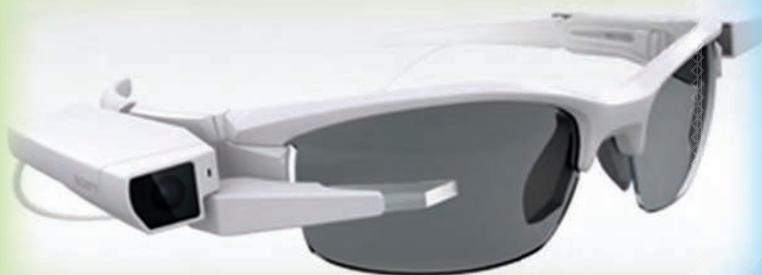


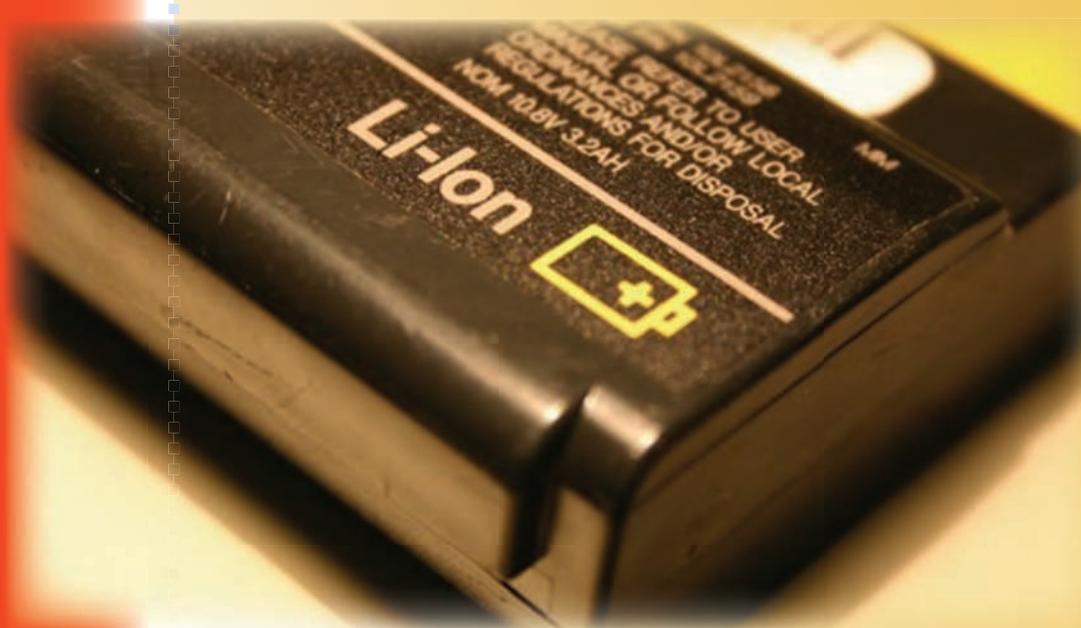
### CLIP-ON DEVICE MAKES REGULAR GLASSES SMART

A new device is designed to clip onto any eyewear like fashion glasses, sunglasses or goggles transforming them into wearable technology. The unnamed device consists of a pair of modules that sit above each ear along with a single 0.23 inch display. It also features an ARM cortex A7 processor, a 400mAh battery, Bluetooth 3.0 and OLED microdisplay with a resolution of 640 x 400 pixels. Its display covers 100 percent of the sRGB colour space and has a 10,000:1 contrast ratio. According to Sony it is equal to viewing a 16 inch screen from 2 meter distance. The clip on wearable could be removed and pocketed when not in use. (techcrunch.com)



### TRASHED LAPTOP BATTERIES COULD HELP TO POWER HOMES

Researchers from India analysed a sample of discarded batteries and found 70% of old laptop batteries had enough power to keep an LED light on more than four hours a day for an entire year. Using trashed batteries is cheaper than existing power options and also helps to minimize trash and waste from electronic products. The team created a device – UrJar – that uses lithium ion cells from the old batteries to power low-energy DC devices, such as a light or a small fan. On a single charge it will give power for 2-3 days of lighting, 4.5 hours each day. The adapted power packs could be a real bonus for street vendors, who are not on the electric grid, as well as for poor families living in slums. (www.digitaltrends.com)



