COVID-19
READY

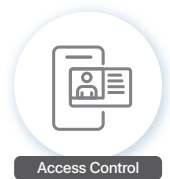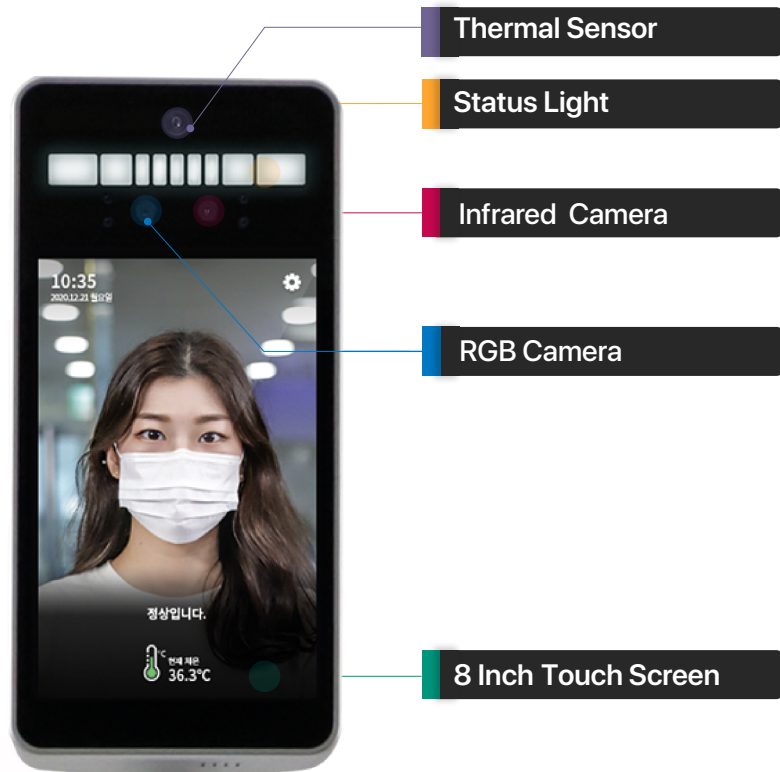**Hitachi-LG** Data Storage, Inc.

SAFE PASS

Face Recognition
Temperature Measurement Terminal

Temperature Check

Face Recognition

Access Control
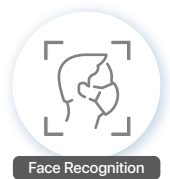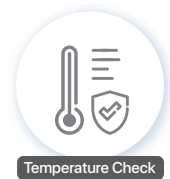
* This product is not a medical device. Please use an authorized medical thermometer for the diagnosis of disease.

Thermal Sensor

Status Light

Infrared Camera

RGB Camera

8 Inch Touch Screen

Adjustable
Floor Stand

Adjustable Height
(0.9-1.4m)

1050mm

45mm

Compact
Table Stand

130mm

270mm

388mm

281mm

Powerful Core Function

Top Class Face Recognition AI Engine
: 99.5% accuracy in just 0.2 sec (NIST Approved) [01]

HL365™ Temperature Monitoring AI
: ±0.2°C accuracy within ~1.0m distance [02]

Face Mask Ready
: Face recognition and temperature scan with mask-on
: Optional alert for mask-off face

Industry Best Hardware

Hexa-Core RK3399 Chip for Android
: Super fast Hexa-Core Max 1.8GHz with 30,000 face library

8 inch Touch LCD Display
: Supports 800x1200 resolution

WiFi & Bluetooth Mobile Connectivity
: Easily connect to your system, cloud and more

Next Step towards Evolution

Value Extension Package
: Explore for new experience with our various IoT solutions
"Safe Pass" + Large Format Touch Display + AI Voice Assistant + 3D LiDAR

Integrate with Access Control System
: Link to your security gate control system and more

Greater Peace of Mind

Anti-Spoofing
: Deep learning + IR camera for liveness check

Encrypted Data with "Made in Korea" S/W
: Proprietary encryption format with no back-doors

Ease of Use

Administrator Tool for both PC & Mobile
: Supports QR visitor register, SMS text alert [03]

Online Software Update
: One touch download for new S/W updates

Easy Installation
: Height extension (0.9~1.4M)
: Plug & Play, no tools needed

3 Way Communication for Interaction
: LCD Display + LED + Voice
 Prompt for effective communication
: Supports 5 languages (ENG/CHN/KOR/JPN/VTM)

[01] Under no-mask condition
[02] Around 25°C, indoors, no-wind condition
[03] SMS alert only available in Korea

Various User Scenarios

✅ Restaurant

✅ Office

✅ Café

✅ Convenience Store

✅ Building

✅ School

✅ Factory (Line Entrance)

