



BRIDGING

THE LIFE

ELEMENTS

HYUNDAI HT Co., Ltd.

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From the closest place  
to your daily life  
to the future of residential space  
we will meet,

HYUNDAI HT is connecting  
new possibilities  
between space and technology,  
everyday life and future.

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PART

1

INTRODUCTION

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HISTORY

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BRAND MARK

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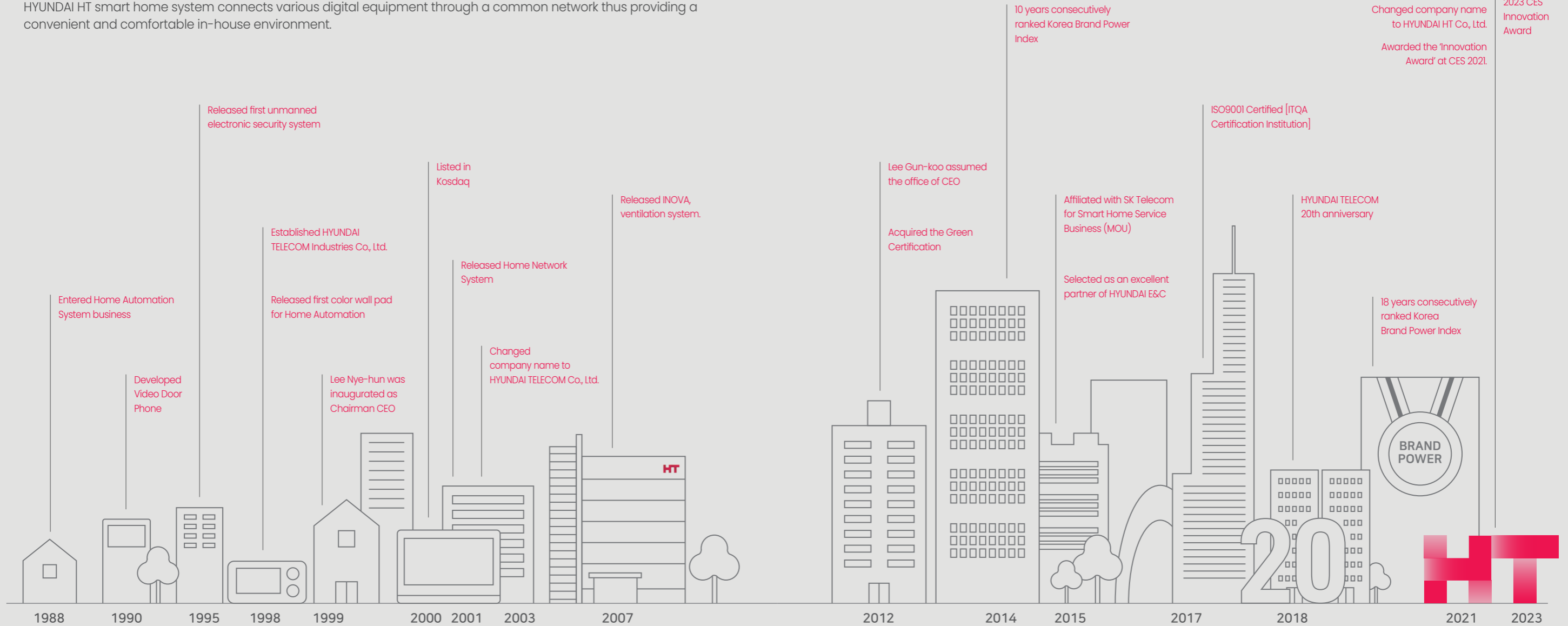
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# HYUNDAI HT HISTORY

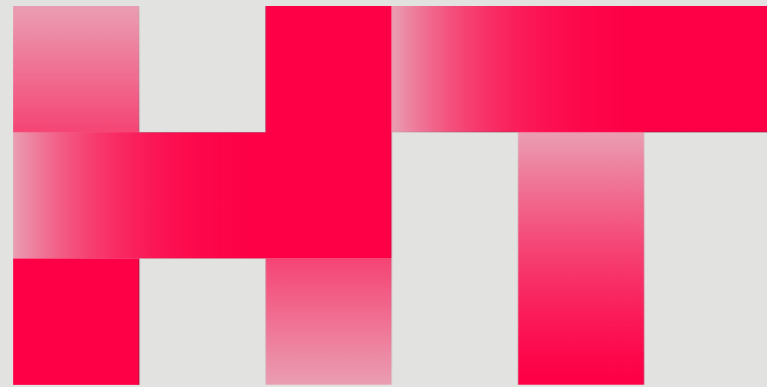
HYUNDAI HT is currently running first in market share for the smart home industry with the most domestic installation sites and has been first for 19 consecutive years in brand power.

HYUNDAI HT is striving towards providing its customers with a more comfortable and convenient lifestyle by developing an intelligent futuristic home system.

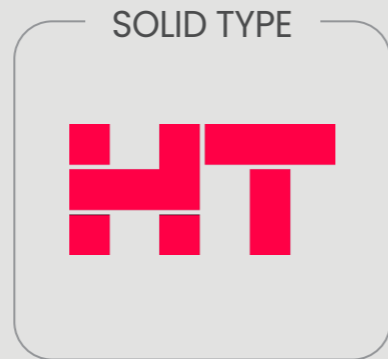
HYUNDAI HT smart home system connects various digital equipment through a common network thus providing a convenient and comfortable in-house environment.



# HYUNDAI HT BRAND



It represents images of interacting digital pixels, and displays the shape of the company that connects new potentials of space, technology, everyday life and future.



# HYUNDAI HT PHILOSOPHY

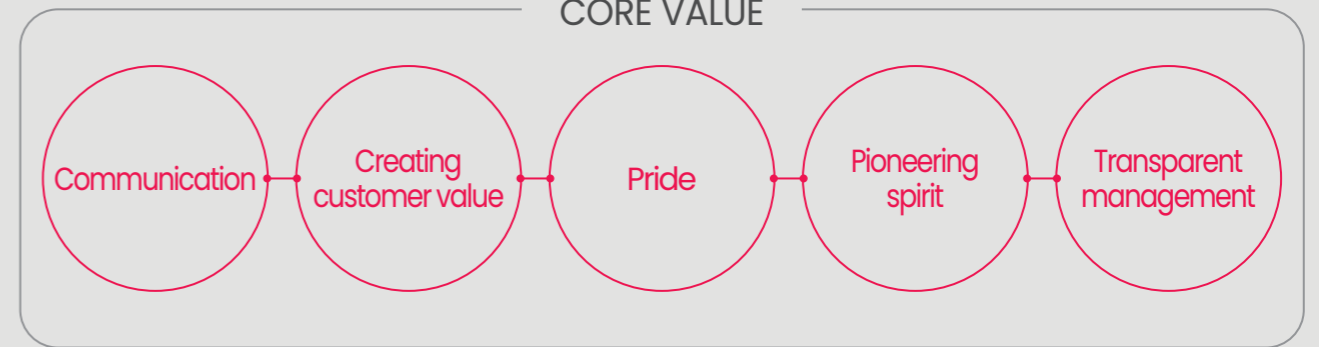
MISSION

## Hello Tomorrow, Home Think

VISION

## Global leading residential service platform company that creates new residential culture

CORE VALUE



PART

2

SOLUTIONS

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## SMART HOME

# SMART HOME SOLUTION

Smart home solution is a futuristic residential environment that provides various services through call, security, information devices connected by a network to provide safety, management, and pleasure of home that integrates smart home infrastructure, devices, services to provide services regardless of time, place, and device based on this technology, it connects the public area and various IoT devices to provide a smart lifestyle by improving convenience life, ensuring safety and easy control remotely.

## Smart Home System

Smart home system means controlling various installed devices in the house such as lighting, gas and heating devices which are connected by a network through a smartphone or an internet.

## Home Automation System

Home automation means a comprehensive system that provides the convenience of life and safety through various devices installed in the house and public areas.

## Advantages of Smart Home Solution



### IoT Smart Home

Providing a service able to control home devices at anywhere and anytime to improve the convenience of life regardless of time, place and device



### IoT Connection

Providing various conveniences by organically connecting the IoT devices such as security and control devices



### Stable Network Technology

Providing stable network service with HYUNDAI HT's reliable technical skills and know-how

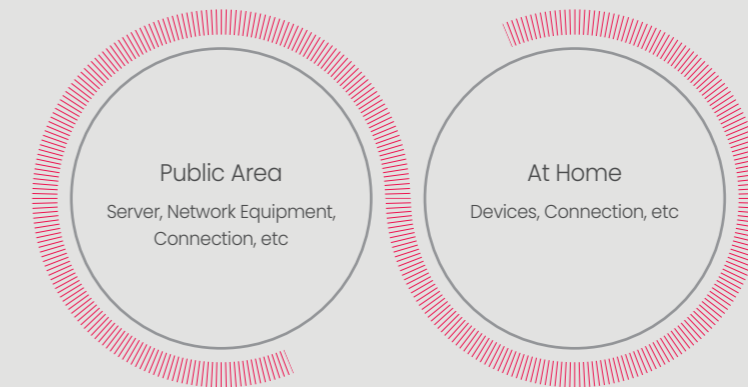
## SMART HOME

# MAINTENANCE SERVICE

Starting with maintenance services, HYUNDAI HT is conducting new concept service business by discovering new services that are converged with other industries and through this, HYUNDAI HT manages whole smart home devices and provides continuous, stable maintenance services.

