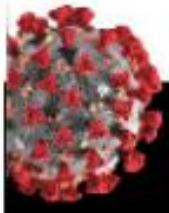
CKS SOLUTION

"Smart Pass" of Temperature Measurement & Face Recognition

Smart Pass / ASP-19



"Smart Pass ASP-19", pass management vertical module of temperature measure mcnt & facc rccognition uscs Rockchip RK3288 / RK3399 / Qualcomm MSM8953 high-performance hardware platform, equipped with industrial-class binocular camera, live face recognition technology and **infrared thermal imaging module** to **support face-with-mask identify**. It also supports expansion of various peripherals such as ID card readers, fingerprint readers , etc., which can be applied to gate passages and attendance system to achieve safe and efficient acc ess control for personnel.

Features

- 8-inch IPS full-view LCD display
- Stable and reliable appearance, waterproof design
- Supports 30,000 face databases.
- 1: 1 Comparative recognition rate is 99.7%,
- Face recognition rate 0.5 second
- Accurate face recognition and comparison while wearing a mask
- Body temperature sensing distance is 1m (optimal 0.5m) Measurement error is ± 0.5 ℃.

Installation place

- School, kindergarten
- Government offices
- Buildings, Offices, Restaurants
- Department stores, Museum
- Movie theaters, Church
- Tourist attraction
- Suitable for public service
- places such as social welfare facilities.

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- **Module structure description**

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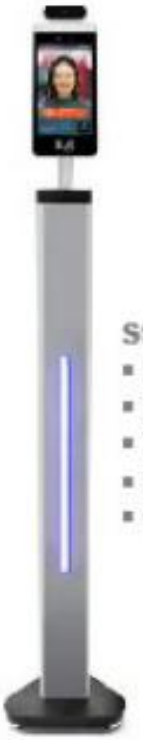
- **Installation**



adult

Standard Model

- Height: 110cm
- 2 USB ports
- The base with adjusting screws
- Blue light strip
- Cold rolled plate painting

Children

- **Wire interface definition**

The interface of each terminal is defined as follows.

Relay

	Terminal electrical definition
Pin1	COM
Pin2	NO

Wigan input

	Terminal electrical definition
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

Wigan output

	Terminal electrical definition
Pin1	D0_OUT
Pin2	D1_OUT
Pin3	GND

232 serial port

	Terminal electrical definition
Pin1	232_RX1
Pin2	232_TX1
Pin3	GND

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- **Specifications**

Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White balance	auto
	Photo flood light	LED and IR dual photo flood light
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800×1280
	Touch	Not supported (optional support)
Processor	CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
	Upgrade button	Support Uboot upgrade button
	Wired network	1 RJ45 Ethernet socket
Function	Credit card reader	None (optional IC card reader, ID card)
	Face Detection	Supports detection and tracking of multiple people at the same time
	Face library	Up to 30,000
	1: N face recognition	Support
	1: 1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.
	Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
Infrared thermal imaging module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature measurement accuracy	≤ ±0.5℃
	Temperature measurement range	10℃~42℃
	Pixels	32 X 32 dots (total 1024 pixels)
	Visitors' temperatu- re is normal and re leased directly	Support
	Abnormal tem- perature alarm	Support (temperature alarm value can be set)
General parameters	Power	DC12V (±10%)
	Operating temperature	0℃~60℃
	Storage temperature	-20℃~60℃
	Power consumption	13.5W (Max)
	Installation method	Gate bracket installation
	Size	296.18*132.88*25 (mm)
Packing list	Machine * 1, power adapter * 1, manual * 1	

