



occupational safety and health management by using video analysis solution

Contactless Biometric Technology
Using rPPG Photohymeasurement Technology

Smart Safety Solution





Smart Safety Solution

Our company, composed of safety experts, will develop smart safety technology suitable for the advanced production system of the 4th industrial site and strive for a safe workplace in Korea. With the introduction of efficient and competitive smart safety technology, companies will act as positive factors such as high productivity, high efficiency, and high productivity, and we will introduce easy and convenient smart safety and health technology suitable for an aging society.

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Technical overview

- At the time of existing contact-based measurement method, "High accuracy" and "High accuracy" and certification test grades (high accuracy and certification test grades)
- Health status analysis is possible by measuring vital signs (pulse, blood pressure, oxygen saturation) in a non-contact manner (identification and access control of health abnormalities)
- As a non-contact image analysis technology as an AI camera, pulse, oxygen foam, oxygen foam, oxygen distribution, oxygen foam, etc. after filming, or exclude workers

Technical Features

Classification	SmartSafetySolution	Binah.ai(Israel)	Nuralogix(Canada)	Panasonic
Measurement item	Pulse, oxygen saturation, blood pressure, breath test	Heart rate, heart rate variation Stress index, Oxygen saturation, respiration	Heart rate, heart rate variability, (HRV), Stress Index, oxygen saturation	Heart rate
Measurement speed	within about 10 seconds	Within about 1 minute	30 seconds	-
Measurement environment	Night measurements available, user movement Sensing, non-contact measurements	Unable to measure night measurement	Night measurement not possible, within ROI guidelines. Your face needs to be in position Measurable	Unable to measure night measurement
Accuracy	Pulse: 98.6% Oxygen saturation: 99.5% Blood pressure: 93%	Unreleased	Unreleased	Unreleased

expectation effectiveness

Response to the Serious Accident Punishment Act	Inspection of accidents, workers' conditions, and real-time safety in industrial sites
Management budget efficiency and mitigation	Safety, management time compared to the number of health managers, simplification of management methods, burden on managers, and cost reduction
Management evaluation reflection	The introduction of smart management system reflects management evaluation scores in employee welfare and safety management
Competitive advantage in the same industry	Selection of best practices for innovation through the introduction of leading technology among industry and group affiliates

Identifying underlying diseases of workers, controlling access to health problems, etc

Securing safe workplaces by preventing industrial accidents

Continuous monitoring of worker health information is expected to prevent serious health problems during work



Key introductions, areas of activity

LG Chem, LG Electronics, LG Household & Health Care, SeAH Besteel, Hyundai Engineering, Hyundai Engineering & Construction, Hwa-young Transportation, DAEGU URBAN DEVELOPMENT CORPORATION, LOTTE E&C, LOTTE DEPARTMENT STORE, PHC(필로시스헬스케어), Sharaf DG, AK PLAZA, AMI COSMETIC, HAPPY DEPARTMENT STORE

THANK YOU

Contact

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