

AI Smart Sensors

Reach Out
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Overview

This advanced vision sensor system integrates edge intelligence and deep learning directly into the sensor, resulting in reduced latency and reliance on centralized servers. By modifying pixel structures, it embeds convolutional layers which enables sensors to not only capture but also process visual data with deep learning sophistication. This enhances efficiency, privacy, and security while delivering real-time AI capabilities at the sensor level—paving the way for smarter, faster, and more secure systems across various industries.

Product Description

This demo illustrates the integration of AI at an embryonic stage with vision sensors, leading to a profound impact on sensor functionality and application

The innovation illustrates how minor modifications of pixel structure can accommodate convolutional layers for deep learning

Real-time processing of pixel data for enhanced speed and efficiency

Low-power processing

Secure data collection

Target Audience

Researchers and scientists

PhD students and academics

Industries related to AI and sensors
