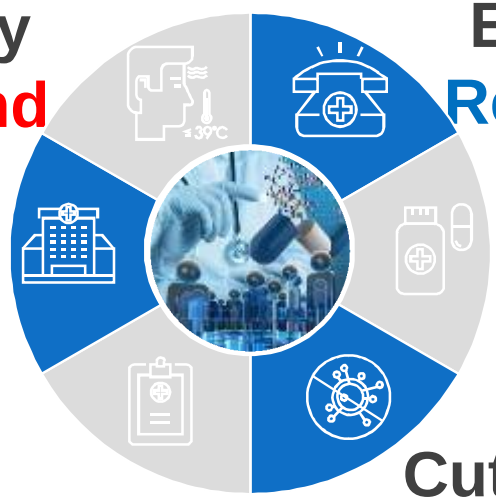
Body-Temperature Detection System based on AI

Guiding Principles for Infectious Disease Prevention & Control



Design

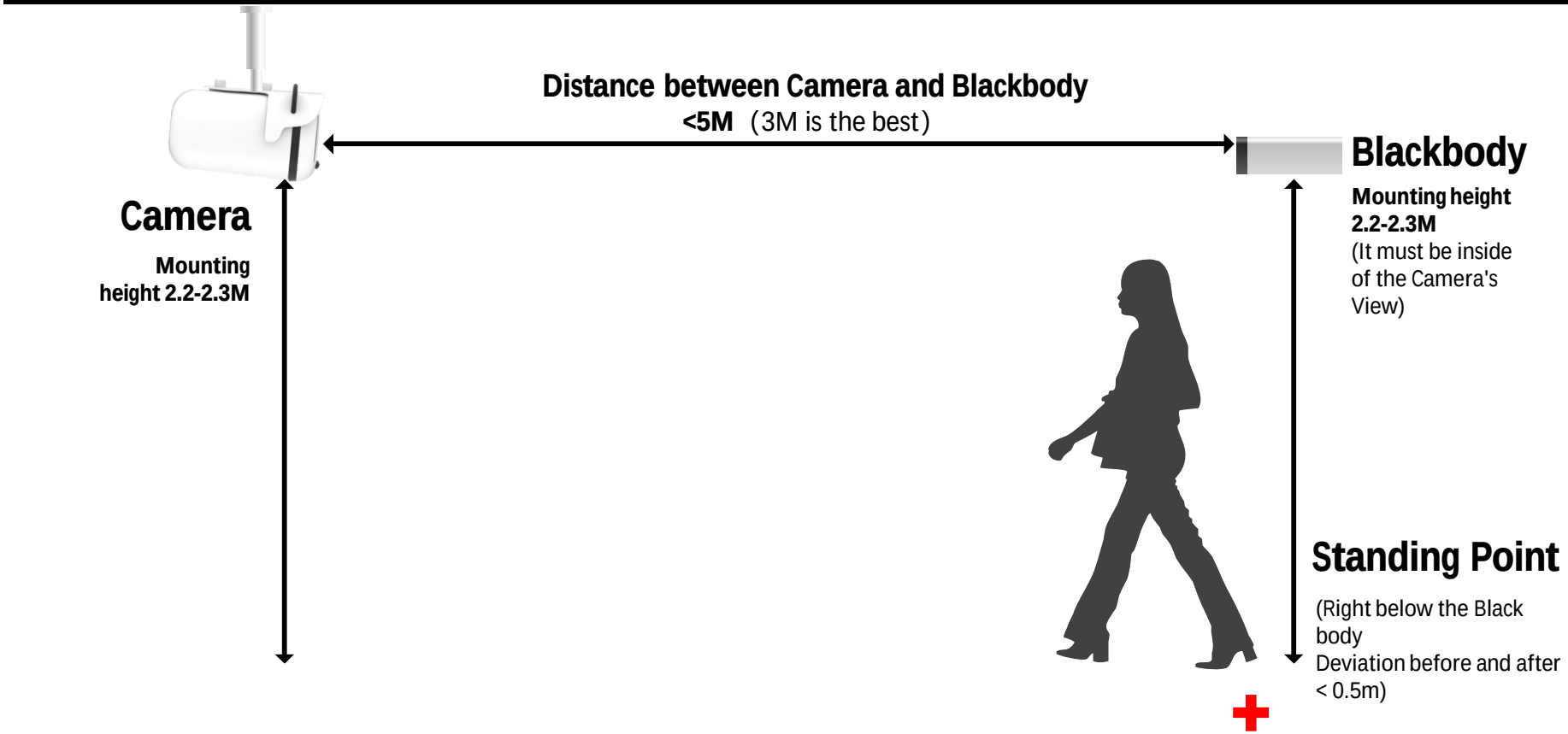
Model: ZNT-B0F8-TASX4

Features: Temp. detection accuracy ≤0.3C
Temp. detection Target up to 16
Response time ≤30ms
Temp. detection distance ≤10m

Dual vision, Two channels, One IP

Dual vision, two channels, realize face detection with temperature detection simultaneously and overlay the temperature on the face

BODY TEMPERATURE DETECTION SYSTEM



BODY TEMPERATURE DETECTION SYSTEM

Multi-target quick temp. detection

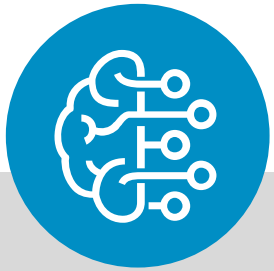
Intelligent body temp. detection		Traditional body temp. detection
16 target temp. detection in 30ms	VS	Finish temp. detection for 16 target in 16s
Real time temp. detection for 16 targets simultaneously		Temp. detection for only 1 target once
Dynamic real-time continuously detect		Arrange irregular detection
Intelligent automatic temp. detection		Manual temp. detection

BODY TEMPERATURE DETECTION SYSTEM

High accuracy body temp. detection

In house temp. conversion algorithm

to convert human body surface temp. to body temp.



