prototype of a functional electronic-document reader that can unroll its display to a scale larger than the device itself. With four gray levels, the monochrome, 5-inch QVGA (320 pixels x 240 pixels) display





APA citation: Philips unveils world's first 'Rollable Display' pocket e-Reader concept READIUS (2005, September 1) retrieved 14 October 2019 from <https://phys.org/news/2005-09-philips-unveils-world-rollable-pocket.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.