Contact

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SmartPass 19

Site Examples

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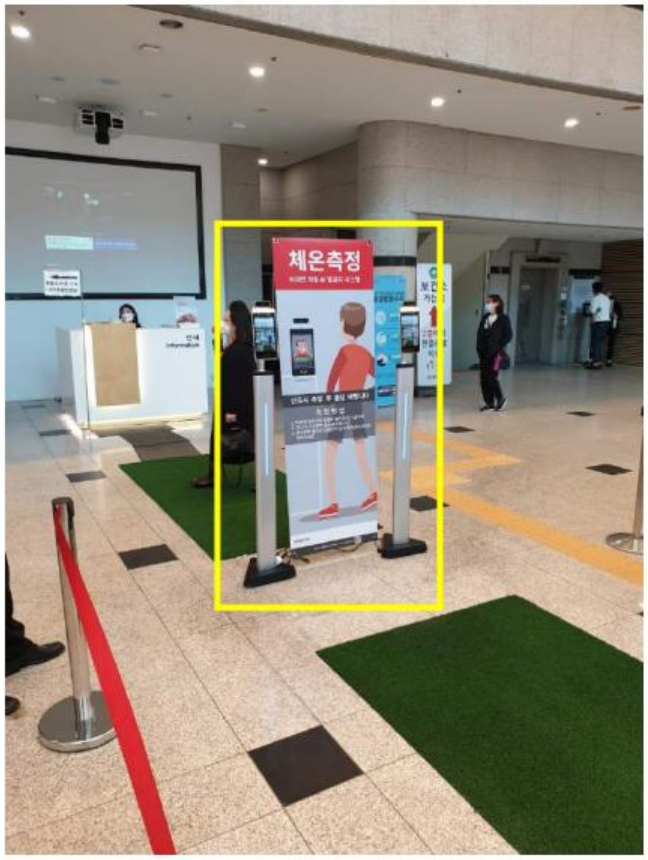
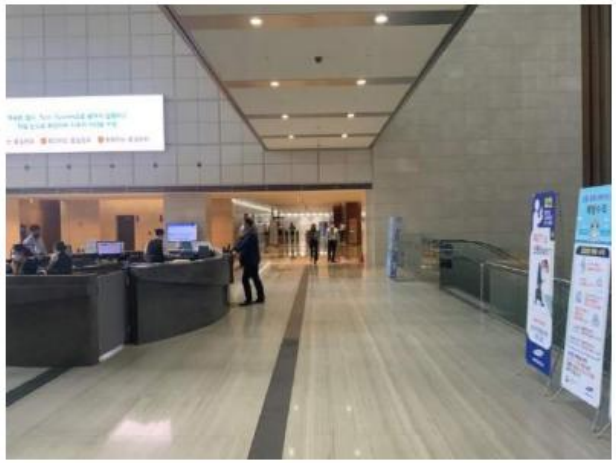
Government Office

