



CE
CE marked goods
conform to EU standards.

KCI
Korea Certification (KCI)
for elevator safety

ISO 9001
ISO 9001 certification
(first in the industry
in Korea)


ISO 14001
ISO 14001 certification
(first in the industry
in Korea)

ISO 45001
ISO 45001
certification

HYUNDAI ELEVATOR CO., LTD.

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Website



YouTube



H-SOLUTION

Conventional Group System · Destination Selecting System



WHY H-SOLUTION?

Are you still using elevators that only have up and down buttons in the hallway? Hyundai Elevator's H-Solution offers the most advanced group control technology to take passengers to their destination floors in the shortest time while optimizing operation and energy efficiency.

EFFICIENT

Travel time is minimized and energy efficiency is maximized through the optimal dispatch of elevators using traffic analysis.

CLEAN

Contact-free interfaces prevent the spread of harmful viruses.

SECURE

Tenants' security is ensured through interconnections with the building's security system.

INTERACTIVE

Customized solutions are provided from UI to contents provision tailored to customer tastes.

☀️ 08:50 AM

☀️ 12:10 PM

🌙 05:45 PM



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WHAT IS H-SOLUTION?

Hyundai Elevator's H-SOLUTION is an elevator group operation system that can be configured according to the purpose and characteristics of a building to facilitate the movement of passengers and increase operational efficiency.

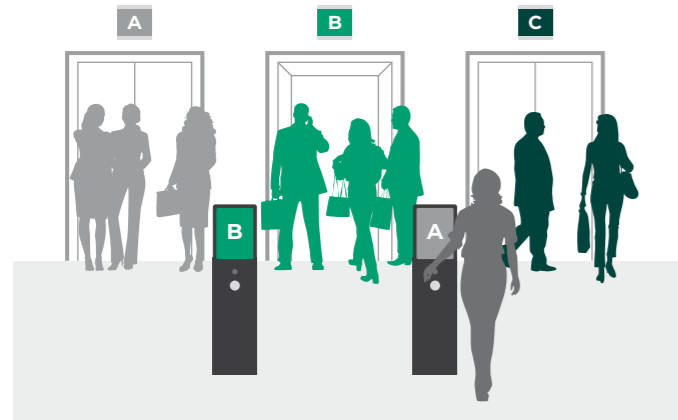
CONVENTIONAL GROUP SYSTEM

Dispatches the elevator that can reach a floor most quickly when a call button is pressed.



DESTINATION SELECTING SYSTEM (DSS)

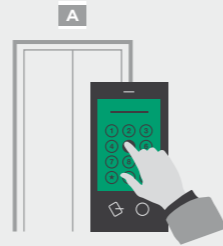
Calculates the waiting time, travel time, and the number of passengers when a destination floor is registered and optimizes the dispatch of elevators.