✅ Factory (Loading Zone)
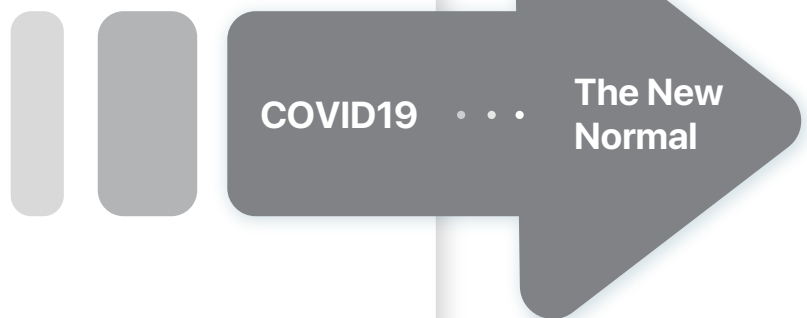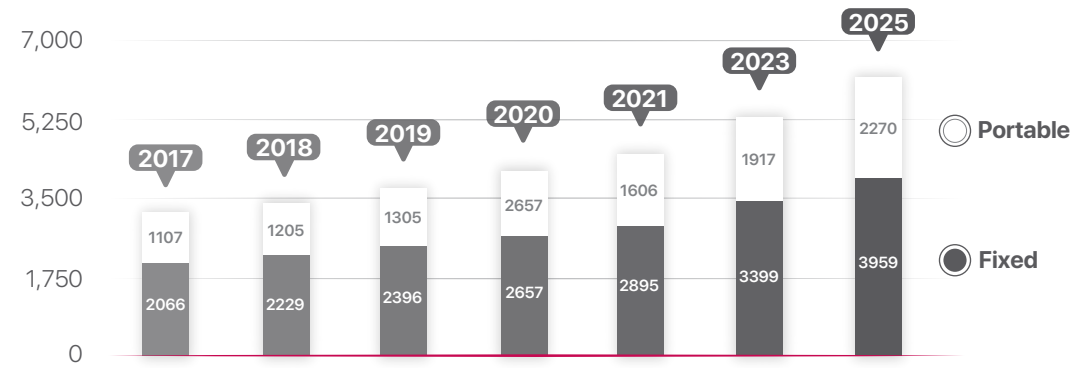
Current Estimation

Face Recognition Market

CAGR
18%

USD 3 Billion
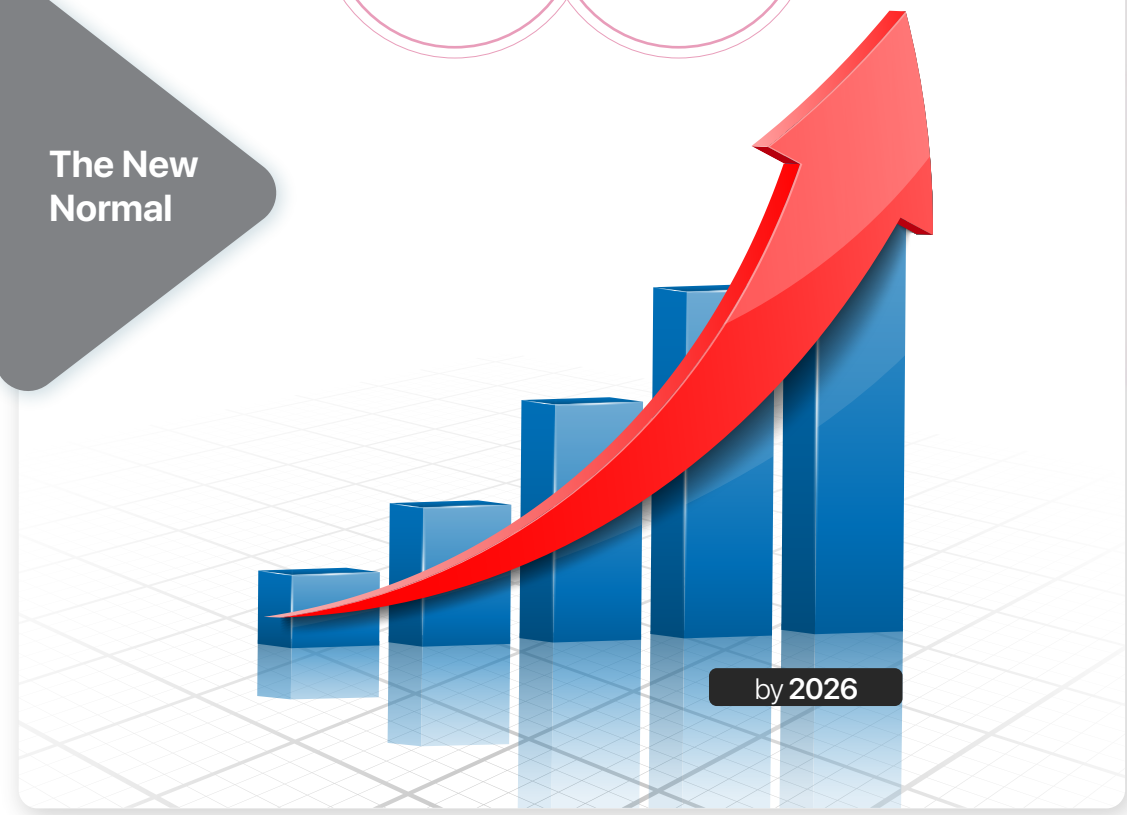
2019　2020　2021　2022　2023　2024　2025　2026