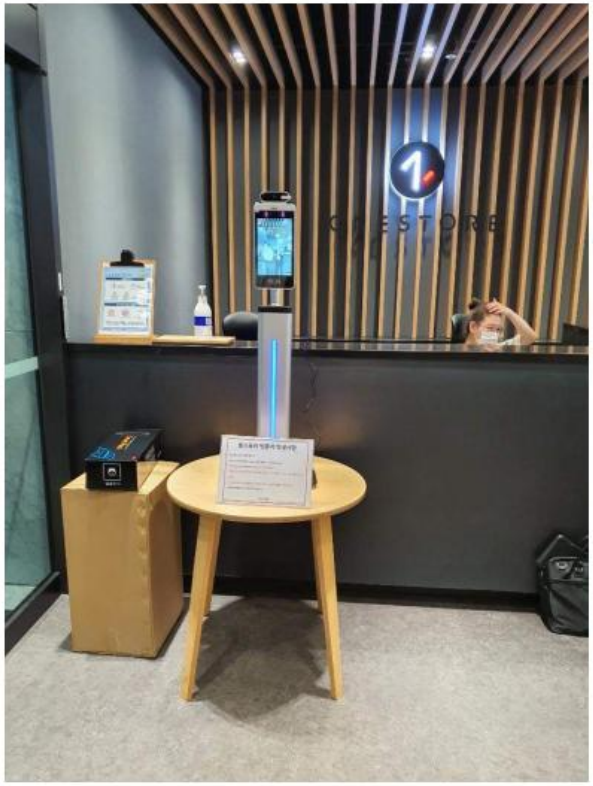


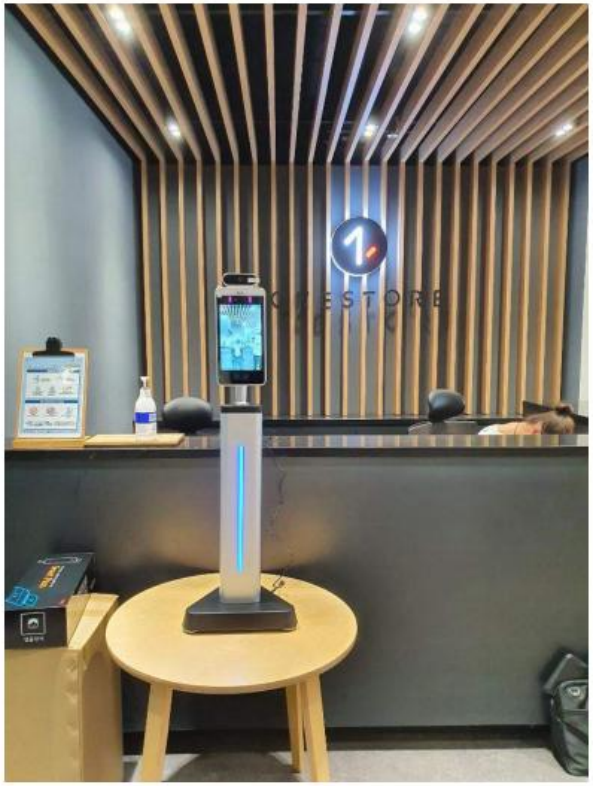
Jungrang Ward Office

Corporate Office

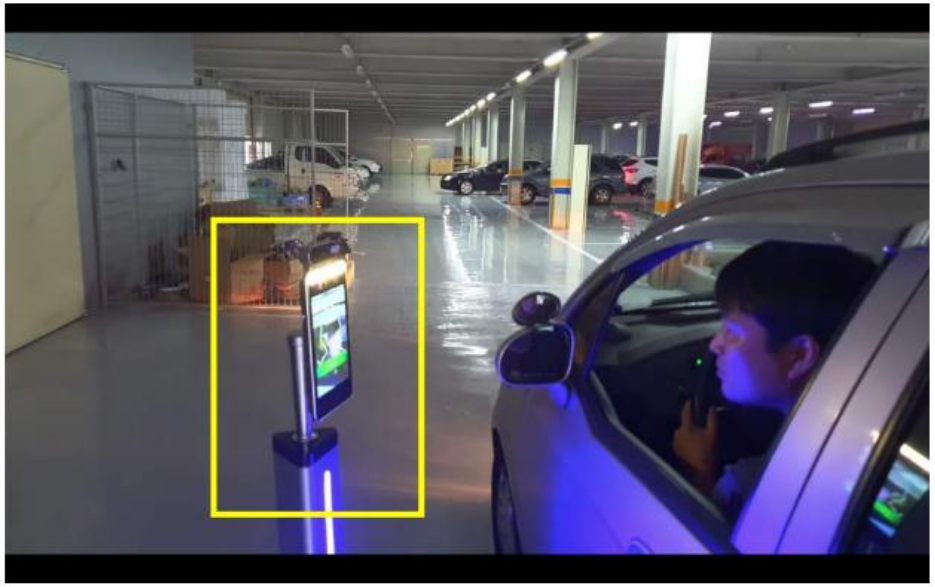


Samsung C&T Corporation



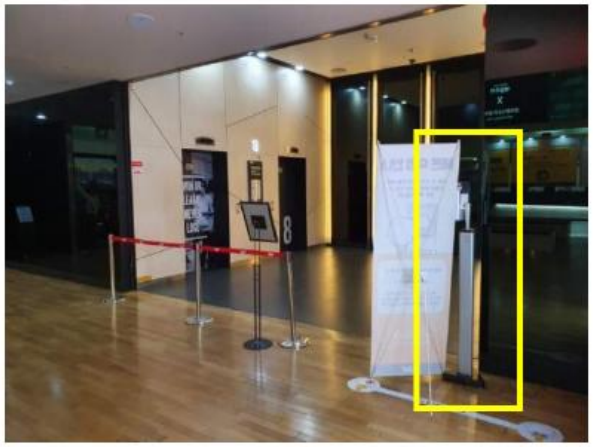