HOW DSS WORKS

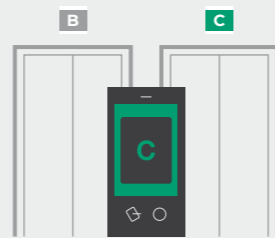
Step 1

Enter the destination floor into the input device



Step 2

An elevator is assigned and indicated



Step 3

Board the assigned elevator



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EFFICIENT

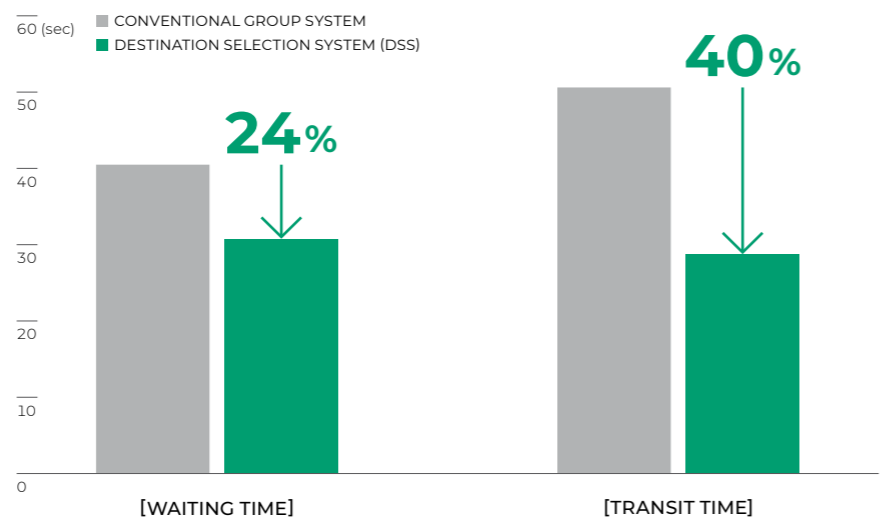
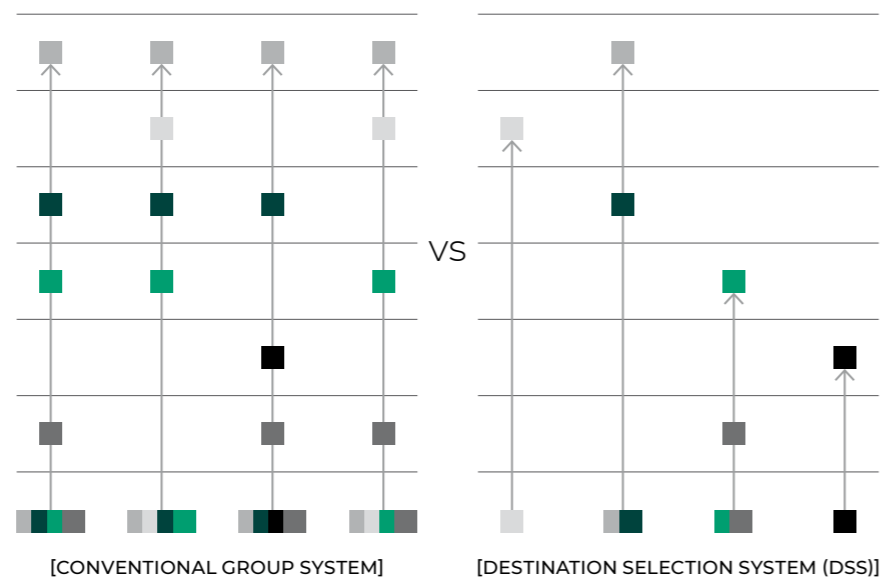
CONVENTIONAL GROUP SYSTEM · DESTINATION SELECTION SYSTEM (DSS)

Elevators are managed to minimize travel time to destination floors.
Big data and artificial intelligence determine peak-hour and door operation patterns and optimize elevator operation efficiency.

MORE EFFICIENT OPERATION

Performance comparison between Conventional Group System and Destination Selection System (DSS)

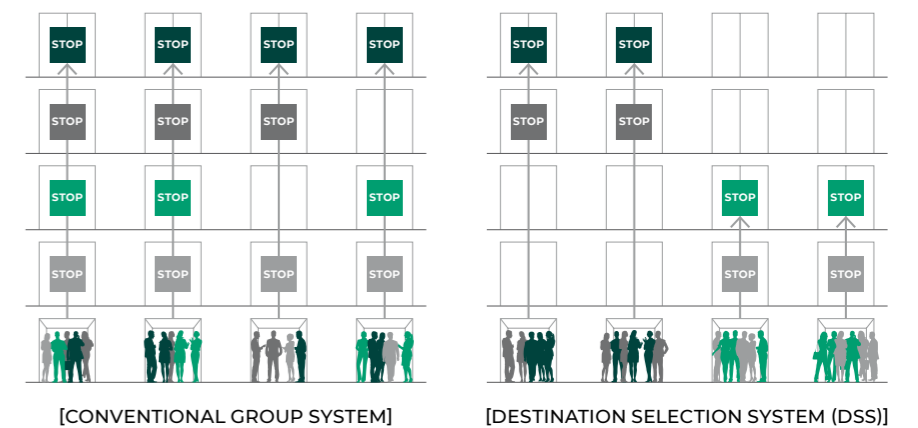
DSS sorts passengers according to destination floors to reduce the number of stops, waiting time, and boarding time.



SMARTER CONTROL

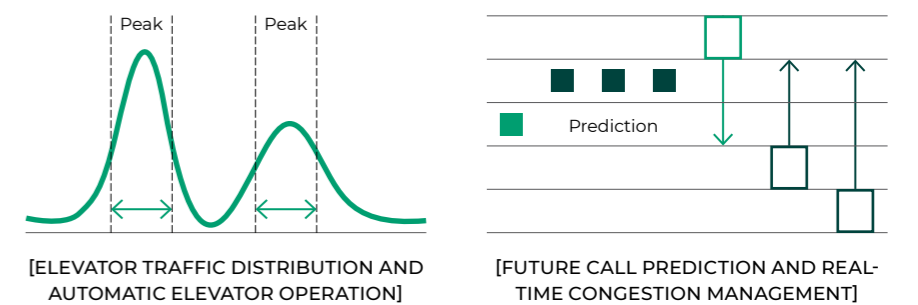
Dynamic Zoning

DSS creates service zones automatically without pre-configurations to disperse passengers effectively. It shortens elevator travel distances and increases high-speed travel segments to reduce elevator round-trip durations during peak hours.



