



Transparent stick-on screens that can turn any window into a movie screen

Issue 7 January 2014

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Researchers at MIT and Harvard University (US) have come up with a new transparent display that can be stuck on to any window to form a display for moving images.

Transparent screens themselves are not new; think Google Glass, transparent OLED and LCD display. However, they tend to employ complicated expensive technology and most are limited in terms of viewing angle.

The new stick-on screens offer a wide angle of view and use a simple, relatively cheap technology where nanoparticles that reflect light are simply poured into the polymer before it solidifies.

The nanoparticles are invisible to humans, creating the transparency, but images projected in blue light (in this particular case) show up. Since each type of particle reflects only one colour, the screens display just one colour of image.

The researchers from MIT and Harvard University say it would be possible to have multiple colours, but the more nanoparticles that are added to the screen, the more opaque it would become.

"Since it's so simple to deploy, you could paste this [plastic] sheet onto any surface," Mr Hsu from MIT and Harvard University told BBC News.

...So what about using them on branches windows to host advertisements? or mobile vans' side window to educate customers on the importance of a properly bonded screen while technicians carry their job? Any other idea?

If these stick-on screens or any other technology you read about or come across inspire you, please drop us a line at futuretrends@belron.com



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