## Definition

It is a system that supplies continuous and stable service, operation, maintenance for smart home devices in a house and public area.



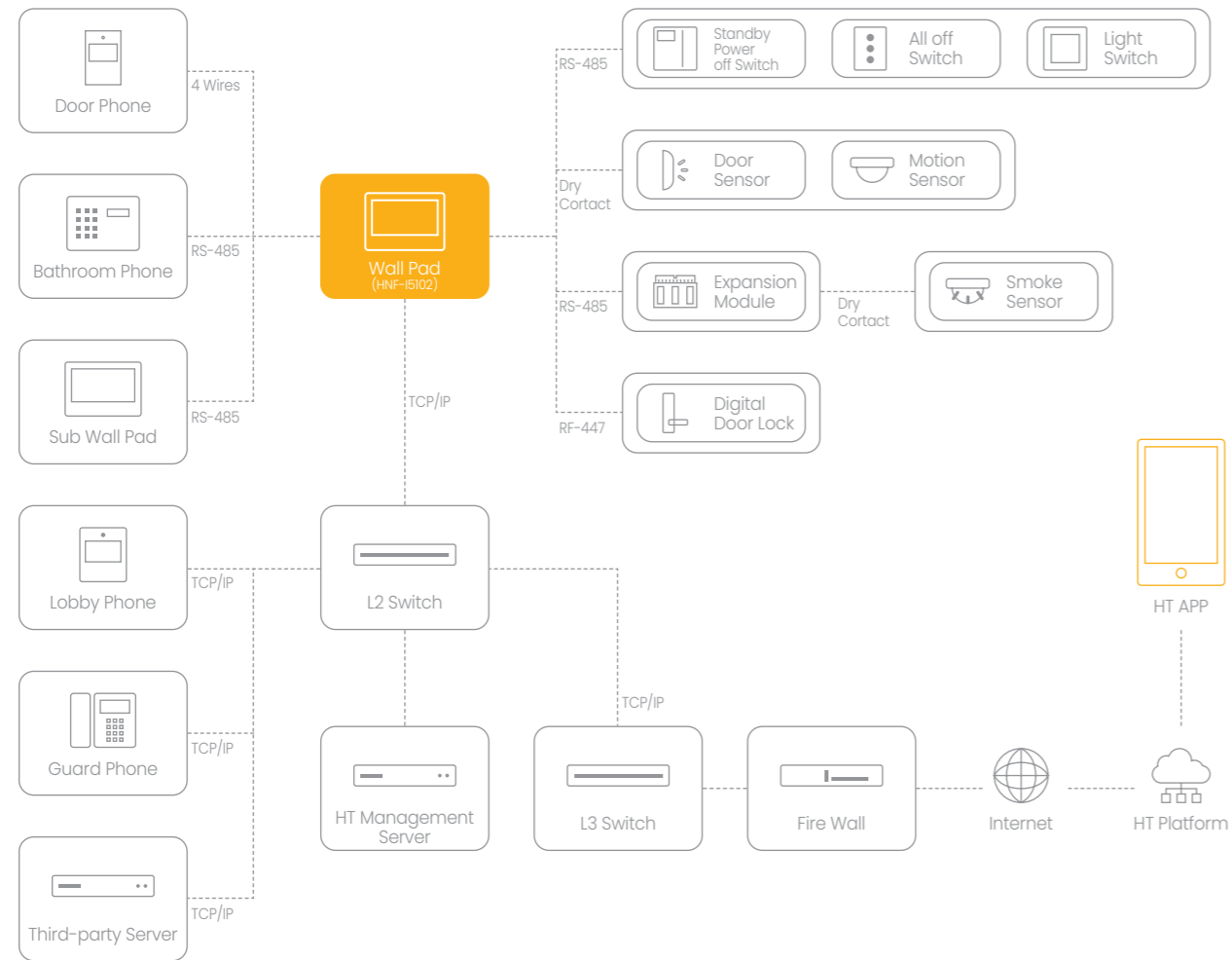
## Configuration

Function	Category	Object
<b>Failure Handling</b> <ul style="list-style-type: none"> <li>- Fast action in case of failure</li> <li>- Analysis of the failure and action to prevent a recurrence</li> </ul>	<b>Maintenance</b> <ul style="list-style-type: none"> <li>- Stabilizing network after warranty</li> <li>- Full maintenance service for A/S</li> </ul>	<b>Installed Smart Home System</b> <ul style="list-style-type: none"> <li>- Wall pad, door phone</li> <li>- Lobby phone, guard phone</li> <li>- Switch, router, backbone</li> <li>- Server</li> <li>- Third-party system</li> <li>- Elevator call, parking, CCTV, etc</li> </ul>
<b>Support</b> <ul style="list-style-type: none"> <li>- Regular preventive check</li> <li>- Assigned an expert</li> <li>- Training</li> <li>- Monitoring</li> </ul>	<b>Support</b> <ul style="list-style-type: none"> <li>- Proactive action with proactive inspection and monitoring</li> <li>- Monthly regular inspection</li> </ul>	

SMART HOME

# HNF-15102 DIAGRAM

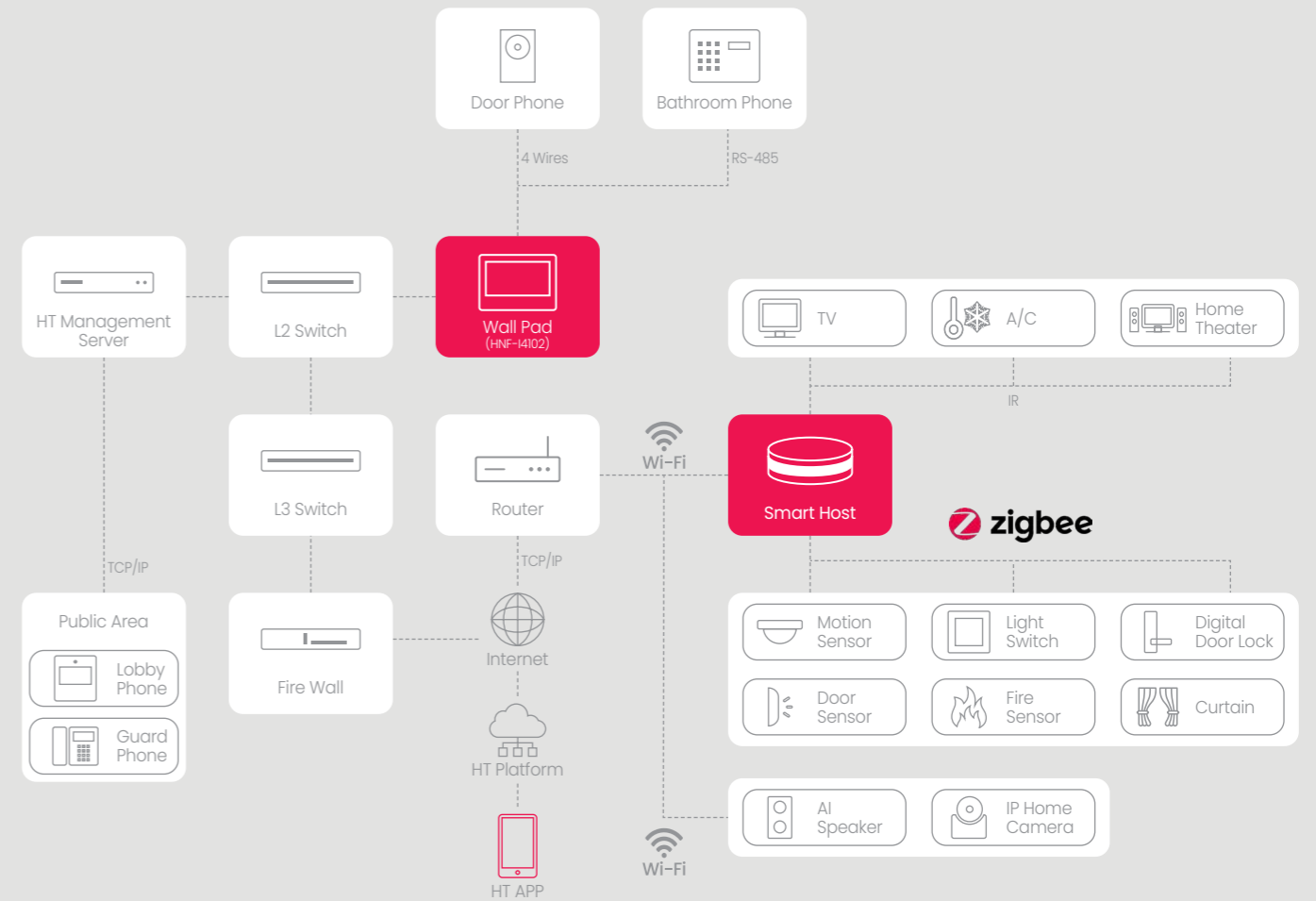
Apartment, Landed House, Villas, Condominium