Learns and predicts elevator usage patterns using artificial intelligence technology

Daily traffic volume is predicted and group management is optimized with artificial intelligence to operate and control multiple elevators efficiently.



Elevator door time learning

Elevator door control patterns are learned automatically and incorporated into the group control algorithm, dispatching elevators in a way that optimizes passenger waiting times and operational efficiency.

CLEAN

DESTINATION SELECTION SYSTEM (DSS)

Elevator panels used by the public can be operated without physical contact to minimize the risk of viral transmission.

HYGIENIC ELEVATOR CALLING

Contact-free touch screen interface

With H-Solution's electrostatic contactless touch screen, destination floors can be entered without direct contact with the surface of elevator panels. (* for 10.1 Inch Untact Type - Capacitive Touch Screen LCD)

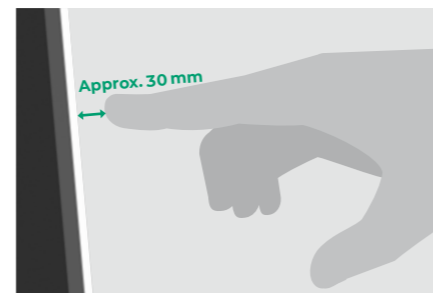


Hovering touch-type Destination Selection System(DSS) interface [HTS-UB02 (UNTACT BOX TYPE)]

Sensors' range

The interface recognizes finger motions within 30 mm of the surface.

* Virtual images have been used to help viewers' understanding.



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SECURE

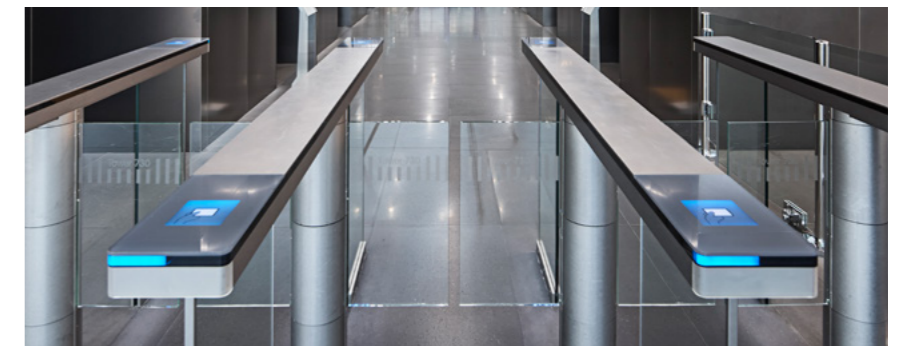
DESTINATION SELECTION SYSTEM (DSS)

A sophisticated design adds to the elegance of the building's lobby and enhances security by preventing unauthorized entry.

BUILDING SECURITY AND VISITOR MANAGEMENT

Building security system connection

IoT sensors can be linked to the building's security system to block unauthorized entry and ensure tenants' secure and efficient movement.



[CONTACT-FREE SPEEDGATE CALLING]

Reinforced security and convenience

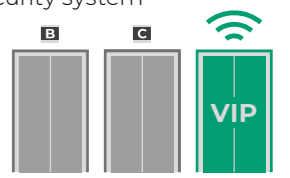
Speedgate (card key) and Smart DSS connection



Floor access restriction linked to the building's security system



VIP elevator calling linked to the building's security system



Connection with a biometric (fingerprint, iris recognition) security system



OnePass high-rise building transfer system (call the elevator and transfer elevator in a single motion)