USD 12 Billion

*Source : Global Market Insights

Thermal Scanner Market

CAGR
8%

*Unit: Million USD
*Source: Global Market Insights

Year	Portable	Fixed
2017	1107	2066
2018	1205	2229
2019	1305	2396
2020	2657	2657
2021	1606	2895
2023	1917	3399
2025	2270	3959

7,000
5,250
3,500
1,750
0

○ **Portable**
● **Fixed**

COVID19 · · · **The New Normal**

Future Prospects

Market Potential

20 Billion USD +**α**

by **2026**

H·L Data Storage | **Data Solutions for a Better Life and Society**
with Storage, Sensor, and Screen
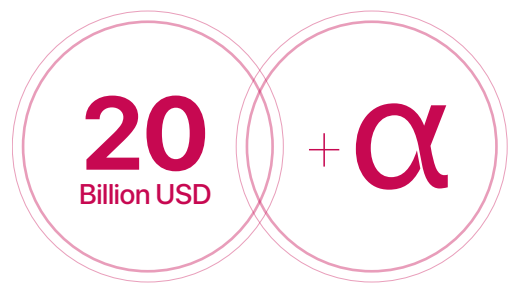
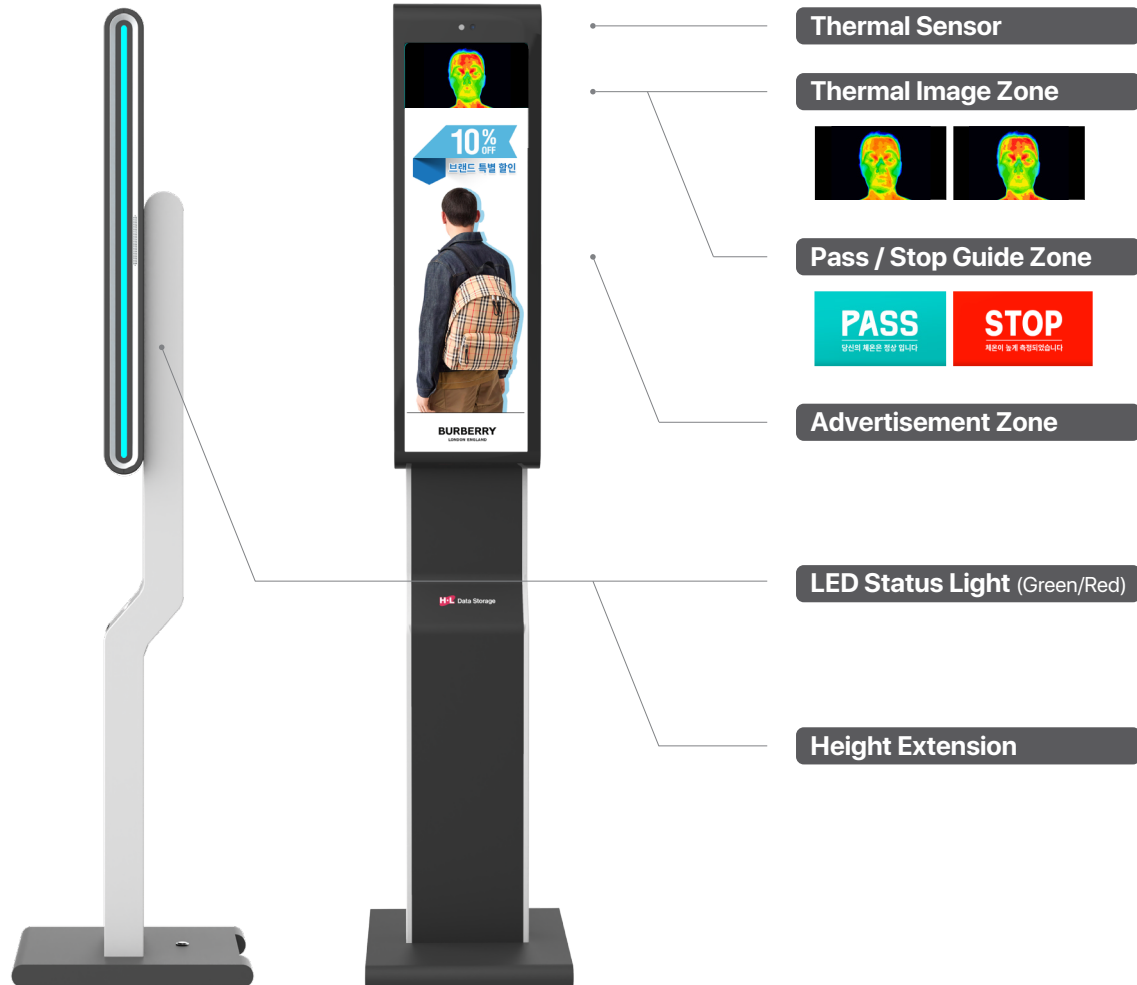|	2020 / 4Q	2021 / 1Q	2021 / 2Q	2021 / 3Q	2021 / 4Q	Launch Schedule
Face Recognition Thermal Sensing System	Standard (1:1) (1st Generation)	Thermal Sensor + Face Recognition				**Available**
		Entry-Level (1:1) (2nd Generation)	Thermal Sensor + Face Recognition			**Q1 '21**
				Premium (1:N) (3rd Generation)	Thermal Sensor + Face Recognition	**Q3 '21**
Information Display & AI Voice			29" LCD Stretch Signage + Thermal Sensor + (Face Recognition)		Face Recognition + AI Voice Assistant	**Q2 '21** / **Q4 '21 (TBD)**