SMART HOME

# HNF-14102 DIAGRAM

Apartment, Landed House, Villas, Condominium

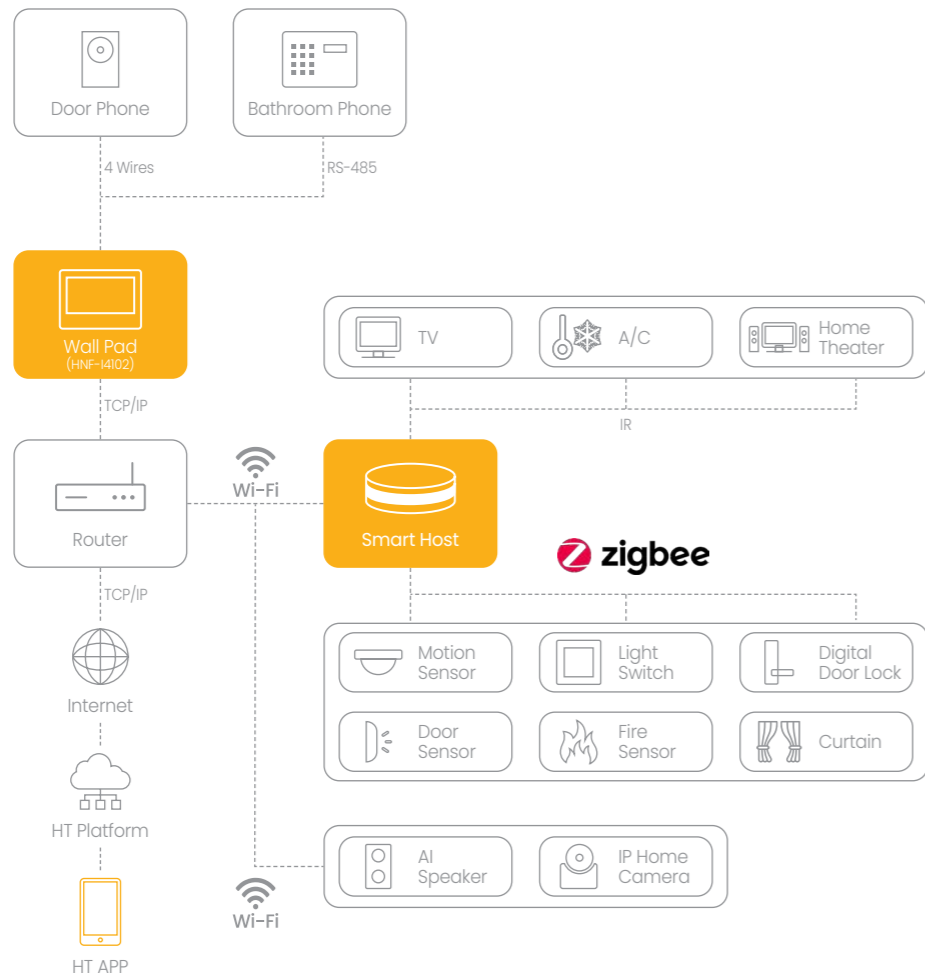




SMART HOME

# HNF-I4102 DIAGRAM

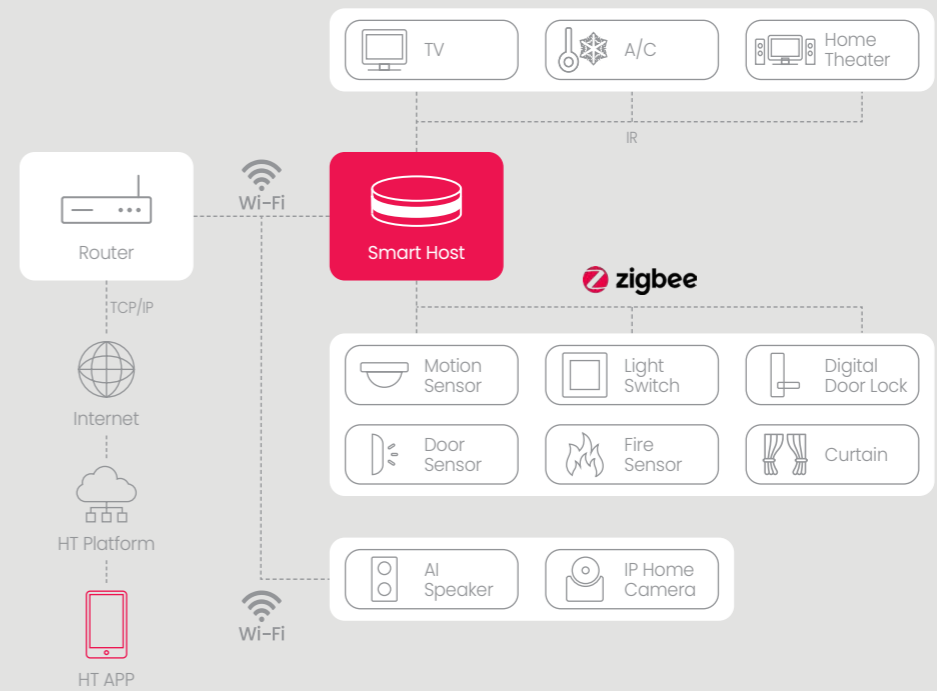
Single-Family Home



SMART HOME

# SMART HOST DIAGRAM

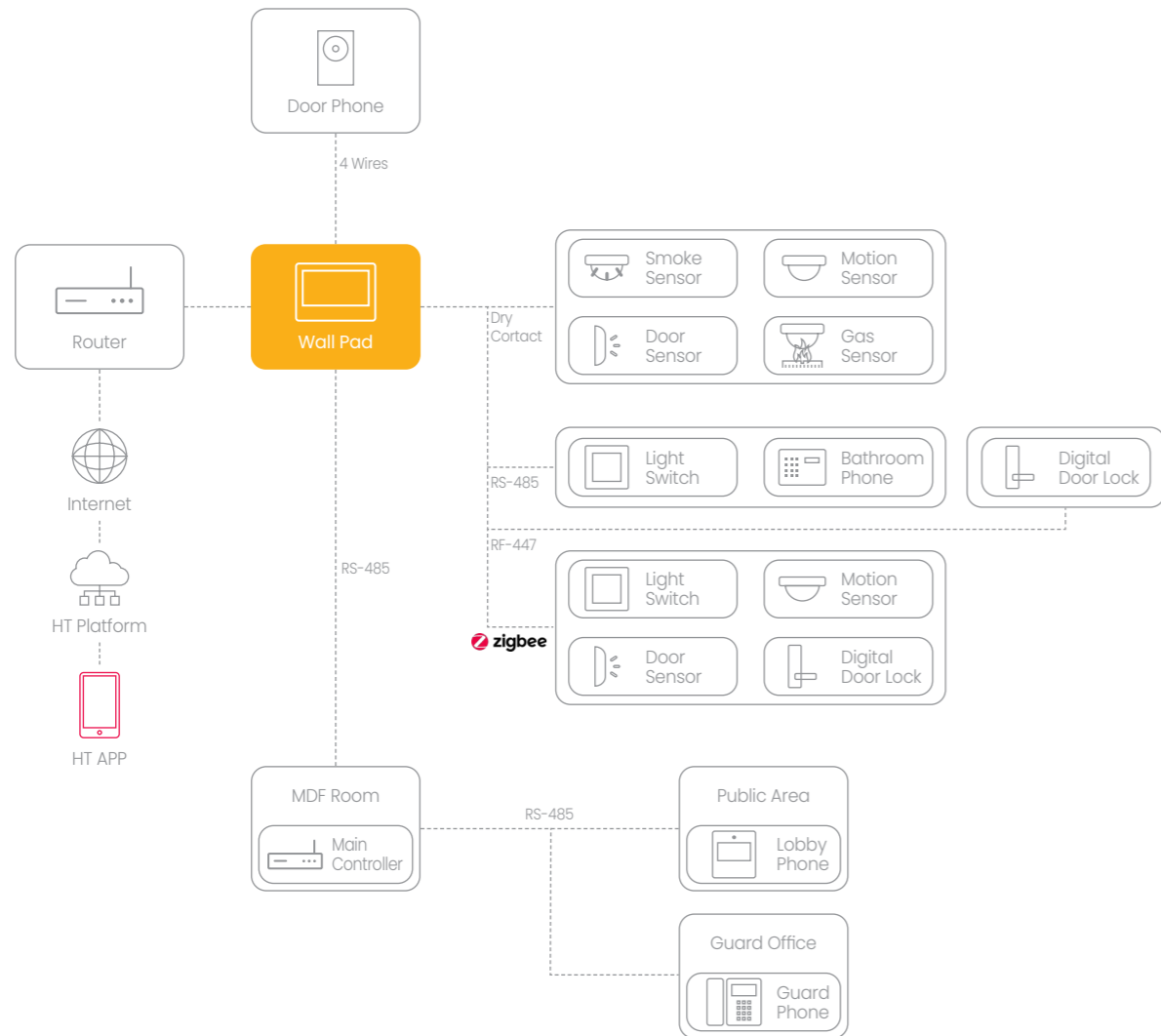
Single-Family Home



HOME AUTOMATION SYSTEM

# HNS-R1103 DIAGRAM

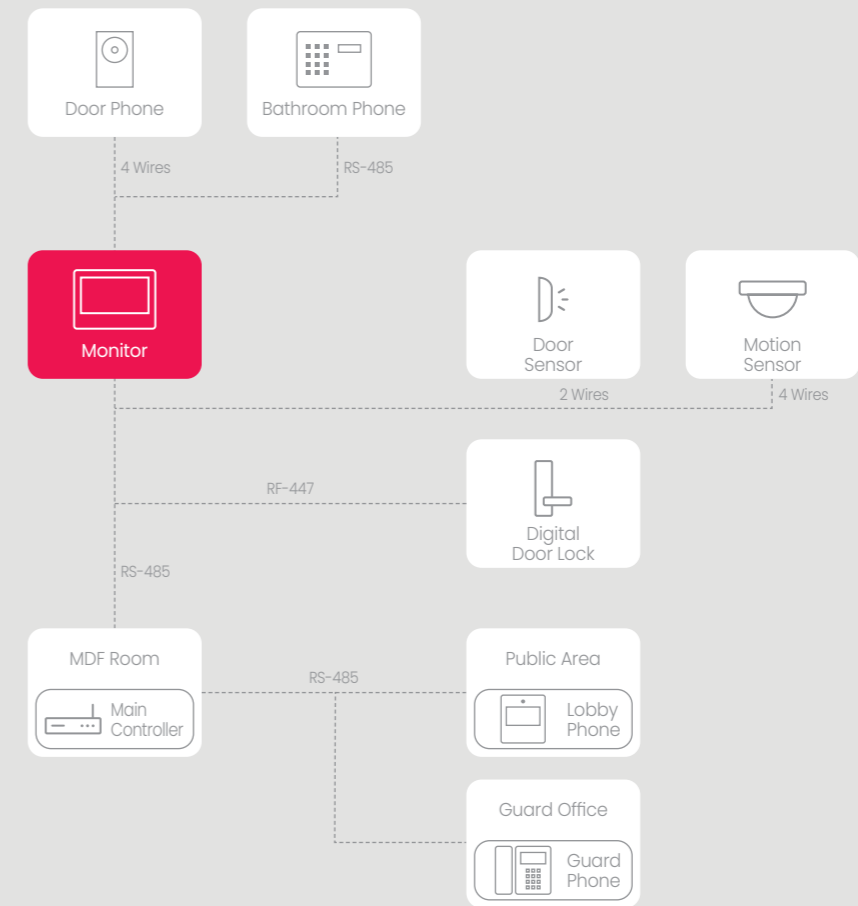
Apartment, Condominium, Single-Family Home



HOME AUTOMATION SYSTEM

# HAF-R1071 DIAGRAM

Apartment, Condominium, Single-Family Home

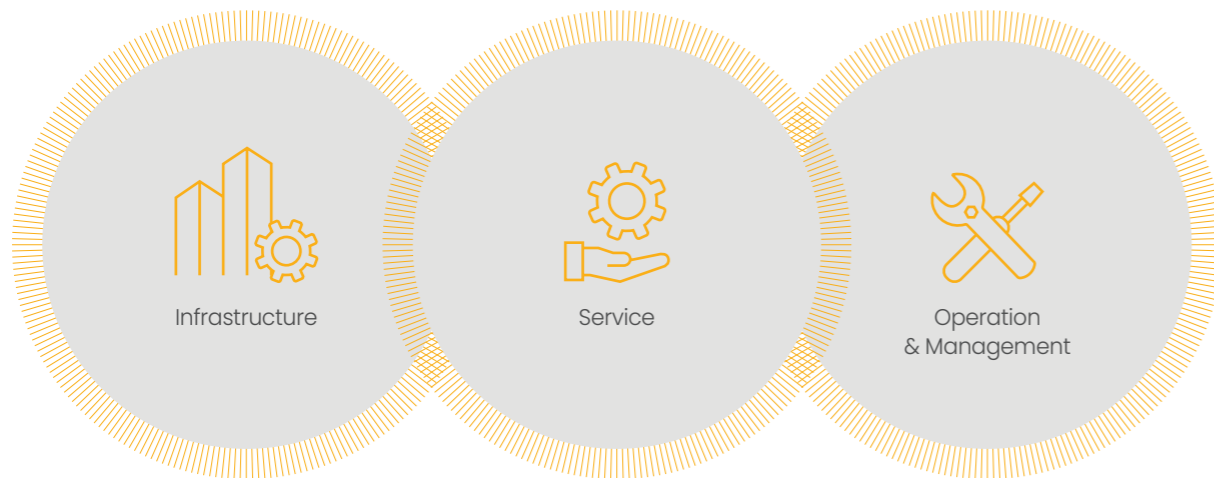


