

RZ Ecosystem Partner Solution

Ignitarium Human Pose Detection and Classification



Solution Summary

Pose detection and classification is a software component which detects and classifies all important human poses using 2D Camera and deep learning. Support is now available for [RZ/V2M](#).

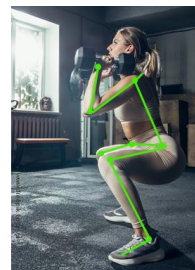
Features / Benefits

- Suitable for real time detection on edge devices
- Detects human pose / key points and recognizes movement / behavior
- Option of choosing from best-in-class pose detection networks depending on end application
- High performance and accuracy

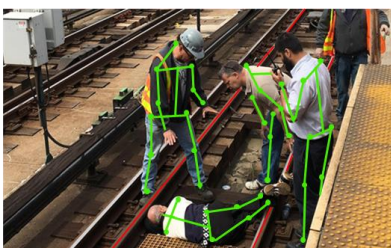
Diagrams / Graphics



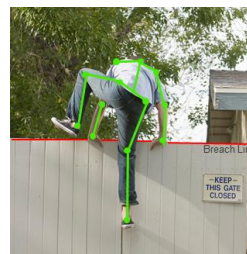
Patient Monitoring system – Elderly / Baby care



Sports / Exercise analytics



Behavior Detection - Safety Monitoring



Behavior Detection - Suspicious Activities

Target Markets and Applications

- Patient Monitoring in Hospitals
- Surveillance – Behavioral analytics (Suspicious behavior, safety monitoring)
- Patient pose adjustment for diagnostics
- Sports / Exercise pose analytics
- Retail analytics

Product Engineering services

Long-standing ecosystem Partner for Renesas

2012

Year Established

100+

Projects Delivered

95%+

Customer Retention Rate

Highlights

- Ignitarium is a boutique product engineering house that combines its expertise in Semiconductor, Embedded software and AI to realize cost-effective system solutions to solve demanding real-world use cases
- With focussed efforts in building capabilities in AI and Robotics, Ignitarium has emerged as a trusted engineering partner for large global enterprises as well as AI start-ups

Services Overview

- Software Design Services
- AI & Cloud Software
- Silicon Design Services
- Solutions



Automotive



Medical



Consumer Electronics



Industrial



Robotics

Focus Areas

- Perception AI
 - Camera, Lidar, Radar
 - Audio AI
- Data Analytics (time-series data)

AI Software offerings

Data Preparation



Model Development



System Architecture & Application



MLOps Best Practices



Model Porting & Optimization



Benchmarking



Utilities & Tools



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