Build your own product with preferred features

Custom Products	**Thermal Sensor**	**In-Touch Display**	**Face Recognition**	**AI Voice**	**Dust Sensor**	
	– Entry-Level (4x4/1:1)	– 23/29 inch Stretch	– RGB/IR Camera	– Voice Beamforming	– Standard 1.0/2.5/10 PPM	**3 Months from Order**
	– Standard (32x32/1:1)	– 32/43/55 inch Standard	– 3D Depth Camera	– Other AI Voice Platform	– Fixed 1.0/2.5/10 PPM	
	– Premium (QVGA/1:N)	– 55/75/86 inch Pro	(Palm/Fingerprint)			

Touch Panel Digital Information Display with Thermal Sensor

COMING SOON

Thermal Sensor

Thermal Image Zone

Pass / Stop Guide Zone

PASS 당신의 체온은 정상 입니다

STOP 체온이 높게 측정되었습니다

Advertisement Zone

LED Status Light (Green/Red)

Height Extension

Features

- Temperature Scanning with HL365™ AI
- Advertisement Display
- [Optional] Face Recognition (Access Control)
- [Optional] AI Voice Assistant (Speaker Tracking)
- [Optional] Smart Order Kiosk (Touch Order)
- [Optional] Portable Power Station

Specification

- 29" LG Touch LCD Stretch Display
  (Resolution 1920x540)
- Quad-Core RK3288 Chip for Android 7.1
- WiFi Mobile Connectivity
- I/O Interface
  Output : USB-C, OTG, Micro HDMI

Safe Pass Products

**Table Stand
Face Recognition
+ Temperature Measurement**

PASS

10% OFF

BURBERRY

**Floor Stand
Face Recognition
+ Temperature Measurement**

**29" Touch Panel Display
+ Temperature Measurement**
+ (Face Recognition)

+

Extension Pack

Available Now

3D LiDAR Sensor
(People Tracking /
Mid Range Scanning)

Dust Sensor
(Air Quality Monitoring)

Coming Soon

AI Voice Assistant
(Speaker Recognition)

Digital Information Display
(Smart Order Kiosk /
Digital Signage)

3D Depth Camera
(Personal Identification /
Close Range Scanning)

Possible Solutions

Retail Solution Package
for a Safe Environment

\# COVID19 Quarantine Measure
\# Gate Screening / ID Check
\# Contact-free Ordering
\# Contact-free Serving
\# Occupancy Monitoring
\# Air Quality Monitoring
\# Virtual Fitting
\# Payment Authentication
\# In-Store Analytics (Footfall, Dwelling)

■ Restaurant   ■ Office
■ Café   ■ School
■ Convenience Store   ■ Factory
■ Building   ■ Public Space

Sales Contact

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