INTERACTIVE

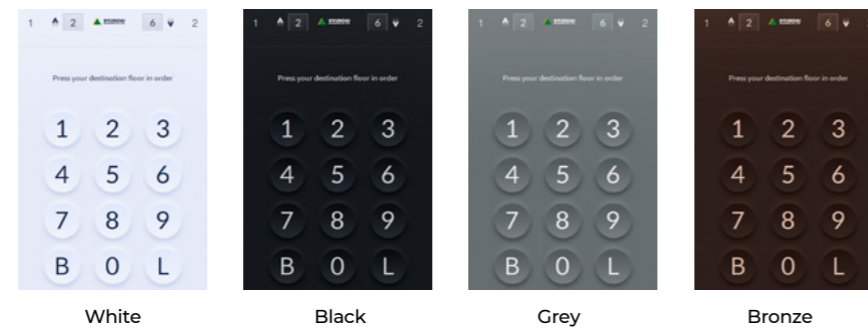
CONFIGURED ACCORDING TO CUSTOMER PREFERENCE

Communicate with customers even during short waiting moments providing LCD color themes, button designs, building information and customized content for customers to choose.

4 TYPES OF LCD THEMES

Selectable screen color according to customers preference

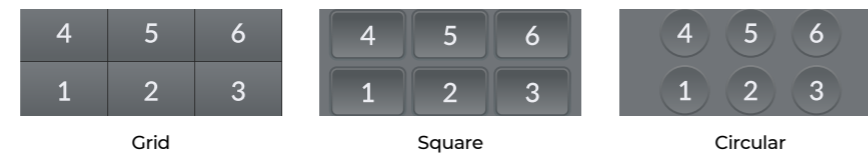
LCD screen colors are provided in 4 types of themes so that customers can choose according to customers preference or building design. (*for 10.1 or 29 inch LCD)



3 TYPES OF BUTTON DESIGNS

Button design choice according to customers preference

Buttons are provided in 3 types of designs so that customers can choose according to customers preference or building design. (*for 10.1 or 29 inch LCD)



3 TYPES OF BUTTON INPUT MODES

Input method provided for convenience

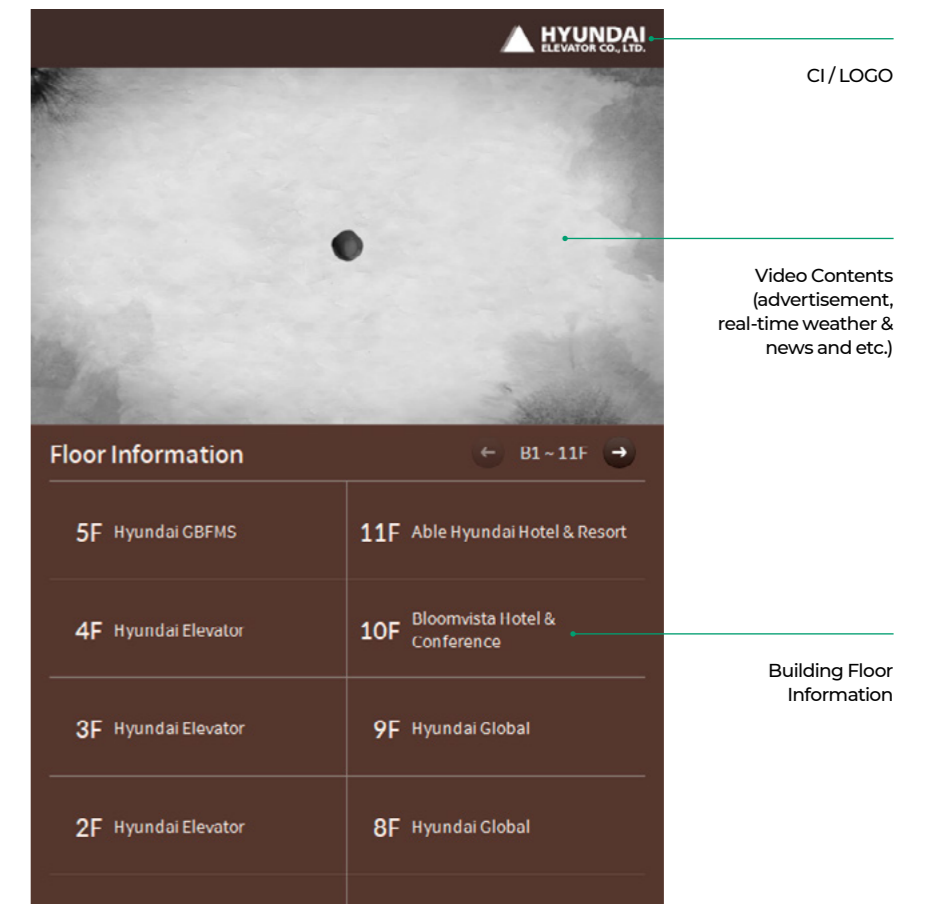
Buttons input modes are provided in 3 types – destination floor selecting type, 10 key type and group selecting type. (*group selecting type only for 10.1 inch LCD/ others for 10.1 or 29 inch LCD)