One Store



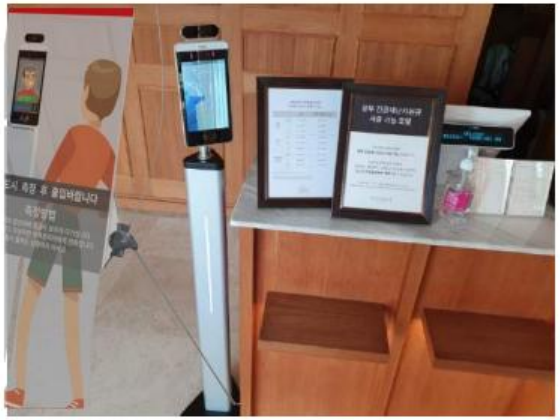
Parking Lot Entrance: Drive Thru Method

Movie Theater



CGV Movie Theater

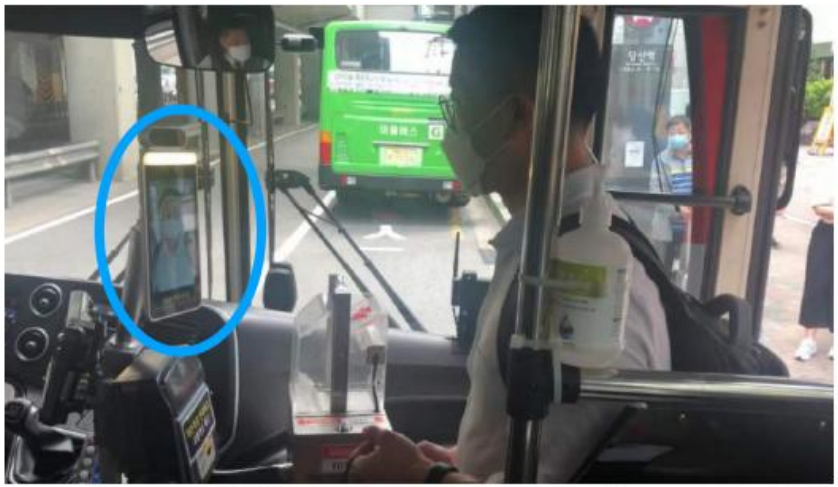
Hotel

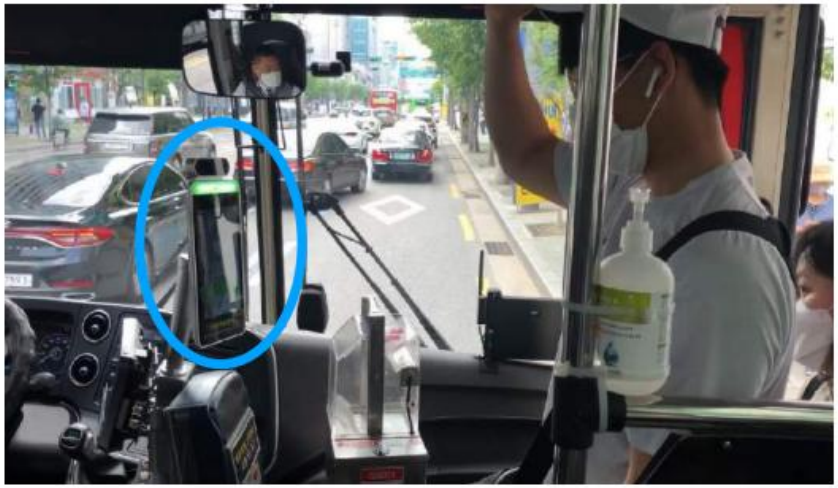


