

Function of iPhone fiber optic sensor

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When you move the sensor, it's called sensor-shift stabilization, and that's what the iPhone 15 uses to stabilize the main and telephoto cameras. The camera uses four electromagnets to shift the camera ...

This paper demonstrates a portable optical sensor for human gait monitoring. The device is based on a smartphone integrated with POF as a sensor for gait monitoring.

Apple introduces a system of thin suspension wires connected to tiny springs, positioned to support the sensor along the Z-axis -- meaning, they help keep the sensor stable in depth while ...

As you probably already know, this is a sensor that is used to position the device on a map and that is generally integrated into the antennas that it uses to connect to telephone networks.

Fiber-optic technology emerged originally for applications in data transmission and telecommunications. However, sensors based on fiber-optics have been developed rapidly because ...

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Retrieve data and derived metrics from sensors on an iPhone, or paired Apple Watch.

This paper presents a portable optical fiber sensor (OFS) for refractive index (R.I.) sensing, fabricated using two pieces of bare polymer optical fibers (POFs).

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Apple has officially secured a patent for an optical-fiber under-display Touch ID sensor that could come to future iPhones.

These sensors allow for automatic screen rotation, precise motion tracking, accurate compass navigation, adaptive brightness adjustment, secure biometric authentication, and more.

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