CUSTOMIZED CONTENT

From building floor information to entertainment content

The 29-inch large LCD can display building floor information, real-time weather & news and video contents in addition to the DSS. (*for 29 inch LCD)



[EXAMPLE OF SCREEN CONFIGURATION]

DESIGN & DETAILS

A modern design suits any lobby and fine details reflect a deep consideration given to functionality and eco-friendliness.



SLIM SHAPE

The interface panel tapers toward the back to reinforce its slim form when viewed from the front. It can be embedded in the wall for an even slimmer, sleeker look.

HIGH-END MATERIALS

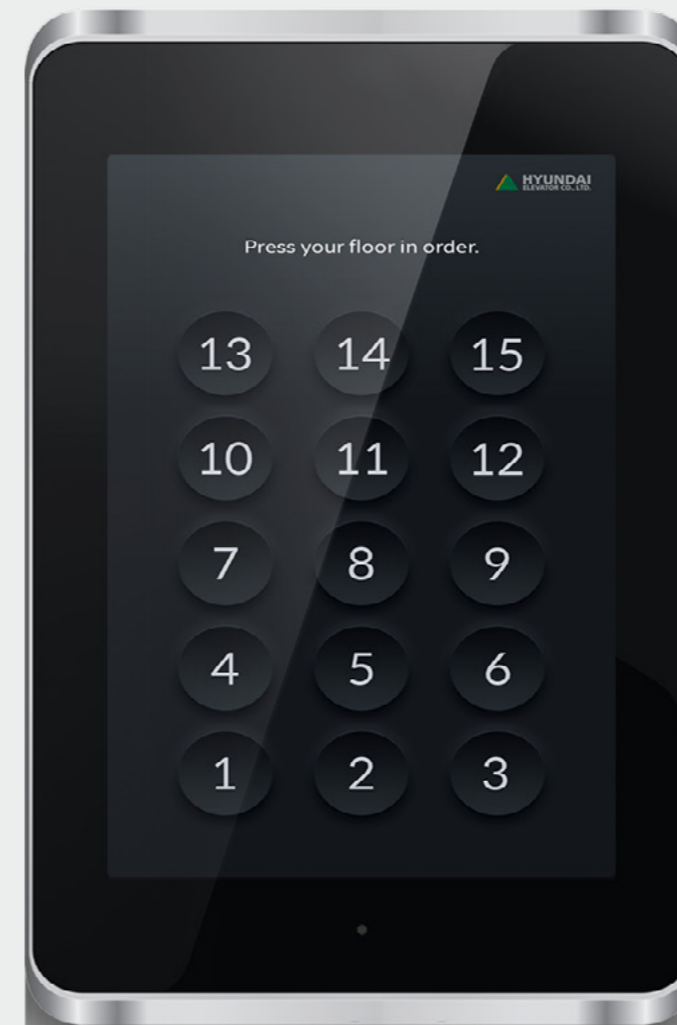
The front panel and buttons are made with metals such as hairline stainless steel and aluminum for durability and a sense of luxury.

USER-FRIENDLINESS

The spacing of buttons and the size of button labels have been optimized. The front surface of wall-mount panels comes with a 5-degree angle to improve visibility.

ECO-FRIENDLY MATERIALS

The frame and rear structure casing were minimized and the use of plastic was reduced to promote eco-friendliness.



WINNER OF A GOOD DESIGN AWARD

The Good Design Award is one of the most prestigious design awards in Korea created in 1985 that is given based on a comprehensive evaluation of a product's appearance, functionality, materials, and economic feasibility.

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PUSH BUTTON TYPE

HTL-B01 (BOX TYPE) / HTL-A02 (BOXLESS TYPE)

4.3" TFT LCD

The screen offers outstanding brightness and visibility

BLACK HAIRLINE

The surface has a durable black hairline finish with a spin hairline post-treatment that reinforces aesthetics.

DIAMOND CUTTING

Micro-spin diamond-cut button surfaces prevent finger slippage.



EN81-70:2018

Application of EN 81-70:2018 standards fulfill the needs of people with disabilities. Embossed button labels can be easily read even by the visually impaired.