SMART COMMUNITY

# SMART COMMUNITY MANAGEMENT SOLUTION

HYUNDAI HT's community management solution provides comprehensive services such as living, community, communication services for a convenient life who live through a united membership system.

## Major Factors



- Hardware Installation & Integration
- Kiosk, POS, DID, ect

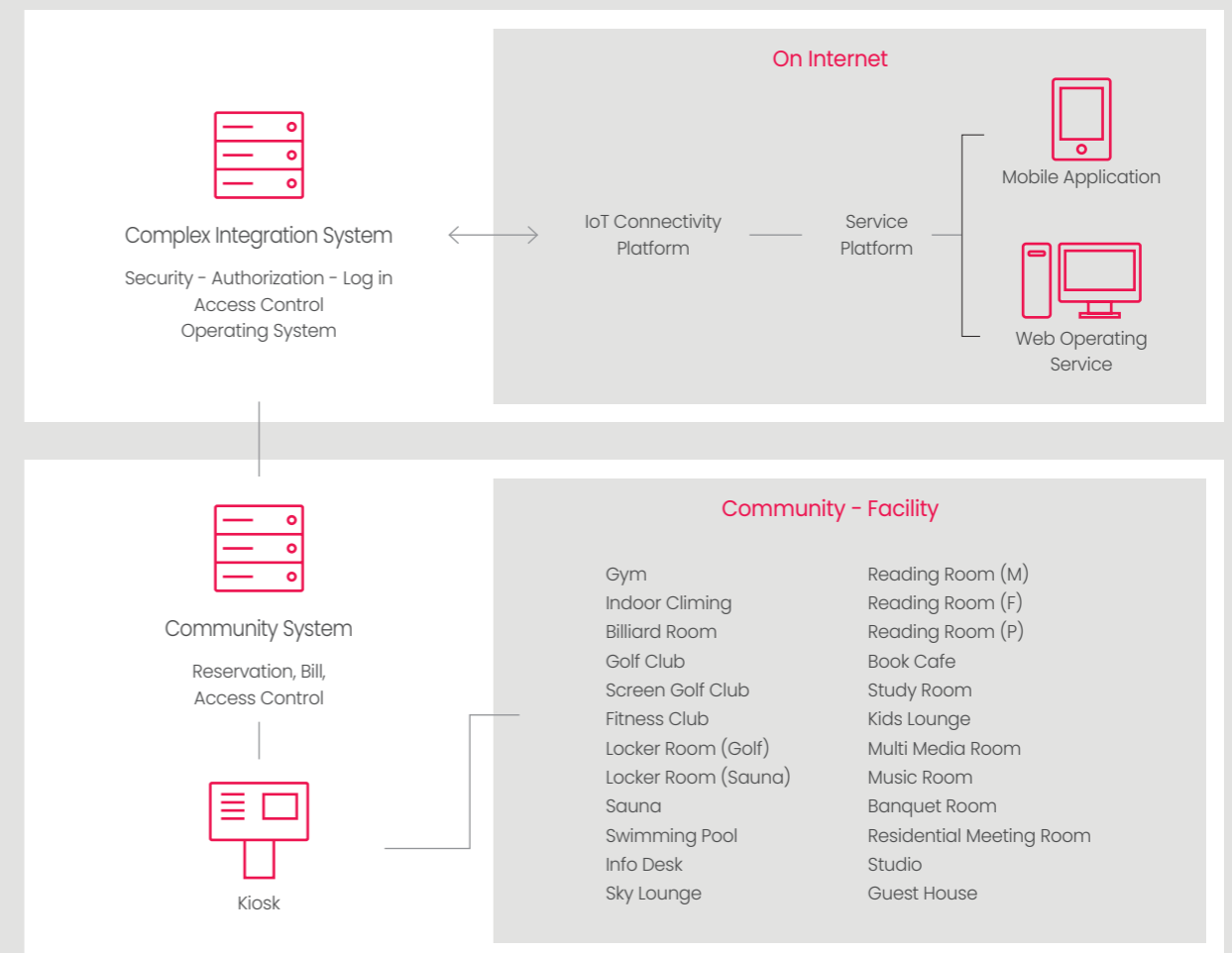
- Operating Solution
- Billing / Payment Solution
- User Interface (Smartphone, Web)

- Facilities & Lectures Management
- Management Office & Operation Team
- Tower PMC