### QR CODES COULD GENERATE 3D IMAGES ON PHONES WITHOUT INTERNET

Quick Response (QR) codes which are commonly recognized as box-shaped symbols on posters and signs can be utilized to display 3D pictures on the phone safely. A group of engineers added a range of small lenses (lenslets) to a smartphone and scanned a collection of QR codes without any use of Internet. This new 3D image display scheme and data storage can have valuable implications on manufacturing and marketing product visualization, secure 3D data transmission and storage and personal 3D entertainment. The method uses QR codes along with off-the-shelf mobile device technology. The QR codes store compressed and encrypted images which can be easily scanned and decrypted for secure 3D visual communication. In this method the QR codes themselves store self-contained slices of data which makes possible to receive and visualize 3D images without internet. (techliveinfo.com)



### THE POWER PEN WITH CHARGER

The power pen is a writing pen that also comprises the battery inside it to charge your phone. It's the world's first pen smartphone battery hybrid that combines the two daily essentials. It is a stylus ballpoint pen made of brushed aluminium available in two colours, black and gold. The pen resembles any other conventional pen, comes with a 700mAh battery embedded within. With a twist of the body of the pen, a built-in lighting and micro USB connector emerges for your smartphone while a USB port at the end is used to recharge the device. It plugs into any USB port computer, wall charger, external battery pack, etc. ([www.phonearena.com](http://www.phonearena.com))



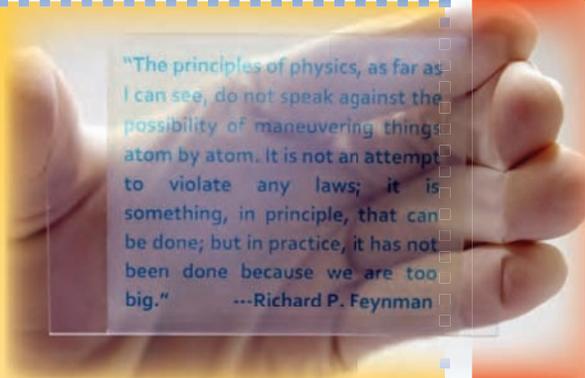
### DEFENDOOR SECURITY SYSTEM

DefenDoor is a smartphone compatible security system that protects a user's home. The single unit system serves as a doorbell, camera, motion sensors, alarm system and more. The main part of the system is a water-resistant camera having a 150-degree viewing angle and 720P/HD resolution. It is powered by three AA batteries and will last about one year. One DefenDoor camera can sync with up to five Bluetooth sensors which can be used at a range of 30 feet. The system can send photos, voice messages and supports MP3 files for customized alerts and tones. It is completely a wireless system with motion sensors that allows the camera to turn itself on and off at the appropriate time. ([www.prweb.com](http://www.prweb.com))



### A REWRITABLE PAPER

A rewritable paper is an attractive alternate to regular paper that uses dyes that respond to ultraviolet light. This can be printed on and erased more than 20 times before it needs to be discarded with no significant loss in contrast or resolution. Printing is achieved by using ultraviolet light to photobleach the dye, except the masked portions for the text on the paper. This rewritable paper does not require additional inks for printing, making it both economically and environmentally viable. The printed letters remain legible with high resolution at ambient conditions for more than three days. For this kind of paper, heating to 115 °C poses no problem. The paper comes in three primary colors: blue, red and green, produced by using the commercial redox dyes methylene blue, neutral red and acid green, respectively. ([news.discovery.com](http://news.discovery.com))



"The principles of physics, as far as I can see, do not speak against the possibility of maneuvering things atom by atom. It is not an attempt to violate any laws; it is something, in principle, that can be done; but in practice, it has not been done because we are too big." ---Richard P. Feynman

### CICRET WRISTBAND

Cicret bracelet is a small wristband that turns your skin into a touch screen. The Cicret Bracelet features an accelerometer and a vibration module, along with an LED for notifications. Connectivity is provided by way of Wi-Fi, Bluetooth and a Micro USB port. It is expected to be made available in two storage sizes 16 GB and 32 GB with 10 different colors. The Bracelet comprises a pico projector and a row of eight proximity sensors that point towards the user's forearm. The proximity sensors detect the location or movement of user's finger or fingers and allow them to interact with the interface as they would any other Android device. The device will allow users to send and receive emails, browse the web and play games. ([www.dnaindia.com](http://www.dnaindia.com))