180 mm (W) x 348 mm (H) x 65 mm (D)

TOUCH SCREEN TYPE

HTS-B02 (BOX TYPE) / HTS-A03 (BOXLESS TYPE)

TEMPERED GLASS

Tempered glass front panel resists strong impact.

10.1" TOUCH LCD

Large full-color touch screen features an intuitive user interface.

BUTTON DESIGN

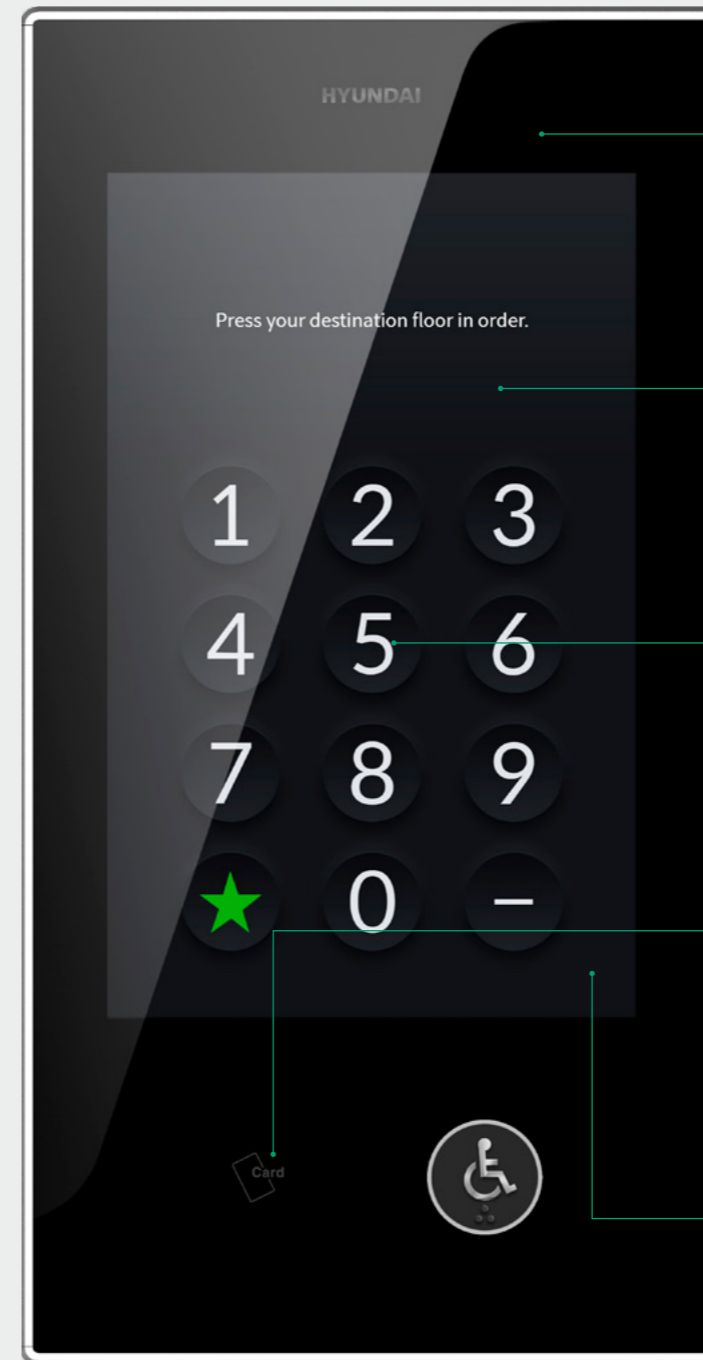
High contrast between screen elements maximizes button visibility.