SMART COMMUNITY

# SMART COMMUNITY MANAGEMENT SOLUTION

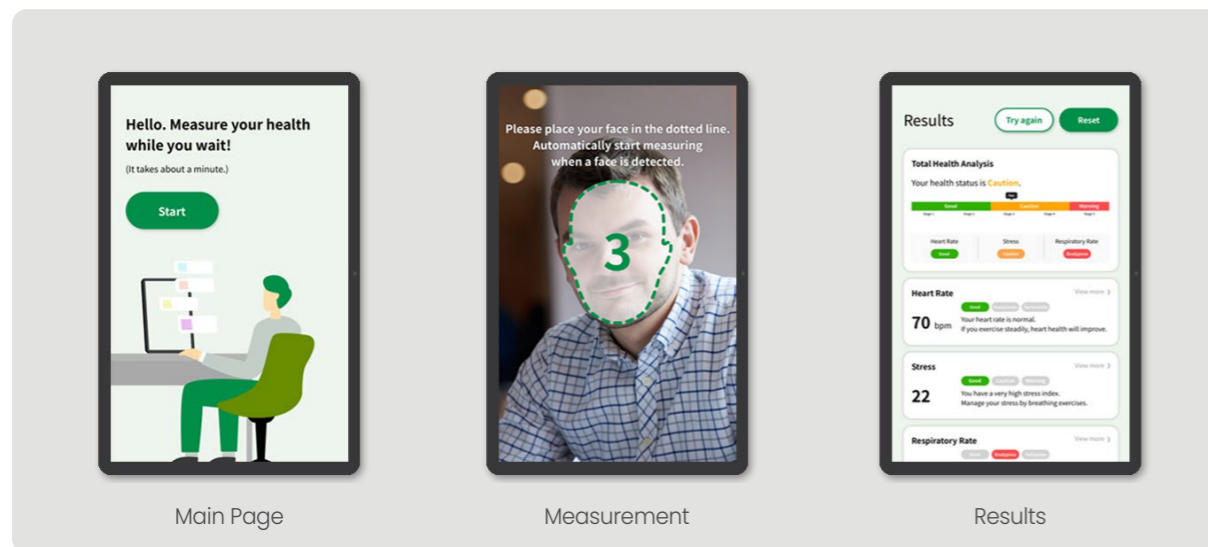
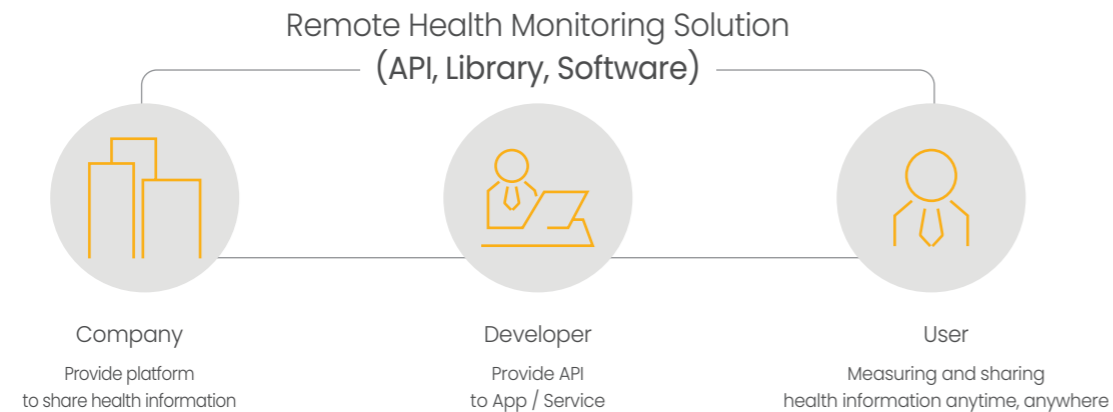
## Service Platform



## HEALTHCARE

# REMOTE HEALTH MONITORING SOLUTION

We provide a remote health monitoring solution in the form of an API or library that can measure health information (Blood pressure, Heart rate, Stress, Respiratory rate, etc.) Our solution can measure it not only on the finger image but also on the face, making it easy for companies that want to add healthcare to their applications.

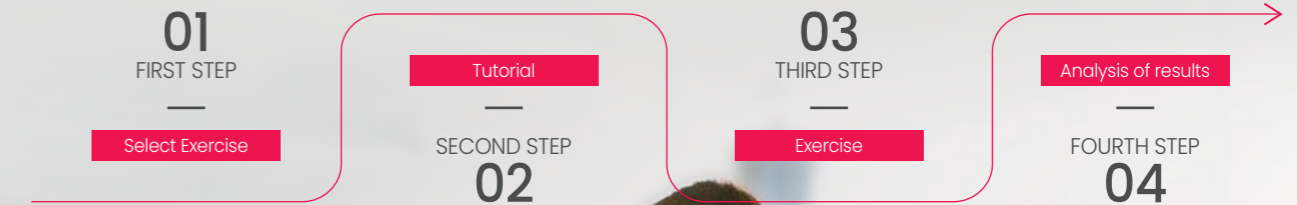


## HEALTHCARE

# SMART MIRROR FITNESS SOLUTION

The pulse measurement accuracy of our solution is more than 98 percent compared to optical sensors and ECG sensors. This accuracy is very close to that of a medical device. And the pulse pattern is analyzed through our technology, allowing us to monitor blood pressure, heart rate, stress, respiratory rate, etc.

## Process



## DRIVER CARE

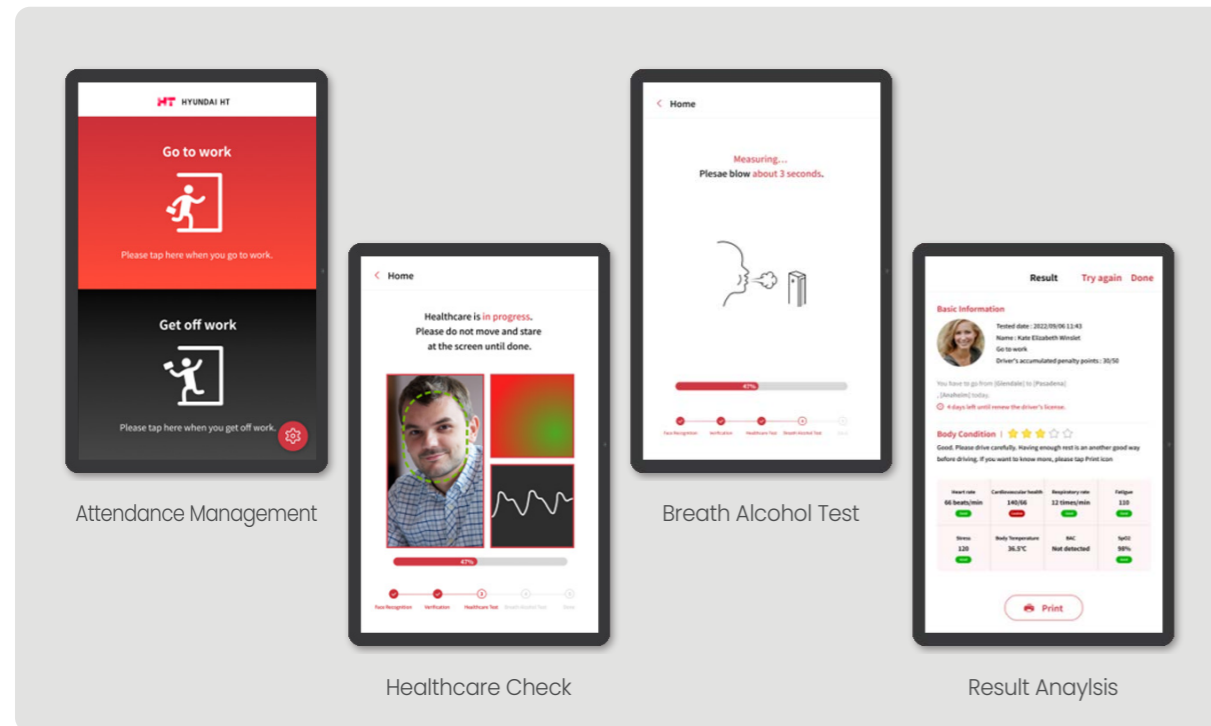
## DRIVER SAFETY SOLUTION

This solution is a safety management system to prevent accidents for drivers working with transportation companies. It measures health conditions through camera image analysis when drivers register for work and leave work through a tablet camera. Healthcare measurements are provided through analysis with bio-signals extracted from face images, and alcohol sensors can even check the driver's drinking.

## Core Technology

Our technology allows users to easily measure various health information (Blood pressure, Heart rate, Stress, Respiratory rate, etc.) using only the camera to manage their health.

## Tablet App



## DRIVER CARE

## DRIVER SAFETY SOLUTION

## Features



**Economic Advantage**

- Reduce accident rate through driver management
- Reduce premiums



**Commuting Management**

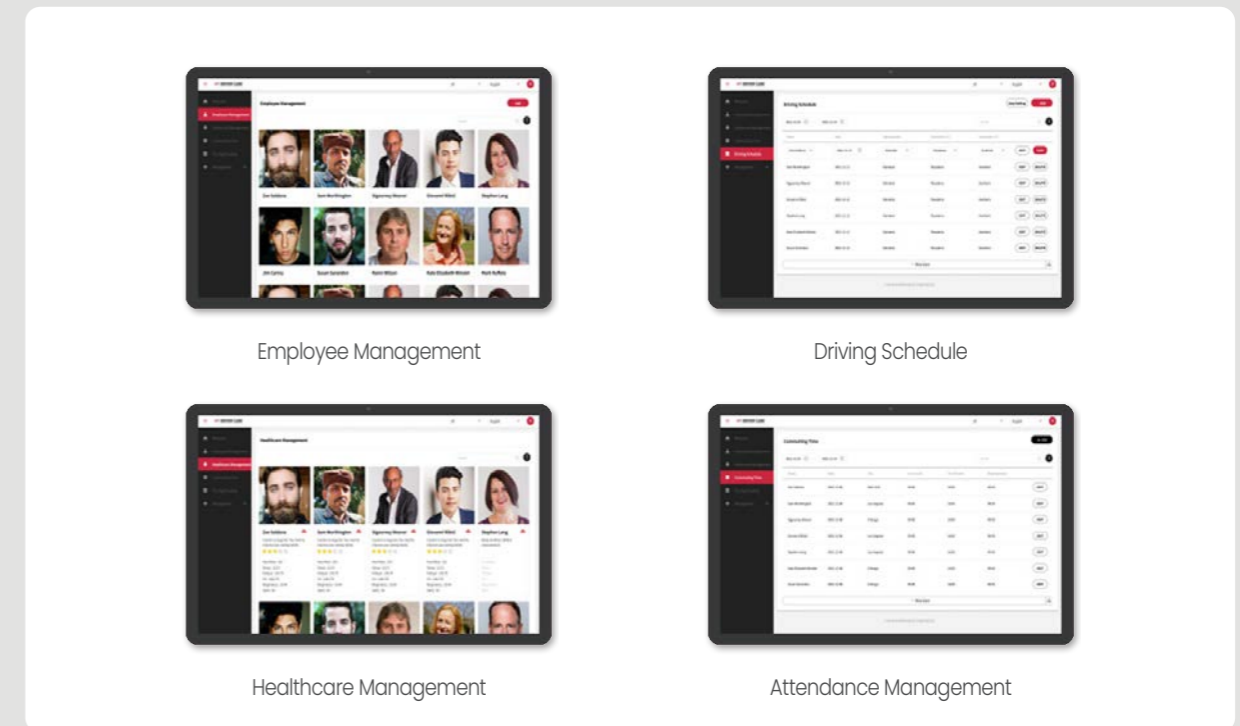
- Fast employee identification through facial recognition



**Customizable Solutions**

- Easily add and remove features as one needs

## Website



PART

3

PRODUCTS

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# 01.

