

100-inch transparent TV as thin as hair, super sharp image, 1/10 cheaper than OLED

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This new screen is capable of displaying detailed images with high color and light clarity creating clear images when illuminated by beams. The viewing angle of the screen is up to 170 degrees without losing viewing angle on both sides.



The researchers have collaborated with the company Meta2People to begin commercializing this transparent nano display.

According to the announcement, the screen is produced using a roll process. A film treated with titanium dioxide nanoparticles increases durability and improves the optical quality of the film, ensuring the projected NTS image is always clear.

A layer of polymer dispersed liquid crystal (PDLC) is also applied to the film. PDLC will become more or less transparent by applying an electric field to the crystals, allowing the screen to dim when the user wants to see the details displayed on it.

The researchers said that their new panel is 10 times cheaper than OLED (cost about 72,000 USD).

NTS displays can be mass-produced under existing conditions and can withstand extremely high or low temperatures, making it suitable for both indoor and outdoor use.

Patented transparent nano screen technology. Scientists hope that in the near future it will be possible to produce transparent screen TVs at affordable prices.

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