

RZ Ecosystem Partner Solution

NEXT-SYSTEM VisionPose® Anomaly Detection System



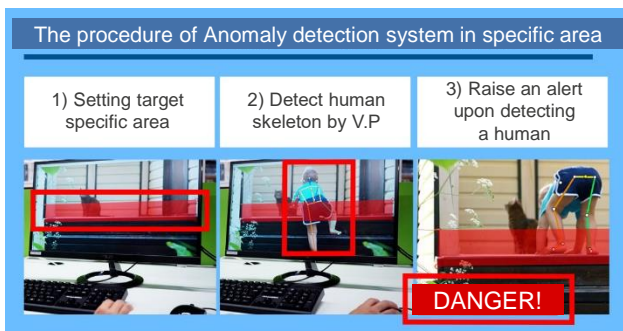
Solution Summary

An anomaly detection system in a specific area with alert, based on “VisionPose” which is an original AI-Engine of Pose Estimation developed by NEXT-SYSTEM. It can recognize human body parts, and it is suitable for childcare & nursing-care. Deliver unique Pose Estimation technology with low power efficiency by using DRP-AI of [RZ/V series](#).

Features/Benefits

- Easy to handle by ‘Markerless-type’
 - Able to detect solo working by video signal from camera without any wearable device
- Anomaly detection in a specific area recognizing each part of a human body
 - Judgement by skeletal frame information, able to recognize each parts individually
- Real-time detection
 - Support real-time AI inference to get skeletal frame information
- Implementable to Edge-device
 - Embed this AI-Engine to AI camera and other edge-device for rapid operation
- Support Network camera (IP-camera)
 - Compatible with network (IP) cameras and able to monitor the congestion status in stores and monitor security.

Graphics



Target Markets and Applications

- Childcare
- Accident prevention for hospital, nursing facility
- Safety measure in work site

Corporate profile

Company name	NEXT-SYSTEM Co.,Ltd.
HQ location	Fukuoka Head Office 2F, 3-12-33 Ijiri, Minami-ku, Fukuoka City, Fukuoka, 811-1302, Japan
Established	August 28, 2002
President & CEO	Yoshio Fujita
Business Activities	Develop and sales of 'VisionPose' as AI Engine of Pose estimation Behavior analysis by using AI, R&D of Ergonomics system R&D of leading edge technology (AR/VR/XR)
Common stock	80,750,000 Yen (including 28,125,000 Yen as capital reserve)
Sales amount	420,856,506 Yen (FY2020)
Number of Employees	50

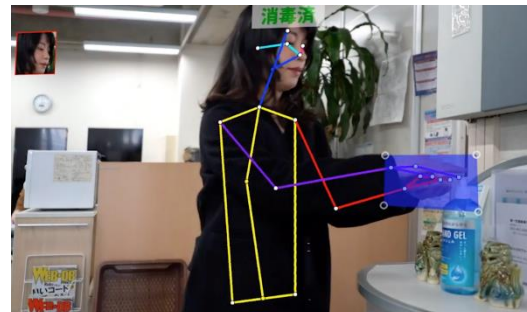
Key products to utilize AI-camera (IP-camera)

Dangerous behavior detection system
in a specific area



When someone penetrates into a specific area,
this system can raise an alert to prevent accident.

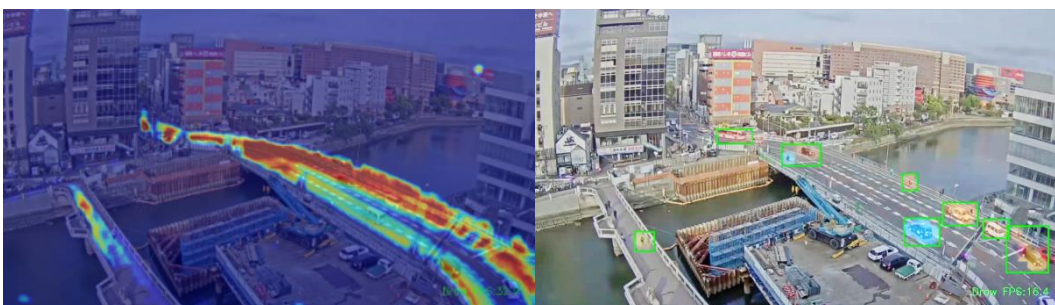
Behavior detection system
in a specific area



When the particular action is detected in a specific
area, this system can raise an alert. In the case of
above photo, it detects presence or absence of
antiseptic and indicates the status.

Optical flow

(The spectrum map of moving speed for target objects)



Measuring the moving speed and distribution of target objects (e.g. speed, traffic condition, flow line),
visualizes them, and displays alerts.