## SMART HOME SYSTEM

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Wall Pad

# HNF-15102



- Call** Door Phone, Lobby Phone, Guard Phone
- Security** Security Mode (Away, Home)  
Monitoring a Visitor at the Front Door  
Recording Visitor's Image and Play Back
- Convenience** Answering Video Call on a Smart Phone (Door Phone Only)  
Door Opening (Front and Lobby Door), Control Connected Devices  
Supporting a Smartphone APP, Mirror Screen, Android OS

## Specification

Material	Glass, ABS	Installation	Flush Mounting Type
LCD	10.1" TFT-LCD Color	Communication	TCIP/IP
OS	Android	Operating Temp.	0 ~ 40°C
Operation	Full Touch Screen	Humidity	Below 90%
Power	AC100 ~ 240V, 50 / 60Hz	Size	265.8(W) X 180(H) X 13(D)mm

Wall Pad

# HNF-14102



- Call** Door Phone, Lobby Phone, Guard Phone
- Security** Security Mode (Away, Home)  
Monitoring a Visitor at the Front Door  
Recording Visitor's Image and Play Back
- Convenience** Answering Video Call on a Smart Phone (Door Phone Only)  
Door Opening (Front and Lobby Door), Control Connected Devices  
Supporting a Smartphone APP, Mirror Screen, Android OS

## Specification

Material	Glass, ABS	Installation	Flush Mounting Type
LCD	10.1" TFT-LCD Color	Communication	TCIP/IP
OS	Android	Operating Temp.	0 ~ 40°C
Operation	Full Touch Screen	Humidity	Below 90%
Power	AC100 ~ 240V, 50 / 60Hz	Size	265.8(W) X 178.6(H) X 13(D)mm





Door Phone

# HDF-R2000S



**Call** Call to Wall Pad

**Function** Adjustable Camera Angle  
High-Intensity LED  
Built-in PIR Sensor (Optional)  
(Auto recording when a visitor comes)

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 5W
Size	93(W) X 150(H) X 13(D)mm

Door Phone

# HCC-2000



**Call** Call to Wall Pad

**Function** Adjustable Camera Angle  
High-Intensity LED

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 5W
Size	93.1(W) X 145.1(H) X 12.6(D)mm

Door Phone

# HCC-1000E



**Call** Call to Wall Pad

**Function** Adjustable Camera Angle  
High-Intensity LED

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 2W
Size	91(W) X 133(H) X 10(D)mm

Door Phone

# HDS-R100



**Call** Call to Wall Pad

**Function** Adjustable Camera Angle  
High-Intensity LED

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Surface Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 2W
Size	103(W) X 152(H) X 35(D)mm



Bathroom Phone

# HBP-300



- Call** Answering a Call (Door Phone, Lobby Phone, Guard Phone) / Emergency Call (Alarm Sounds, Notify to Guard Phone)
- Door Opening** Front and Lobby Door
- Function** Adjusting Volume

## Specification

Material	ABS
Call	Half Duplex, Hands-Free
Power	DC12V (MAX 250mA)
Installation	Flush Mounting Type
Speaker Output	32ohm 0.5W
Operating temp.	-10 ~ 40°C
Humidity	Below 90%
Size	165(W) X 105(H) X 38(D)mm

Network Switch

# STANDBY POWER OFF SWITCH



- Control** Turn ON/OFF lights (1 ~ 3 Channel)  
Standby Power Off: 2 channel  
Connect to HT Wall Pad

## Specification

Material	ABS
Power	AC 220V / 60Hz
Communication	RS-485
Installation	Flush Mounting Type
Max. Load	2A per a channel
Channel	1 ~ 3
Operation	Touch
Size	120(W) X 120(H) X 8(D)mm

Network Switch

# LIGHT SWITCH



- Control** Turn ON/OFF lights (1 ~ 3 Channel)  
Turn ALL ON/OFF lights  
Connect to HT Wall Pad

## Specification

Material	ABS
Power	AC 220V / 60Hz
Communication	RS-485
Installation	Flush Mounting Type
Max. Load	2.6A per a channel
Channel	1 ~ 3
Operation	Touch
Size	Plate : 74(W) X 120(H) X 8(D)mm Main : 45(W) X 71(H) X 38(D)mm

Network Switch

# LIGHT SWITCH



- Control** Turn ON/OFF lights (3-6 Channel)  
Turn All ON/OFF lights  
Connect to HT Wall Pad
- Function** Pattern

## Specification

Material	ABS
Power	AC 220V / 60Hz
Communication	RS-485
Installation	Flush Mounting Type
Max. Load	2.6A per a channel
Channel	3 ~ 6
Operation	Touch
Size	Plate : 120(W) X 120(H) X 8(D)mm Main : 86(W) X 71(H) X 38(D)mm



Smart Host  
**HCS-W1002**



Connectivity Various Zigbee Devices  
Home Appliances (IR Remote is Necessary)  
Smart Speaker (Google Home)  
IP Home Camera (Wi-Fi)  
Smart Wall Pad (HYUNDAI HT Brand Only)

**Specification**

Power	DC Adaptor (DC 5V / 1A)	Installation	Ceiling or On The Table
Protocol	Wi-Fi 2.4GHz WLAN (802.11b/g/n), Zigbee, IR	Weight	150g
Power Consumption	Max 2.5W	Operating Temp.	0 ~ 40°C
		Humidity	Below 80%
		Size	109.15(Ø) X 33.86(T)mm

\* Wireless range can vary depending on the installation circumstances.



Wireless Device  
**IoT SMART MOTION SENSOR**



Function Detecting moving object by Passive IR sensor

**Specification**

Material	PC, ABS
Wireless Range	30m
Communication	ZigBee 2.4GHz
Detection Range	7m
Installation	Screws or sticker
Battery	CR2450 X 1EA
Use Time	Approx. 1 year
Size	33W(Ø) X 39(D)mm

\* Wireless range can vary depending on the installation circumstances



Wireless Device  
**IoT SMART DOOR SENSOR**



Function Detecting door or window open and close

**Specification**

Material	PC, ABS
Wireless Range	30m
Communication	ZigBee 2.4GHz
Installation	Sticker
Battery	CR2032 X 1EA
Use Time	Approx. 2 years (7 times / Day)
Size	25(W) X 40(H) X 13(D)mm



Wireless Device

## IoT LIGHT SWITCH

Function Turn ON/OFF lights (1-3 Channel)  
Turn All ON/OFF lights

### Specification

Material	PC, ABS
Wireless Range	30m
Communication	ZigBee 2.4GHz
Operating	Touch Sensitive
Installation	Flush Mounting Type
Max Load Capacity	2,000W
Power	110 ~ 230V, 50 / 60Hz
Size	86(W) X 86(H) X 34.2(D)mm

\* Wireless range can vary depending on the installation circumstances.

Wireless Device

## IoT LIGHT SWITCH

Function Turn ON/OFF lights (1-3 Channel)  
Turn All ON/OFF lights

### Specification

Material	PC, ABS
Wireless Range	30m
Communication	ZigBee 2.4GHz
Operating	Tact
Installation	Flush Mounting Type
Max Load Capacity	600W per each channel
Power	110-230V, 50 / 60Hz
Size	79.4(W) X 117.5(H) X 48.2(D)mm

Wireless Device

## IoT ENVIRONMENT SENSOR

Function Measuring Temperature & Humidity

### Specification

Material	PC, ABS
Wireless Range	30m
Communication	ZigBee 2.4GHz
Temperature Range	-20 ~ 60°C ±0.3°C
Humidity Range	0-100% ±3%
Installation	Sticker
Battery	CR2032
Size	37(W) X 37(H) X 12(D)mm

Wireless Device

## IoT SMART MOTORIZED CURTAIN

Function Touch control  
Hand operable when power off  
Softly Start and Stop  
Remote Control  
Monorail, Dualrail type

### Specification

Material	Aluminum Alloy
Wireless Range	30m
Communication	ZigBee 2.4GHz
Power	100 ~ 240V
Installation	Ceiling Mounting Type
Max Rail Length	Less Than 12m
Max Load Weight	50Kg
Size	40(W) X 40(H) X 322(D)mm



Face Recognition Lobby Phone

# HLF-13103



- Call** Wall Pad, Guard Phone
- Accessibility** Password, RF Card, Face
- Function** Built-in RF Card Reader  
Wake up when a visitor comes  
Android OS  
\* Face recognition