In house temp. correction algorithm

Eliminate temp. drift caused by environment, distance, etc., ensure the camera work stably and reliably for long time

Accuracy≤0.3℃

Accuracy≤0.3℃
Emissivity, distance, environment temp. setting, etc.

Face tracking

Embedded face detection algorithm, accurately locate the temp. to the target face

Over temp. real time alarm

Alarm I/O

2 In/2 Out alarm;
External buzzer and alarm light supported

Over temp. alarm

When detected over temp. trigger the alarm

Applications

School

Custom

Hospital

Airport

Train station

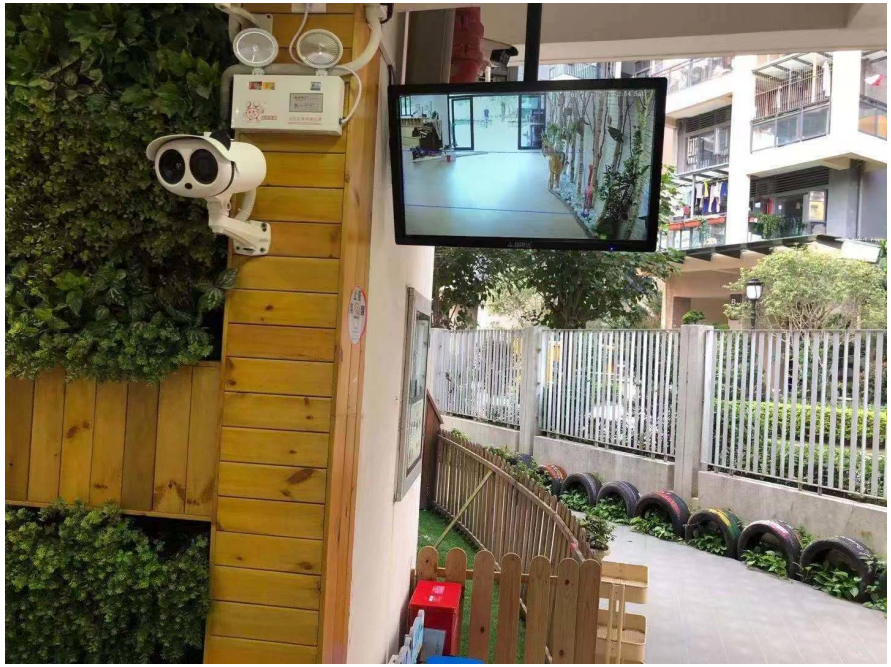
Case Study-1

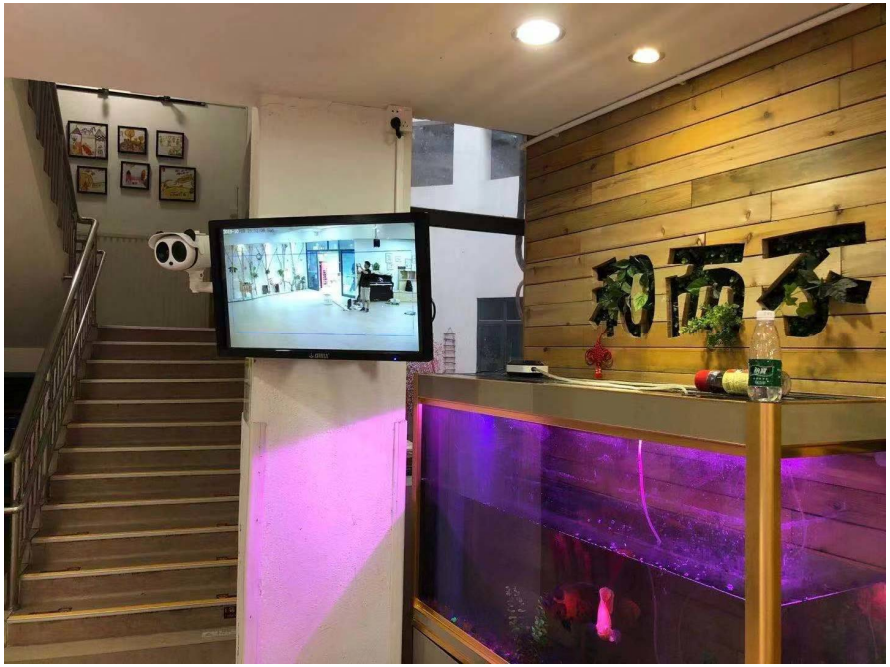
Shenzhen Public Security Bureau

Case Study -2

Shenzhen Center for Disease Control and Prevention

Case Study-3





Kindergarten

THANK YOU