Prevents Shoplifting with Customer Behavioral Analysis

The main challenges that retailers face nowadays include safety of customers and employees, shortage of manpower and the rising threat of retail theft. Fortunately, the safety of customers and employees can be enhanced by using customer behavioral analysis and pose estimation technologies.

Aetina and partners develop a customer behavioral analysis solution to alert staff of potential shoplifters in real time. The key element of the solution is the AIE-CP1A-A1, an ASIC-based fanless system powered by Blaize® P1600 embedded System on Module (SoM), compatible with cameras and sensors to run quick image recognition and video analytics tasks. Thanks to Blaize NetDeploy and Picasso software development platform, the AIE-CP1A-A1 can flexibly develop customer behavioral analysis algorithms with high accuracy.

Benefits

• Fanless, compact and reliable with 16 TOPS AI performance

• Supports H.264/H.265 video encoder and decoder

Results

• Lower labor cost and reduce manpower required in response to labor shortage

• Prevent shoplifting and reduce theft crime in the retail stores

Security Camera

Security Camera

AIE-CP1A-A1

Alert Staff

Retail Store