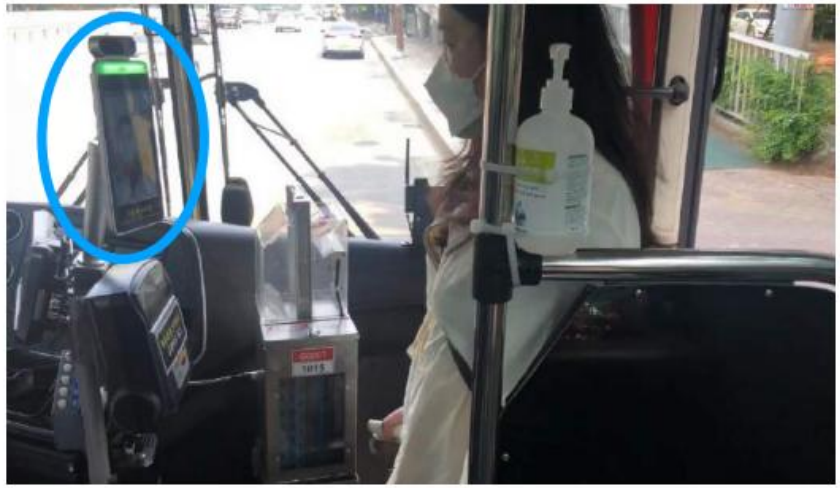
Mayfield Hotel

Public Transportation

Gimpo Public Bus





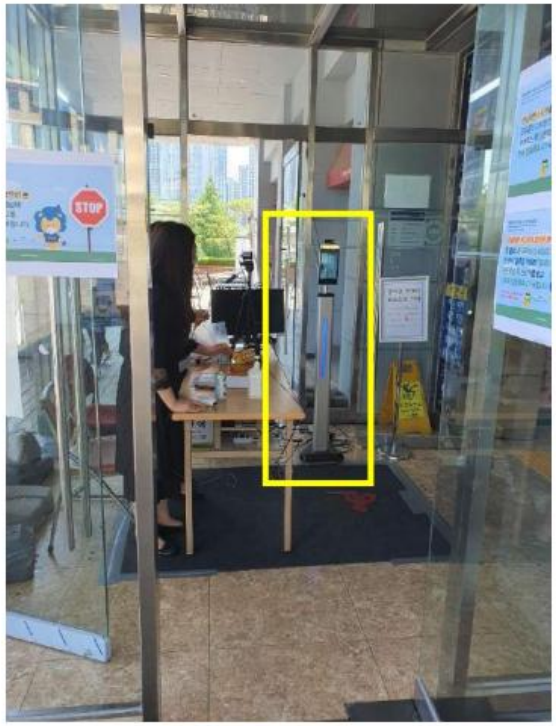


Gimpo Public Bus

People who have body temperature of 37.5 degrees or higher are not allowed to take the bus