### Specification

Material	ABS, Acryl	Installation	Flush Mounting Type
LCD	10.1" Wide TFT-LCD Color	Communication	TCP/IP
Camera Resolution	2M	Operating Temp.	-20 ~ 50°C
Operation	14 Key Touch Button	Humidity	20~70% (Relative Humidity)
Power	AC100 ~ 240V, 50 / 60Hz	Size	277(W) X 360(H) X 12(D)mm



Lobby Phone

# HLPC-9006RC



- Call** Wall Pad, Guard Phone
- Accessibility** Password, RF Card, Bluetooth
- Function** Built In RF Card Reader  
Wake up automatically when a visitor comes  
Android OS

### Specification

Material	ABS, Acryl	Installation	Flush Mounting Type
LCD	10" TFT-LCD Color	Operating Temp.	-20 ~ 50°C
View Angle	150°	Humidity	20 ~ 70% (Relative Humidity)
Operation	13 Key Touch Button	Power Consumption	Idle : Below 5W, Max. 30W
Power	AC100 ~ 240V, 50 / 60Hz	OS	Android
Communication	TCP / IP	Size	270(W) X 345(H) X 17(D)mm



Guard Phone  
**HMS-N1070**



Call	Wall Pad, Lobby Phone, Another Guard Phone
Door Opening	Lobby Door
Function	Receiving an Emergency Alarm From a Wall Pad

**Specification**

Material	ABS	Installation	Desktop, Surface Mounting Type
LCD	7" TFT-LCD Color	Operating Temp.	0 ~ 40°C
Call	Speaker Phone / Handset	Humidity	Below 50%
Operation	Touch Screen	Power Consumption	Below 15W
Power	DC12V, AC220V ±10%, 50 / 60Hz	View Angle	Up: 50°, Down / Left / Right: 70°
Communication	TCP / IP, RS-485	Size	Desktop : 256(W) X 225(H) X 114(D)mm Surface : 256(W) X 225(H) X 71(D)mm



Smart Home Server  
**MANAGEMENT SERVER  
DELL R540** (More than 1,000 households)

Smart Home Server  
**MANAGEMENT SERVER  
DELL R240** (Less than 1,000 households)

Function      Operation of Smart Home System and Smartphone Application / Modification of Installed Server Data Base / Live Status Check of Connected Devices / Control of Connected Devices / Diagnosis and Debugging of Installed Programs  
\* The server will be provided an equal or higher specification than above.

**Specification**

- Processor: Up to 2<sup>nd</sup> Generation Intel Xeon Scalable processors, up to 20 cores per processor.
- Memory: 16 DDR4 DIMM slots, Supports RDIMM / LRDIMM, speed up to 2666MT/s, 1TB max.
- Storage: Front drive bays: Up to 12 x 3.5" SAS/SATA HDD max 192TB  
Rear drive bays: Up to 2 x 3.5 SAS/SATA HDD max 32TB Optional DVD-ROM, DVD+RW
- Power supplies: Platinum 495W, 750W, 750W 240V HVDC3 , 1100W, 1100W 380V HVDC3 Hot plug power supplies with full redundancy option
- Size: Form Factor: Rack (2U)

**Specification**

- Processor: 1 processor from the following: Intel Xeon E-220 product family, Intel Pentium, Intel Core i3, Intel Celeron.
- Memory: 4 DDR4 DIMM slots, Supports RDIMM, speed up to 2666MT/s, 64GB max.
- Drive Bays: Up to 4 x 3.5 cabled SATA, SAS (optional) or SSD\* Up to 4 x 3.5 or 2.5 hot-plug SATA, SAS (optional) or SSD\* \*available in the hot-plug configuration
- Power supplies: Single 250W (Bronze) or 450W (Platinum) power supply4
- Size: Form Factor: Rack (1U)

# 02.

## HOME AUTOMATION SYSTEM

HNS-R1103	46
HAF-R1071	47
HAS-R1041	48
HDF-R2000 / HCC-2000	49
HCC-1000E / HDS-R100	50
HBP-300 / HEF-9000	51
HMS-N1070	52
HLF-R1041R / HLF-R1042R	53



Wall Pad

# HNS-R1103



- Call** Door Phone, Lobby Phone, Guard Phone
- Security** Security Mode (Away, Home)  
Monitoring a Visitor at the Front Door  
Emergency Alarm
- Convenience** Door Open (Front and Lobby Door)  
Adjusting Call Volume  
Control connected device (Optional)  
SIP Call (Optional)

## Specification

Material	Glass, ABS	Installation	Surface Mounting Type
LCD	10.1" TFT-LCD Color	View Angle	Up, Down : 60° / Left, Right : 70°
Communication	Wi-Fi and Zigbee (Optional), RS-485	Operating Temp.	0 ~ 40°C
Operation	Full Touch Screen	Humidity	Below 90%
Power	AC100 ~ 240V, 50 / 60Hz	Size	264(W) X 190.5(H) X 23(D)mm

Monitor

# HAF-R1071



- Call** Door Phone, Lobby Phone, Guard Phone
- Security** Security Mode (Away)  
Monitoring a Visitor at the Front Door  
Emergency Alarm
- Convenience** Door Open (Front and Lobby Door)  
Adjusting Call Volume

## Specification

Material	ABS, Acryl	Installation	Surface Mounting Type
LCD	7" TFT-LCD Color	View Angle	Up : 10° / Down : 30° / Left, Right : 45°
Communication	RS-485	Operating Temp.	0 ~ 40°C
Call	Speakerphone	Humidity	Below 90%
Power	AC100 ~ 240V, 50 / 60Hz	Size	210(W) X 143(H) X 16(D)mm





Monitor

# HAS-R1041



- Call** Door Phone, Lobby Phone, Guard Phone
- Security** Security Mode (Away)  
Monitoring a Visitor at the Front Door
- Convenience** Door Open (Front and Lobby Door)  
Adjusting Call Volume

## Specification

Material	ABS, Acryl	Installation	Surface Mounting Type
LCD	4.3" TFT-LCD Color	View Angle	Up : 45°, Down : 25°/ Left, Right : 45°
Communication	RS-485	Operating Temp.	0 ~ 40°C
Call	Speakerphone	Humidity	Below 90%
Power	AC100 ~ 240V, 50 / 60Hz	Size	150(W) X 230(H) X 30(D)mm



Door Phone

# HDF-R2000



- Call** Call to Wall Pad
- Function** Adjustable Camera Angle  
High-Intensity LED  
Built-in PIR Sensor (Optional)  
(Auto recording when a visitor comes)

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 5W
Size	93(W) X 150(H) X 13(D)mm



Door Phone

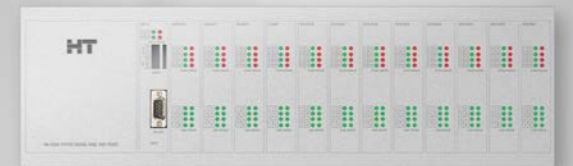
# HCC-2000



- Call** Call to Wall Pad
- Function** Adjustable Camera Angle  
High-Intensity LED

## Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 5W
Size	93.1(W) X 145.1(H) X 12.6(D)mm



Door Phone  
**HCC-1000E**



Call Call to Wall Pad  
Function Adjustable Camera Angle  
High-Intensity LED

Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Flush Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 2W
Size	91(W) X 133(H) X 10(D)mm

Door Phone  
**HDS-R100**



Call Call to Wall Pad  
Function Adjustable Camera Angle  
High-Intensity LED

Specification

Material	ABS, Acryl
Video out	1Vp-p / 75Ω, Composite Video
LED	High Bright LED x 3EA
Power	DC12V (Supplied by Main Unit)
Installation	Surface Mounting Type
View Angle	92°
Operating Temp.	-10 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 2W
Size	103(W) X 152(H) X 35(D)mm

Bathroom Phone  
**HBP-300**



Call Answering a Call (Door Phone, Lobby Phone, Guard Phone) / Emergency Call (Alarm Sounds, Notify to Guard Phone)  
Door Opening Front and Lobby Door  
Function Adjusting Volume

Specification

Material	ABS
Call	Half Duplex, Hands-Free
Power	DC12V (MAX 250mA)
Installation	Flush Mounting Type
Speaker Output	32ohm 0.5W
Operating temp.	-10 ~ 40°C
Humidity	Below 90%
Size	165(W) X 105(H) X 38(D)mm

Main Controller  
**HEF-9000**



Function Managing Various DB and Phone Line Paths Supporting RS-232  
Able to communicate among Wall Pad, Lobby Phone and Guard Phone

Specification

Installation	19" Standard Rack
Power	AC 100-240V / 50 ~ 60Hz
Operating temp.	0 ~ 40°C
Humidity	Below 90%
Power Consumption	Max. 30W
Size	282.2(W) X 132.5(H) X 204.3(D)mm



Guard Phone

# HMS-N1070



- Call: Wall Pad, Lobby Phone, Another Guard Phone
- Door Opening: Lobby Door
- Function: Receiving an Emergency Alarm From a Wall Pad

## Specification

Material	ABS	Installation	Desktop, Surface Mounting Type
LCD	7" TFT-LCD Color	Operating Temp.	0 ~ 40°C
Call	Speaker Phone / Handset	Humidity	Below 50%
Operation	Touch Screen	Power Consumption	Below 15W
Power	DC12V, AC220V ±10%, 50 / 60Hz	View Angle	Up: 50°, Down / Left / Right: 70°
Communication	TCP / IP, RS-485	Size	Desktop : 256(W) X 225(H) X 114(D)mm Surface : 256(W) X 225(H) X 71(D)mm

