



KONICA MINOLTA

News Release

Konica Minolta Develops a Video Monitoring System to Contribute to Preventing the Spread of Infectious Diseases in Cooperation with Panasonic i-PRO Sensing Solutions

Tokyo (October 14, 2020) – Konica Minolta, Inc. (Konica Minolta) today announced that the company has developed a video monitoring system in cooperation with Panasonic i-PRO Sensing Solutions Co., Ltd. (“Panasonic i-PRO”) to help prevent the spread of infectious diseases by using a thermal camera for measuring body surface temperature and an application, both of which were developed by Konica Minolta.

Konica Minolta and Panasonic i-PRO developed the system through an open partnership to help detect individuals who have increased body surface temperature and those not wearing a mask as part of measures to stop the spread of infectious diseases by taking full advantage of video monitoring technology. The system supports identifying individuals who are suspected to have a fever at places where people gather, such as offices, commercial facilities, plants, and hospitals, monitoring the movements of such individuals, spotting and identifying individuals not wearing a mask, and issuing alerts and controlling the admission of such people, thereby helping prevent the spread of infectious diseases.

Konica Minolta remains committed to helping create a safe and secure environment around the world for working professionals and the general public in the new normal and contributing to the evolution of human society by creating solutions that enable contactless, remote, and real-time response based on its proprietary IoT/AI imaging technologies.

Two Scheduled Applications of the System

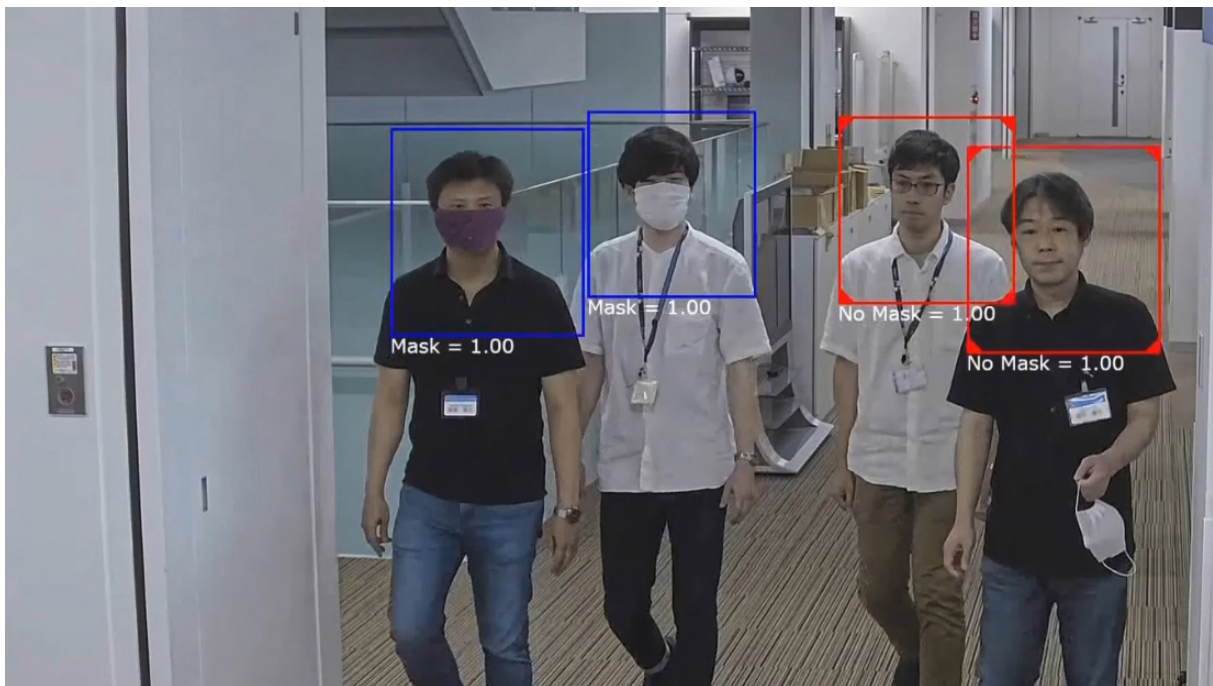
1. Detection of individuals who have increased body surface temperature (to be released in November 2020)

The MOBOTIX network thermal camera (“MOBOTIX thermal camera”), which was developed by MOBOTIX AG (“MOBOTIX”), a group company of Konica Minolta, is linked with the Temperature Screening App, a MOBOTIX thermal camera app developed by Konica Minolta, and a network disc recorder developed by Panasonic i-PRO. The system enables contactless measurement of body surface temperature and records a video captured by the camera in the network disc recorder. When individuals who have increased body surface temperature are detected, the system notifies the administrator or displays information on the digital signage screen, thus enabling admission control, such as talking with and guiding such individuals. It is capable of

remotely measuring body surface temperature without obstructing the traffic flow due to its high throughput, thereby reducing the workload for those conducting the measurement and those being measured. The recorded video can be checked based on alarms issued by the Temperature Screening App when individuals who are suspected to have a fever are detected. This enables monitoring of the movements of such individuals and identifying others who were in close contact.