Gimpo Public Bus

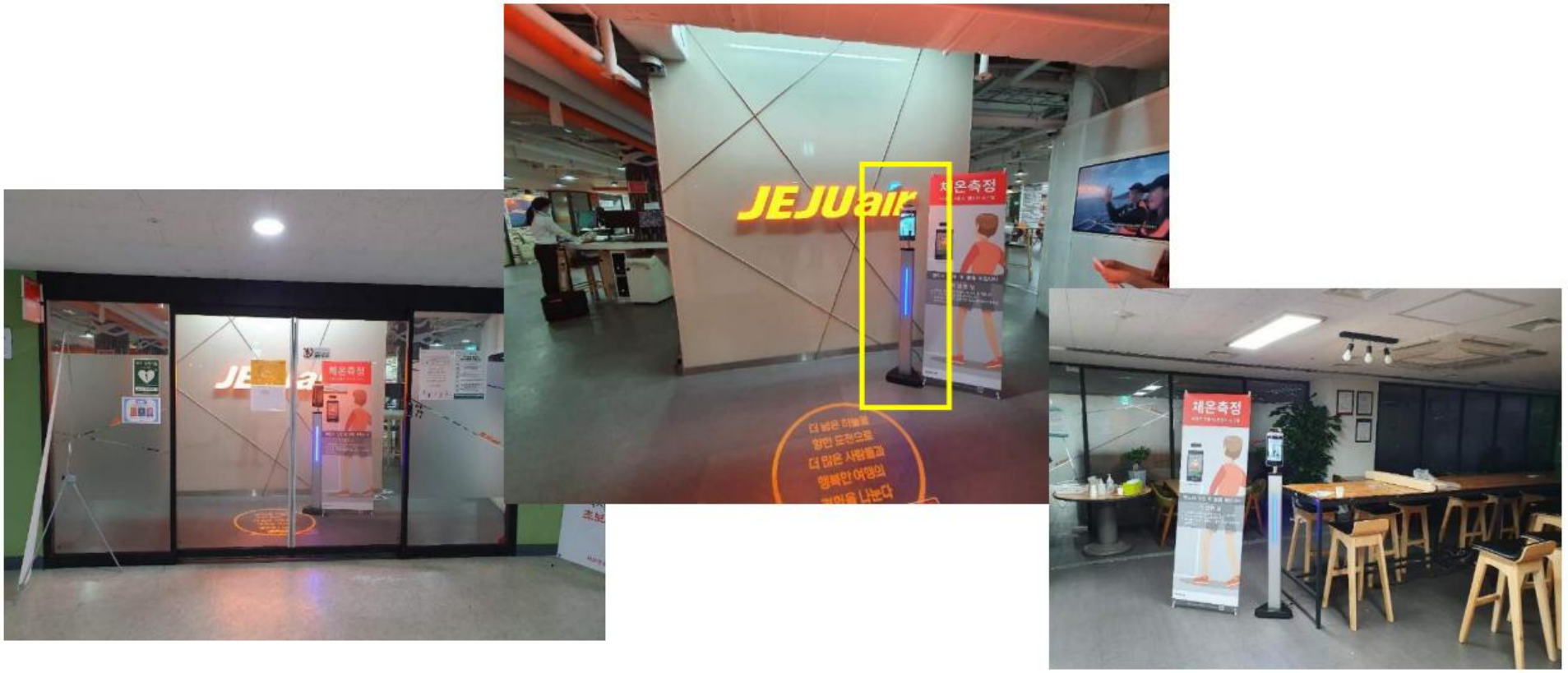
School



Hanyang University

Forest Kids Kindergarten

Airport



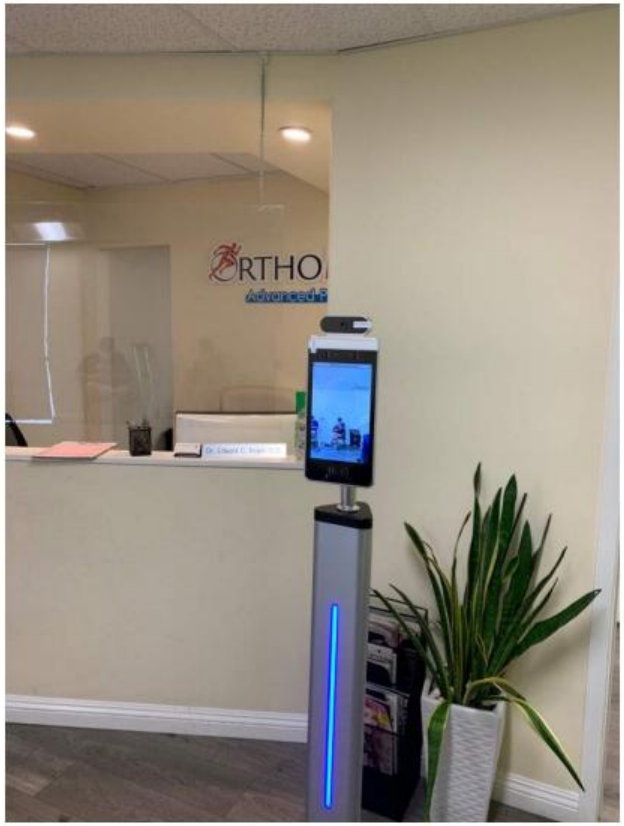
Jeju Airline

Coffee Shop

A Twosome Place

