

RZ Ecosystem Partner Solution

tiwaki Intruder Detection



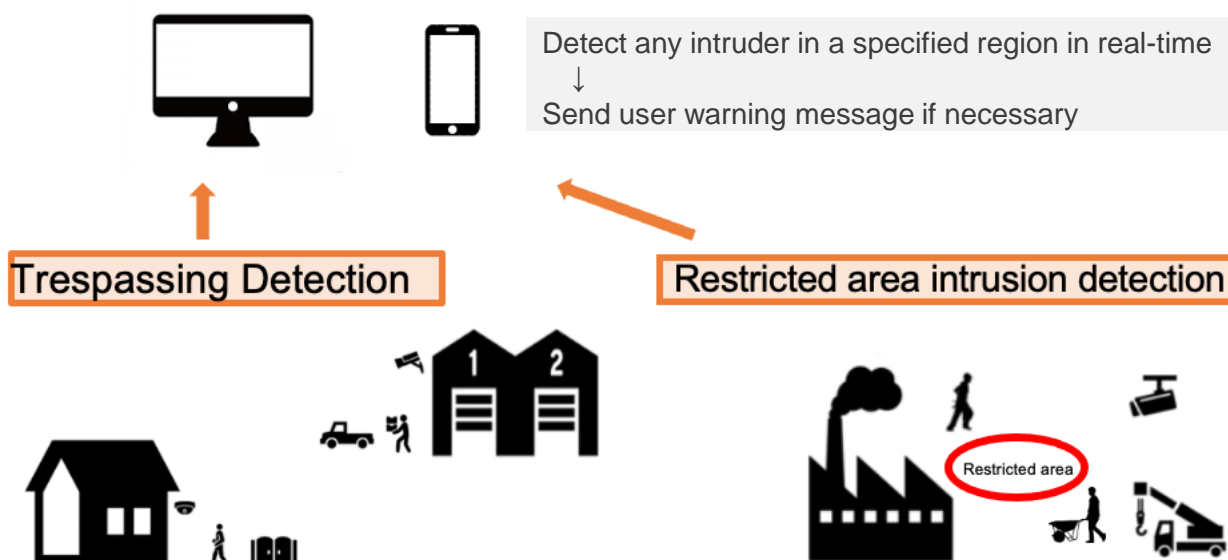
Solution Summary

- Intruder detection by tiwaki's original body detection and pose estimation
- Best fit for edge AI solution

Features/Benefits

- 30fps on Renesas's [RZ/V2M](#)
- Compatible with smart camera, PC, edge device, cloud. Fully platform independent
- Work with both RGB and IR mode
- The technology is also able to estimate distance from detected body to camera, allowing user to exclude intruder detections outside specified region.

Block Diagram/Graphics

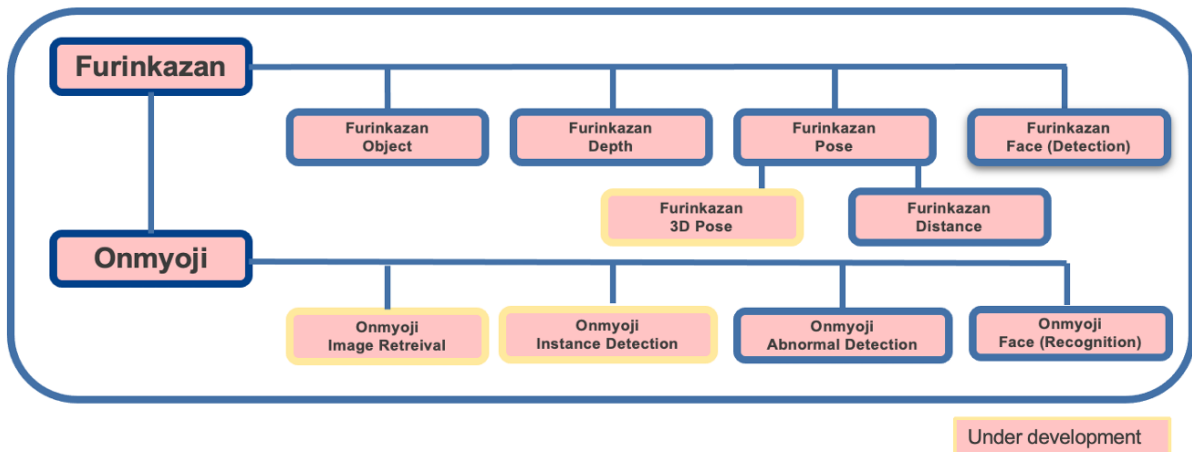


Target Markets and Applications

- Smart Home
- Smart Building
- Security

Company Name	株式会社tiwaki
Company Name	tiwaki Co., Ltd.
Founded	April 1st, 2016
Address	101 Incubator, Ritsumeikan University BKC, 1-1-1, Nojihigashi, Kusatsu-city, Shiga, 525-8577, Japan
CEO	Xiang Ruan
Employees	39 (part-time worker: 28)
Capital	82,999,990 Japanese Yen
Business Domain	Core technology development of machine learning and computer vision
Affiliation	Japan Deep Learning Association, MONET Consortium Nvidia Inception Program, Nvidia Metroplis, Huawei Enterprise Partner, Huawei Technology Certification

tiwaki AI++ Basic Technologies



Utilization Flow

Shooting by camera
↓
Analysis by AI
↓
Confirm result

