

LED Breakthrough Will Turn Windows into Displays

Written by Marco Attard
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Samsung announces a "breakthrough" in LED technology-- one allowing the development and eventual production of ultra-large display panels on ordinary sheets of glass in the future, the Korea Times reports.



Researchers say "in ten years, window panes will double as lighting and display screens, giving personality to buildings."

The breakthrough itself involves the production of "nearly single crystalline Gallium Nitride (GaN) on amorphous glass substrates"-- a milestone leading towards the creation of larger products (400x larger than the current GaN LED size of 2-inches) while lowering production costs.

The technology will surely first go into large commercial screens (sports displays, advertising boards) but Samsung may also leverage it into consumer devices and residential installations.

The only drawback? Samsung says it still needs up to 10 years to develop the technology into commercial production.

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