



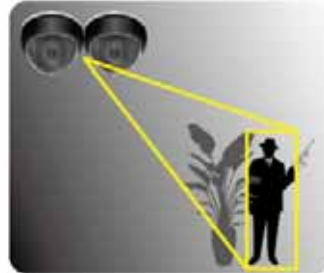
# Stereo Vision IP Suite

**Compact size and Low latency,  
For Intel® (former Altera) FPGAs stereo vision IP  
(Tokyo Institute of Technology with FUJISOFT Inc.)**

To safe driving assistance (ADAS)



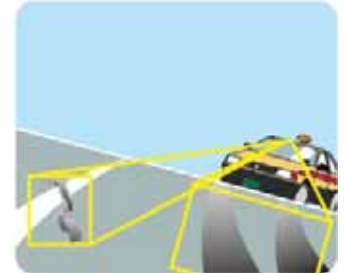
To detect the intruder



To detect the customer flow line in the store



To detect ruts on the road automatically



## Feature

- ✓ Processing of higher frame rate than MPU/DSP (supports 720p/30 fps)
- ✓ The unique algorithm for "Rectification and Distortion Correction" with compact logical size
- ✓ Achieve the stereo processing compactly with adopting SAD
- ✓ The Object Recognition/tracking performed by the disparity information at the same time
- ✓ Automatic Calibration corrects the deviation of the camera position that is caused by many factors such as vibration, temperature, etc. which changes over time.

Automatic Calibration function performs for installed type Camera only

## Block Diagram