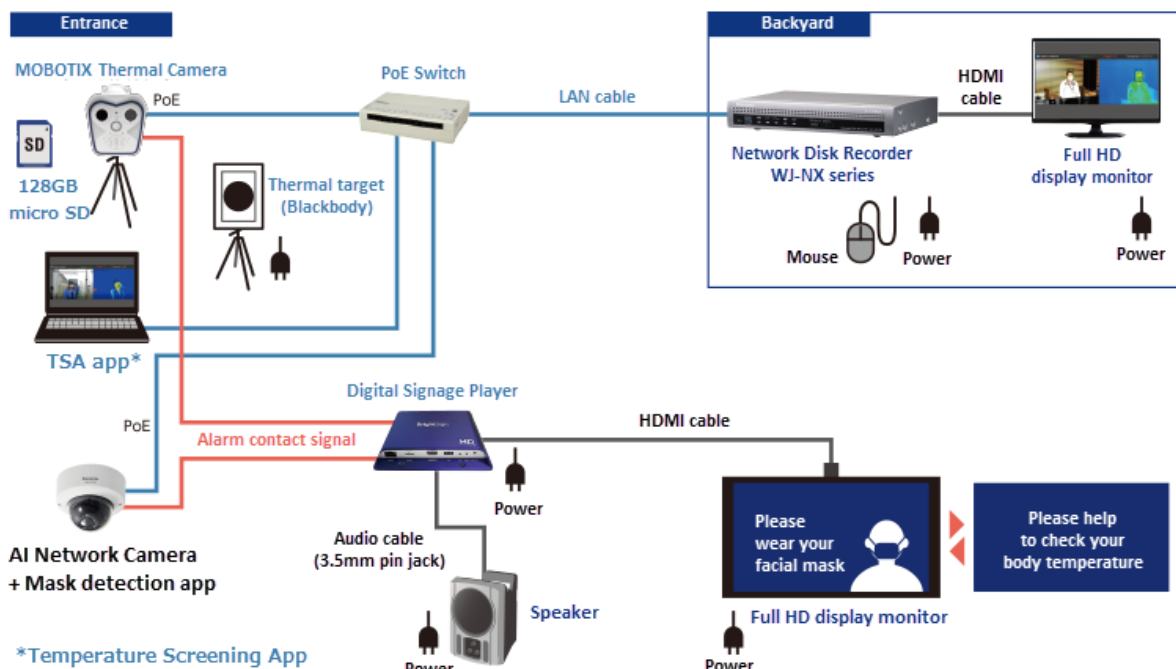
2. Detection of individuals not wearing a mask (to be released in December 2020)

The AI application for detecting individuals not wearing a mask, which was developed by Panasonic i-PRO, runs on a network camera equipped with an AI processor. Individuals in the video can be identified by the camera alone, and AI technology is used to determine whether they are wearing a mask. Multiple individuals without a mask in the same video frame can be detected at the same time, and then checked without obstructing the traffic flow, while the video captured by the network camera at the time is recorded in the network disc recorder. Connection with a digital signage screen makes it possible to alert those people by indicating the information on the screen.



A screen image of detecting individuals not wearing a mask. A red frame indicates individuals not wearing a mask, and a blue frame those wearing a mask (image courtesy of Panasonic i-PRO).

System configuration



Outlook

Konica Minolta will work more closely with Panasonic i-PRO, starting with selling this solution. Synergies will be created by combining the diverse assets and technologies of the two companies to meet various market needs, such as intrusion monitoring at night and in dark places, and detection of equipment abnormalities, such as heating and ignition, in addition to measures against infectious diseases.

■ Notes

The system is not medical equipment, and does not determine whether detected moving people have infectious diseases; it is intended to be used for screening. (After detection, people who exceed the threshold temperature for screening should be asked to measure their body temperature accurately using a contact thermometer.)

The contactless measurement of body surface temperature using the system is affected by weather, temperature, and humidity at the time of measurement, what the subjects were doing before (drinking something hot, doing exercise), and other factors. Thus, the traffic line must be designed properly.

Customer contact

Konica Minolta Japan, Inc.

<https://businesssolution.konicaminolta.jp/business/products/mobotix/index.html> (in Japanese)

For more information

Konica Minolta MOBOTIX – IP network camera system

<https://businesssolution.konicaminolta.jp/business/products/mobotix/index.html> (in Japanese)

Panasonic i-PRO Sensing Solutions Co., Ltd.

<https://ipro.panasonic.com/en/>

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