Lobby Phone

# HLF-R1041R / HLF-R1042R



- Call: Wall Pad, Guard Phone
- Access: Password, RF Card
- Function: Built In RF Card Reader  
Wake up automatically when a visitor comes  
Built-in Main Controller (HLF-R1041R)

## Specification

Material	ABS, PC, Aluminum, Acryl	Installaiton	Flush Mounting Type
LCD	4.3" TFT-LCD Color	Operating Temp.	-20 ~ 50°C
View Angle	97°	Humidity	20 ~ 70% (Relative Humidity)
Operation	14 Key Touch Button	Power Consumption	Idle : Below 5W, Max 20W
Power	DC12V, AC220V ±10%, 50 / 60Hz	Video Input	1Vp-p / 75Ω, Composite Video
Communication	RS485	Size	231.6(W) X 271.6(H) X 18(D)mm

# 03.

## VIDEO DOOR PHONE

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HAS-R3071 / HAS-R3071D

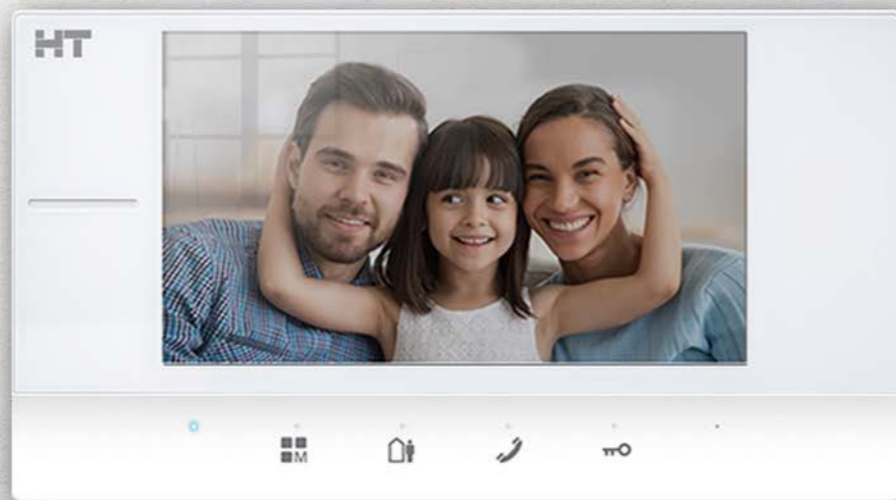
56

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HDS-R1000 / HDS-R2000

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Monitor  
**HAS-R3071/HAS-R3071D**



**Function** Answering a Call From a Door Phone Camera  
Connectivity : Max VDP 4EA, D/P 2EA  
HD Video Call  
\* Video Recording (HAS-R3071D)

**Specification**

LCD	7" TFT-LCD Color	Installation	Surface Mounting Type
Scan Mode	NTSC, PAL	View Angle	Top : 45° Down : 25°, Left / Right : 45°
Wiring	4 Wire (Polarity)	Operating temp.	0 ~ 40°C
Call	Speakerphone	Power Consumption	Max. 14W
Power	AC 100 ~ 240V / 50, 60Hz	Micro SD Card	Included 16GB Micro SD Card *HAS-R3071D
Video Recording	10 ±5Sec *HAS-R3071D	Size	239(W) X 132(H) X 25(D)mm



Door Phone  
**HDS-R1000**



**Call** Call to Video Door Phone  
**Function** Adjustable Camera Angle  
High-Intensity LED

**Specification**

Image Sensor	HD / VGA
Scan Mode	NTSC / PAL
Wiring Method	4Wire (Polarity)
Relay	AC12 Relay (Compatible DC Contact)
Minimum illumination	0.1Lux
Light	Internal LED
Camera Angle	Horizontal 72° / Vertical 52°
Angle Adjust	Up 5, 10° / Down 5, 10°
Distance Range	30m (UTP)
Input Power	DC12V From a Main Unit
Body Material	Metal
Installation	Surface Mounting Type
Size	96(W) X 156(H) X 34(D)mm



Door Phone  
**HDS-R2000**



**Call** Call to Video Door Phone  
**Function** Fixed Camera Angle  
High-Intensity LED

**Specification**

Image Sensor	HD / VGA
Scan Mode	NTSC / PAL
Wiring Method	4Wire (Polarity)
Relay	AC12 Relay (Compatible DC Contact)
Minimum illumination	0.1Lux
Light	Internal LED
Camera Angle	Diagonal 60°
Angle Adjust	Fixed
Distance Range	30m (UTP)
Input Power	DC12V From a Main Unit
Body Material	Metal
Installation	Surface Mounting Type
Size	88(W) X 120(H) X 20(D)mm

# 04.

## DIGITAL DOOR LOCK

HDL-930VSK / HDL-930FSK	60
HDL-7390SK / 7300SK	61
HDL-5900SK / 5990SK	62
HDL-1190S / 1100S	63
HDL-4700SK	64



Auto Door Lock

# HDL-930VSK



Unlock Way	Password, RF Card, Manual Key, <b>Face recognition</b> OTP, Period Password (Optional) <b>* Required to connect to the Smart Host.</b>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm, Low Battery Alarm
Function	Anti Shock (30KV), Panic, Emergency Charge (USB C type) Randomized Number

## Specification

Material	GI(Iron), Non-flammable ABS
Communication	ZigBee, RF 447MHz
Face Recognition	50EA
RF Card Frequency	13.56MHz
Type	Auto Lock
Battery	Max 8pcs of AA size
RF Card	Max. 50EA

Auto Door Lock

# HDL-930FSK

Unlock Way	Password, RF Card, Manual Key, Fingerprint OTP, Period Password (Optional) <b>* Required to connect to the Smart Host.</b>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm, Low Battery Alarm
Function	Anti Shock (30KV), Panic, Emergency Charge (USB C type) Randomized Number

## Specification

Material	GI(Iron), Non-flammable ABS
Communication	ZigBee, RF 447MHz
Fingerprint	Max. 100EA
RF Card Frequency	13.56MHz
Type	Auto Lock
Battery	Max 8pcs of AA size
RF Card	Max. 50EA

Push Pull Door Lock

# HDL-7390SK

Unlock Way	Password, RF Card, Manual Key Fingerprint OTP, Period Password (Optional) <b>* Required to Connect to Smart Host.</b>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	Aluminum, Non-flammable ABS
Communication	ZigBee, RF 447Mhz
Fingerprint	Max. 100EA
RF Card Frequency	13.56MHz
Type	Push Pull
Battery	Max 8pcs of AA size
RF Card	Max. 50EA

Push Pull Door Lock

# HDL-7300SK

Unlock Way	Password, RF Card, Manual Key OTP, Period Password (Optional) <b>* Required to Connect to Smart Host.</b>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	Aluminum, Non-flammable ABS
Communication	ZigBee, RF 447Mhz
Fingerprint	None
RF Card Frequency	13.56MHz
Type	Push Pull
Battery	Max 8pcs of AA size
RF Card	Max. 50EA



Handle Door Lock

# HDL-5990SK

Unlock Way	Password, RF Card, Manual Key Fingerprint OTP, Period Password (Optional) <i>* Required to Connect to Smart Host.</i>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	Aluminum PC, Non-flammable ABS
Protocol	ZigBee, RF 447Mhz
Fingerprint	Max. 100EA
RF Card Frequency	13.56MHz
Type	Handle
Battery	Max 8pcs of AA size
RF Card	Max. 50EA

Handle Door Lock

# HDL-5900SK

Unlock Way	Password, RF Card, Manual Key OTP, Period Password (Optional) <i>* Required to Connect to Smart Host.</i>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	Aluminum PC, Non-flammable ABS
Protocol	ZigBee, RF 447Mhz
Fingerprint	None
RF Card Frequency	13.56MHz
Type	Handle
Battery	Max 8pcs of AA size
RF Card	Max. 50EA

Rim Door Lock

# HDL-1190S

Unlock Way	Password, RF Card, Fingerprint
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	GI(Iron), Non-flammable ABS
Protocol	ZigBee, RF 447Mhz
Fingerprint	Max. 100EA
RF Card Frequency	13.56MHz
Type	RIM
Battery	Max 4pcs of AA size
RF Card	Max. 50EA

Rim Door Lock

# HDL-1100S

Unlock Way	Password, RF Card
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

## Specification

Material	GI(Iron), Non-flammable ABS
Protocol	ZigBee, RF 447Mhz
Fingerprint	None
RF Card Frequency	13.56MHz
Type	RIM
Battery	Max 4pcs of AA size
RF Card	Max. 50EA





## Mini Handle Door Lock

**HDL-4700SK**

Unlock Way	Password, RF Card, Manual Key OTP, Period Password (Optional) <b>* Required to Connect to Smart Host.</b>
Lock	Dual Lock, Auto Lock, Manual Lock
Alarm	Fire Alarm, Intrusion Alarm Low Battery Alarm
Function	Anti Shock (30KV), Panic Emergency Charge (9V) Randomized Number

**Specification**

Material	Aluminum PC, Non-flammable ABS
Protocol	ZigBee, RF 447Mhz
Fingerprint	None
RF Card Frequency	13.56MHz
Type	Handle
Battery	Max 4pcs of AA size
RF Card	Max. 50EA

BRIDGING  
THE LIFE  
ELEMENTS



Hello Tomorrow  
Home Think



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