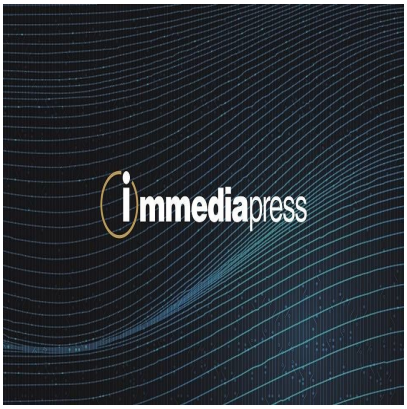

ieGeek Introduces AOV Technology for Wire-Free Security Cameras, Enabling 24/7 Smart Recording Without Hardwiring

Descrizione

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LONDON, April 24, 2026 /PRNewswire/ â?? ieGeekâ??s AOVï¼?Always-on videoï¼? technology enables wire-free security cameras to achieve 24/7 smart recording without the wake-up delays and missed events associated with traditional PIR-based systems. The ieGeek S7 brings this capability together with high-capacity battery life, AI-powered human tracking, and extended detection range.

AOV Technology Expands Capabilities of Wire-Free Cameras

Home security setups have traditionally required users to choose between two approaches:

ieGeekâ??s AOV technology bridges this gap, delivering the non-stop recording of a wired camera while maintaining the mount-anywhere convenience of a battery-powered design.

How AOV Works

The ieGeek S7 maintains continuous awareness with a low-frame-rate modeâ??by default, capturing one frame every two seconds to reduce redundant footage by roughly 90%, preserving battery life and storage. When human movement is detected, it switches to a stream of up to 25fps within 50 milliseconds.

AI-Powered Human Auto-Tracking

The ieGeek S7 features an advanced AI human detection algorithm. Once human movement is detected, the auto-tracking function activates immediately. With 355Â° pan and 120Â° tilt, the camera automatically follows the targetâ??s movementsâ??so you never have to adjust the lens manually again.

Extended Detection Range

Typical PIR sensors detect heat signatures up to about 10 meters, with accuracy limited by distance and ambient temperature.

The S7â??s AOV visual sensor uses AI-powered image recognition to clearly detect people and vehicles up to 30 meters, while using image algorithms to filter out irrelevant motionâ??effectively reducing false alarms.

Extended Battery Life

The ieGeek S7 is equipped with a 9000mAh high-capacity battery and can be paired with a solar panel for continuous power. The combination of AOVâ??s low-power architecture and high-capacity battery significantly extends runtime between charges.

Redefining What a Wire-Free Camera Can Deliver

â??We set out to eliminate the recording reliability concerns that have long been a trade-off in wire-free cameras,â?• said Product Director at ieGeek. â??With AOV technology and a focus on battery life and detection performance, we believe continuous protection and wireless flexibility are no longer mutually exclusive.â?•

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The ieGeek S7 is available to buy now at Amazon.

Amazon UK

Amazon IT

Amazon DE

Amazon ES

Amazon FR

Photo â?? https://mma.prnewswire.com/media/2963969/image1.jpg

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