RF CARD READER

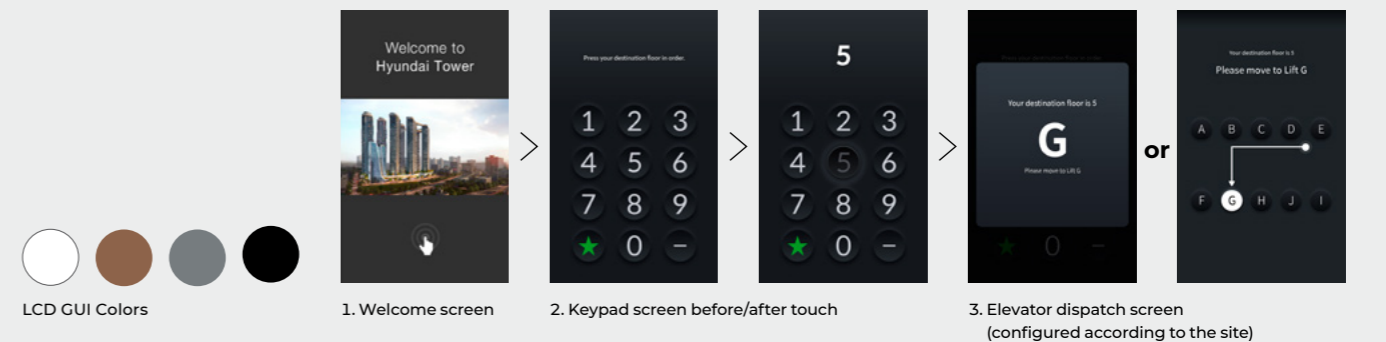
RF card recognition area complies with ultra-compact card reader standards

LCD GUI

A choice of 4 interchangeable background colors (black, gray, bronze, white) facilitate the matching with the interior of the hallway.



180 mm (W) x 348 mm (H) x 65 mm (D)



TOUCH SCREEN TYPE (29 INCH LARGE LCD)

HTS-B03 (BOXLESS TYPE)

VARIETY CONTENTS DISPLAY

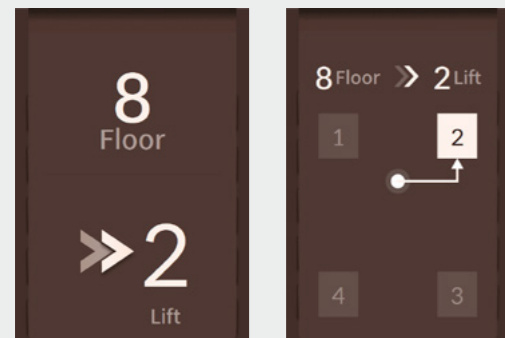
Variety contents are displayed including building floor&elevator operation information, real-time weather & news and video contents etc

29 INCH LARGE LCD APPLICATED OF TEMPERED GLASS

A large touch LCD is applied excellent durability thanks to the use of tempered glass on the front and can provide variety contents in addition to DSS functions.

BOARDING INFORMATION

Boarding elevator guidance is available by Pop-up or navigation(route guidance).



Pop-up

Navigation(route guidance)

VARIETY BUTTON FOR CUSTOMERS PREFERENCE & CONVINIENCE

Customers can choose 3 types of button designs(grid/Square/Circular) and 3 types of button input modes (destination floor selecting /10 key /group selecting).



224mm (W) x 840mm (H) x 45mm (D)

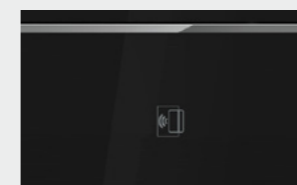
LCD THEMES

Customers can choose 4 types of LCD themes according to preference or building design. (white/black/grey/bronze)

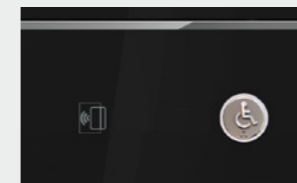


RF CARD READER/EN81-70:2018

A large touch LCD is applied tempered glass.



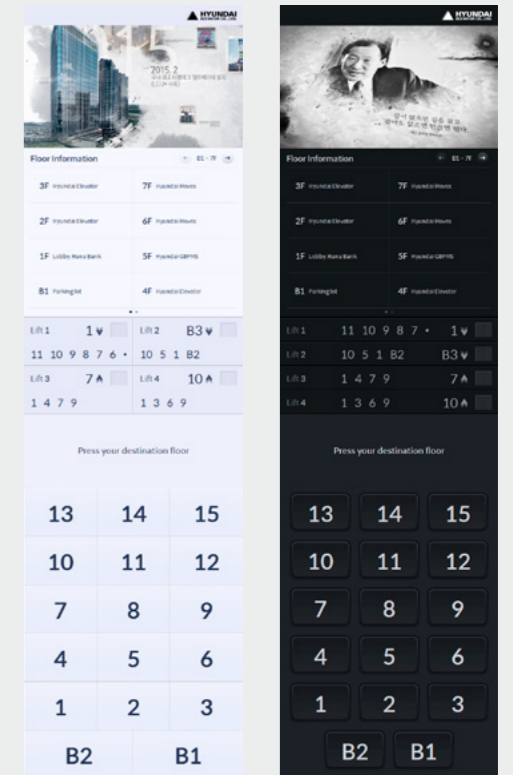
RF CARD READER APPLICATED 1)



RF CARD READER AND EN81-70:2018 APPLICATED 2)

- 1) Only ultra-small card device can be embedded. As a standard product, Hyundai Elevator supply the device.
- 2) Application of EN81-70:2018 standards fulfill the needs of people with disabilities. Embossed button labels can be easily read even by the visually impaired.

