

OPTiM Announces "AI Physical Security Service"
Reduce Labor Costs with AI-Powered Real-Time Monitoring and Notifications

Tokyo (October 3, 2017) - OPTiM (TSE Mothers: 3694), a leading provider of IoT platform solutions, announces AI Physical Security Service, a security solution powered by artificial intelligence (AI).

■ About AI Physical Security Service

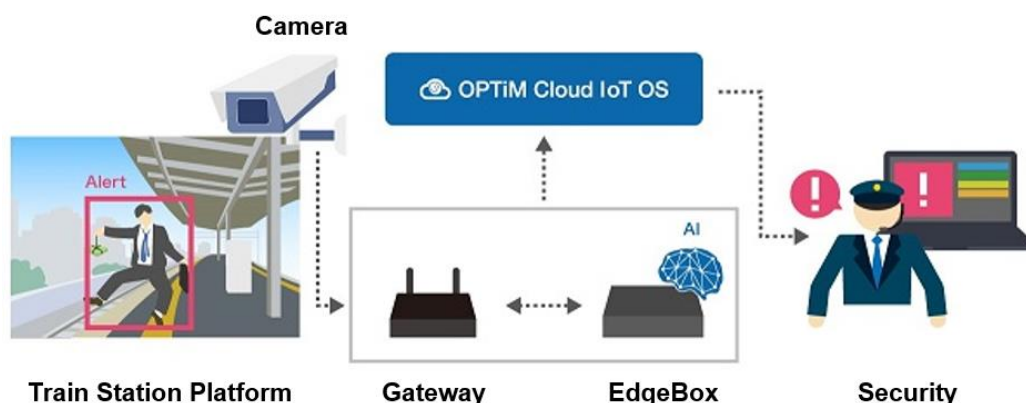
AI Physical Security Service is an AI-powered abnormal activity detection solution that runs on OPTiM Cloud IoT OS. AI monitors and analyzes the images captured by network cameras in real-time and automatically alerts designated staff when dangerous activity is detected, freeing facility employees from doing constant security video monitoring.

Some current and planned functions of this system include trespass detection for finding intruders in a designated area, Abnormal Activity Detection, Congestion Detection, Specialized Observation, and Person Identification. These features are realized by using image analysis technology such as determining foreground and background differences, object detection, posture assessment, region extraction and heat mapping.

◆ AI Physical Security Service Features^{※1}

Features	Details
Trespassing Detection	Detect intrusions into a designated area. Exceptions can be set to specific conditions, so unique settings can be applied to various locations.
Abnormal Activity Detection	Recognize people engaging in abnormal behavior, such as people under the influence of alcohol and loiterers.
Congestion Detection	Identify objects or people that are causing blockage or slowdown, for example, a person having a medical emergency in a walkway.
Specialized Observation	Detects unexpected events such as people being lost or wandering, or people with unhealthy body temperatures indicating illness.
Person Detection	Conduct crime prevention and customer monitoring with facial recognition and person identification technologies.

◆ Trespassing Detection Feature Image



◆Trespassing Detection Feature Settings UI Image



With the features listed below, this solution can be used in a wide range of industries including railroads and other transportation, construction, medicine, welfare, and services industries.

- A built-in user interface with detection settings and learning model construction.
- Real-time detection with use of an EdgeBox^{※2} device.
- Further analysis of acquired and analyzed data in other solutions on OPTiM Cloud IoT OS.

Please visit the [AI Physical Security Service website](#) for further information.

■About OPTiM Cloud IoT OS

OPTiM Cloud IoT OS is an intuitive and secure IoT solution. It allows users to manage and control connected devices, collect and store data on the cloud, and run analysis and AI to uncover insights. A powerful asset for businesses in any industry, Cloud IoT OS brings value to IoT systems and data.

Please visit the [OPTiM Cloud IoT OS website](#) for further information.

※1 The Abnormal Activity Detection, Congestion Detection, Specialized Observation, and Person Detection functions are under development.

※2 Edgebox is a device equipped with various technologies, including a GPU, for high-speed image analysis.

■About OPTiM Corporation

OPTiM is a leader in internet-based services that improve its clients' interactions with technology in all aspects of everyday life. Its solutions provide comprehensive IoT management and multi-functional remote communication. Its business partners include NTT, KDDI, Canon and Fuji Xerox. Based in Tokyo, Japan, its corporate motto is, "We make the net as simple as breathing."

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Please visit the [OPTiM Cloud IoT OS website](#) for more information about this service.