Medical Industry

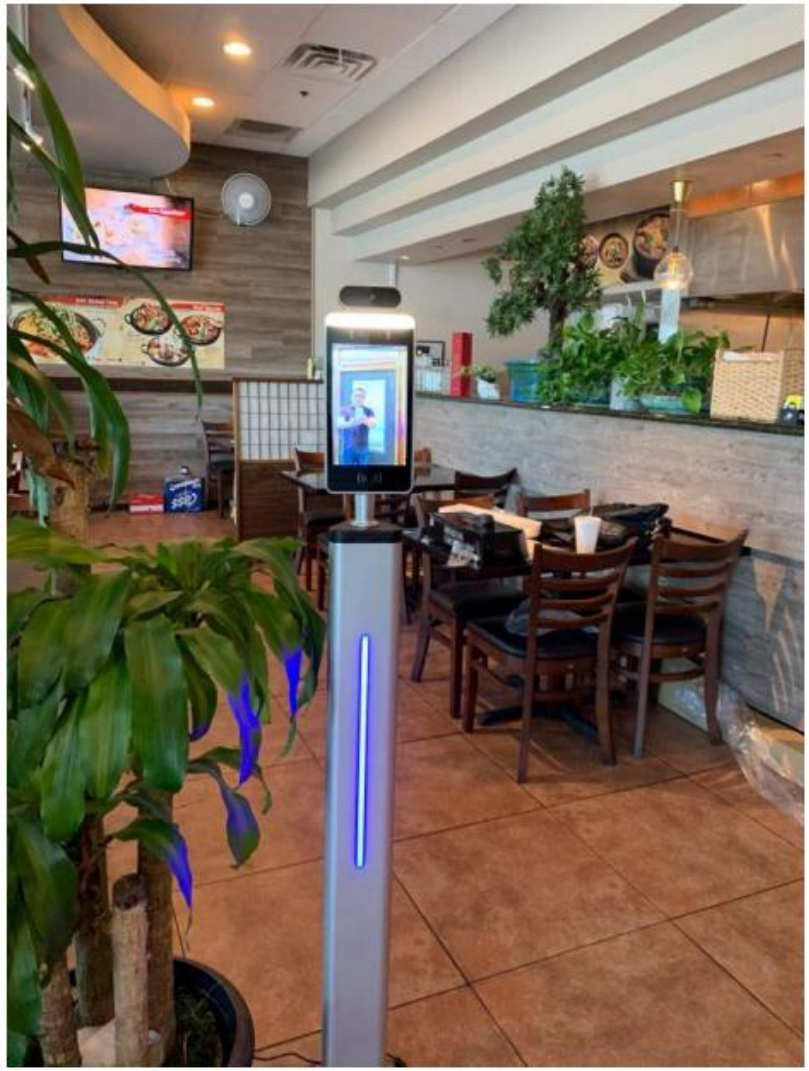
AMD Medical Plaza



Orthomedics Advanced Pain & Spine

Restaurant

Jjanga Steak & Sushi



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