[EXAMPLE OF DISPLAY DESIGN]



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FIXTURES

APPLICATIONS

H-solution's functions and cost can be optimized to fit the size and purpose of a building so that group control can be implemented effectively.

INPUT DEVICE



HTS-B03 (BOX TYPE)



HTL-B01 (BOX TYPE) HTS-B02 (BOX TYPE)
HTL-A02 (BOXLESS TYPE) HTS-A03 (BOXLESS TYPE)
HTS-UB02 (UNTACT BOX TYPE)
HTS-UA03 (UNTACT BOXLESS TYPE)



HTK-B05C (BOX TYPE) HTK-B15C (BOX TYPE)

KIOSK



HTS-K03

CUBIC HALL LANTERN



HLS-NA1
UP: GREEN
DOWN: ORANGE

HLS-NA2
UP & DOWN: WHITE

APARTMENTS AND MIXED-USE BUILDINGS

- 2 elevators
- DUPLEX



SMALL AND MEDIUM-SIZED OFFICES, HOSPITALS, HOTELS

- 3~4 elevators
- HRCC-500

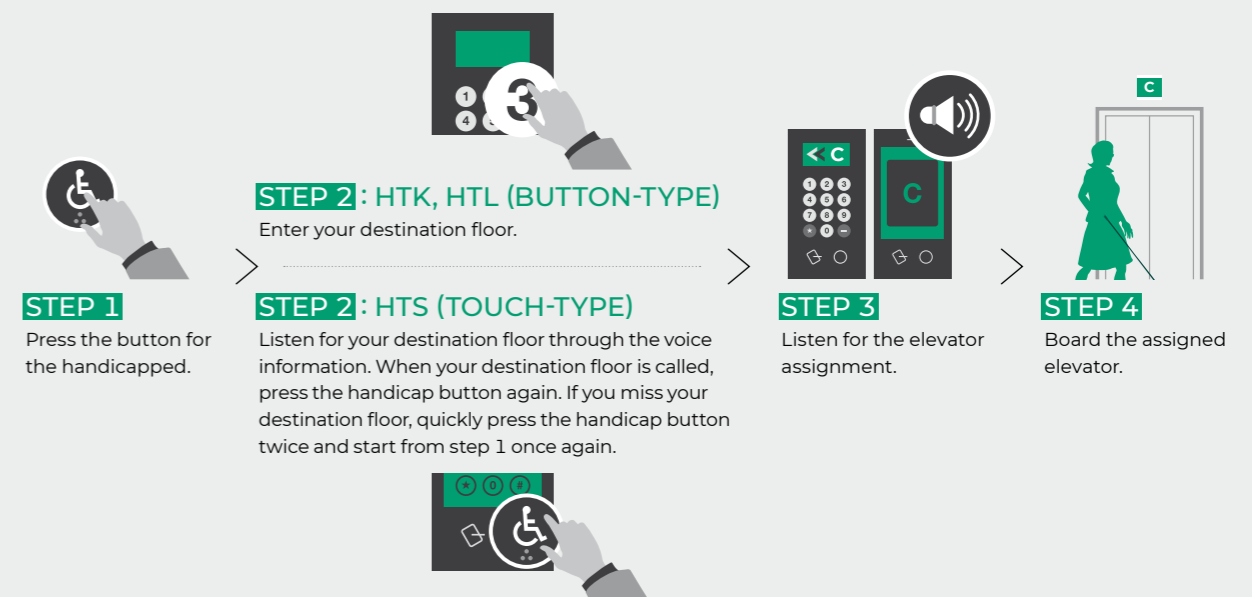


MULTIPLEX, HIGH-RISE, AND ULTRA HIGH-RISE BUILDINGS

- 5~10 elevators
- HRCC-5000



EN81-70 COMPLIANT HANDICAP ELEVATOR CALL PROCEDURES



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