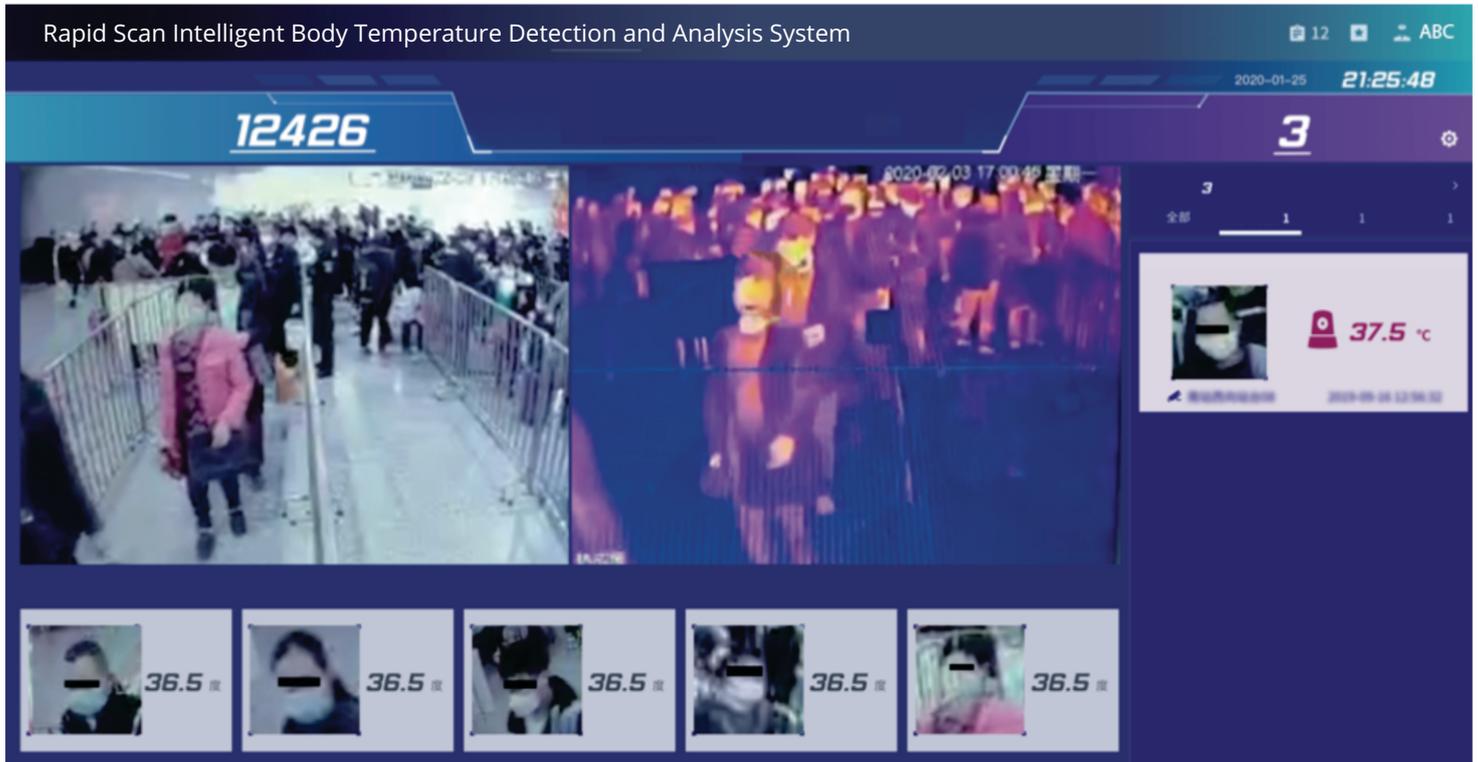# VNG-COB Rapid Scan

World Most Accurate Body Temperature Detection and Analysis System

Rapid Scan is based on the "facial recognition + infrared/visible dual-sensor system" powered by our deep learning AI platform. Through dual-light fusion technology, Rapid Scan is capable to bundle and calibrate the infrared temperature measurement results with a face snapshot and automatically generate an alarm when people have a high temperature. Rapid Scan's proprietary light-weight, low power consumption, high-performance CNN (convolutional neural network) algorithm model has the capability to empower high accuracy AI algorithm model on edge analytic devices. The system can be deployed in a very short period at public places, realizing temperature screening in a non-contact manner through our AI technology.

www.cobeal.com

"AI+Blackbody" Measurement System with Very High Cost Effectiveness

Proprietary CNN based edge devices to bring out the best performance of edge devices.

Dynamic Temperature Calibration

Intelligent passive blackbody technology, real-time sensing of ambient temperature, and dynamically compensates for differences to cope with complex scenes.

Temperature Measurement with High Speed

Accurate temperature measurement for multiple people at the same time, supports multiple network relays, and can work with gate access control to achieve self-service temperature measurement and access control.

Non-contact Temperature Measurement

Supports up to 4 meters of non-contact temperature measurement to ensure epidemic prevention and security.

Rapid Deployment

Installed on edge device and 1-minute rapid deployment.

Optimized Detection Model

Optimized forehead detection model for detecting the face of people who wear hats and masks, forehead detection rate>99.9%

Ultra-precision Temperature Measurement

Tested by one of the World's renowned institute of Meteorology and Testing, the accuracy within the range of 30°C - 45°C is as high as ± 0.1°C (in a laboratory environment)

Big Face Library, High Concurrency

The face library supports up to 80,000 photos, and can achieve simultaneous temperature measurement and passage for up to 6 to 8 people per second.

Mask-wearing Detection

Automatic identification and alarm for those who do not wear a mask, detection rate > 99.6%

Full Interface, Easy Docking

Has full standard data interface to quickly implement various data docking with third-party platforms.

Application Scenarios

Education	Hospital	Community	Government Building	Airport Security	Train Station	Bus Station	Subway

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