PLEN
Robotics

News Release

<Infection Control Measures>

Automated Health Monitoring for Essential Workers using Facial Recognition with Non-Contact Checks
~AI assistant PLEN Cube Health Check ver. will be a commercial reality~

PLEN Robotics Inc.(headquarters: the Osaka City the CEO: Natsuo Akazawa) will release its non-intrusive body temperature health check-up version of the PLEN Cube in July 2020.

By combining the measurement of body temperature and a medical questionnaire, the Cube enables all people to monitor their health with an affordable device and contribute to protecting our essential workers at hospitals, nursing facilities, etc. against infection.
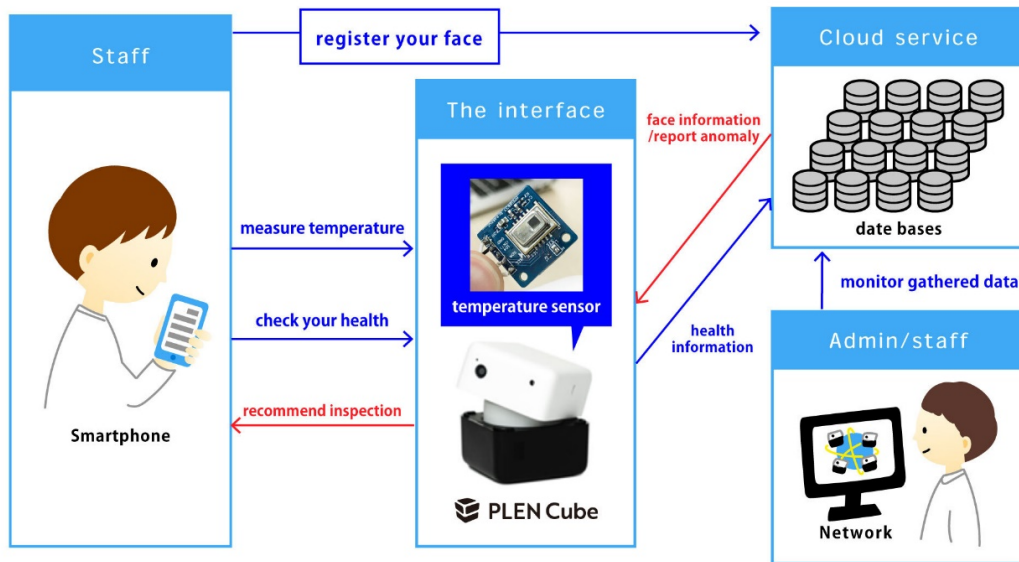
For this purpose, PLEN Robotics has started proof-of-concept experiments of the PLEN Cube Health Check version. at the Osaka High Technology Academy in cooperation with the Osaka Jikei College.

System Outline

The Beta version of this health assessment PLEN Cube combines its face recognition functionality with an expansion pack equipped with a thermal sensor, and can find employees who are not feeling well and decrease the risk of spreading infection.
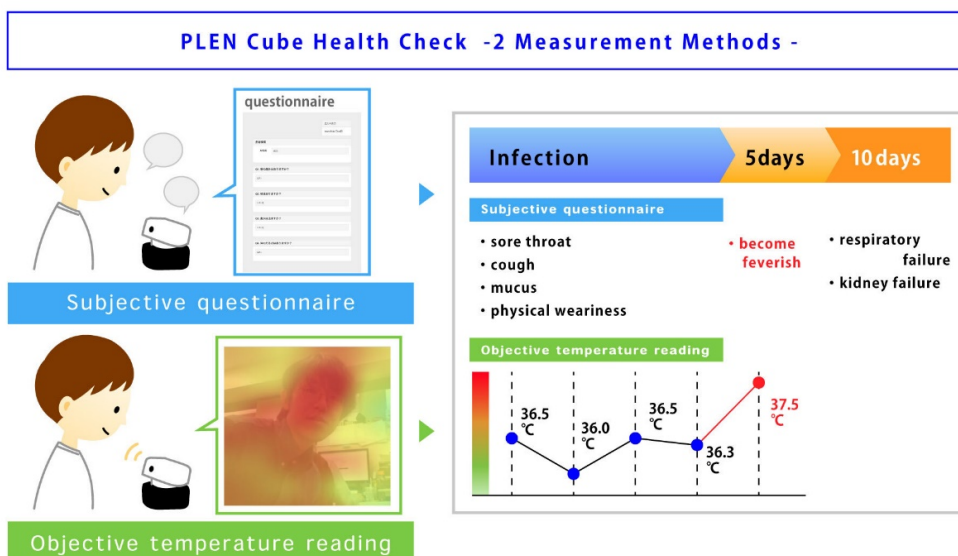
1. The combination of health check and face recognition technology

First, the PLEN Cube registers your face with an application. Next, when you enter the room, the Cube will check your body temperature with temperature sensors and ask about your health. By combining face recognition with this health check, the PLEN Cube can determine your health status, digitize it, and speed up the response while also reducing errors.

2. An automatic questionnaire and temperature reading

Although the PLEN Cube can measure variations in temperature with a temperature sensor, even before coming down with a fever, many people can experience pain in their throats or physical weariness. To find these preliminary symptoms, the Cube will ask you medical related questions. If there is an abnormality in your condition, the Cube will provide an appropriate recommendation.

3. Simple setting and no construction

The system incorporates only a stationary camera, a temperature sensor, and a web application. By adopting this simple, quick set-up system, operational costs and maintenance can be minimized.

About PLEN Cube

The PLEN Cube is a small, cube shaped, AI assistant, which despite its 7cm size, is equipped with a Full HD camera that is capable of face recognition, photos/videos and face-tracking technology. It is able to connect and communicate with different web systems and IT equipment, and even conduct cashless payments and do automatic check-ins for lodging.

Product Schedule

Currently, the PLEN Cube is being produced in Shenzhen, China. The prototype for the Health Check version of PLEN Cube has reached the live experimentation stage at the Osaka High Technology Academy.

Afterwards, the performance will be assessed and adjusted accordingly, and the Beta release will reach the markets.

PLEN Robotics

About PLEN Robotics Inc.

PLEN Robotics Inc. was established in July 2017 to lead robotics, communications and artificial intelligence technologies into practical assistant services and IoT devices.

Using the new AI assistant "PLEN Cube", we aim to improve the efficiency and quality of people's lives, automate customer service, implement cashless payment options, and support companies that are suffering from a labor shortage.

Company website: http://www.plenrobotics.com/en/index.html

＜Contact information for media＞
Atsuhiko Tomita Tel: （＋８１） 06-4256-6630 E-mail : a-tomita@plen.jp