



Hanta
Home Automation & BMS

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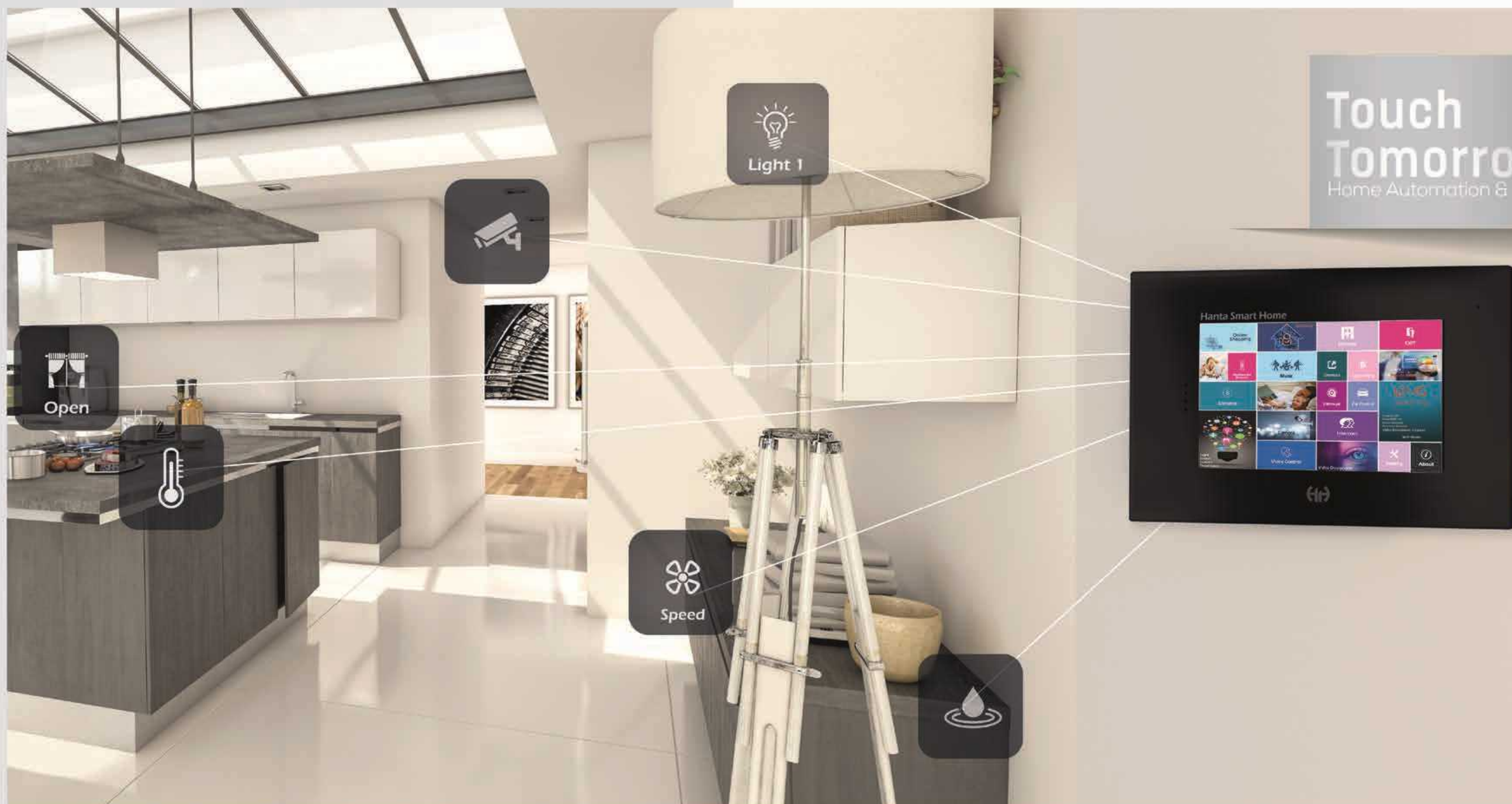
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تهران، بلوار تلسون ماندلا، بلوار صبا، پلاک ۳۶، طبقه اول، واحد ۱
Unit 1, 1st Floor, No. 36, Saba Blvd, Jordan St, Tehran, Iran

+98 22 0183 66 +98 26 29 20 59 +98 26 29 20 51

www.hantaibms.com info@hantaibms.com www.hantaibms.ir



Danesh Bonyan Ayandeh Sazan and Idea Producers of the Electronic Development Generation Company, under the name of the Hanta brand, are designers and manufacturers of intelligent building systems. They started their activities in 2010 with the aim of providing specialized smart products and services to optimize energy consumption and improve security and comfort in buildings. With a very strong team of electronics and software engineers and having obtained five patents in this field, the company has been able to localize its technology by gaining the latest technical knowledge in the field of intelligence. Finally, they provide a completely intelligent system that, in addition to many qualities and capabilities, has flexibility to meet the needs of buildings in the country. They offer products that can be controlled by touch and mobile monitors.



01 Hanta
About us



03 TEMPERATURE CONTROL

for controlling all cooling and heating systems, such as air conditioners, fan coils, packaged units, split systems, etc., based on the presence or absence of people through sensors or remote control over the Internet before entering the house via the application.

- Intelligent temperature adjustment.
- Control and adjustment of the cooling and heating system via a touch panel, touch keys, and an application.
- Cooling and heating system scheduling for switching on and off at specified times.



02 LIGHT CONTROL

lighting control to the user's liking, creating a calm and pleasant environment.

- Ability to control the lighting in all areas via a touch panel, touch keys, an application, and remote control over the Internet.
- Ability to use timing to control brightness (dimmer).
- Create attractive and different scenarios





Scenario

- Ability to set scenarios by the user
- Execute multiple commands at the same time by just touching one key
- Implementation of all scenarios through the application
- Internet remote control
- Timing capability to execute different scenarios



04 Central Server System



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Central Server System

- Control of the safety and security status of the building, including alarm systems, fire, gas leaks, etc.
- Ability to connect water and gas valves, etc.
- Run multiple commands at the same time with the touch of a single key.
- Run all scenarios through the application.
- Internet remote control.
- Ability to run different scenarios.



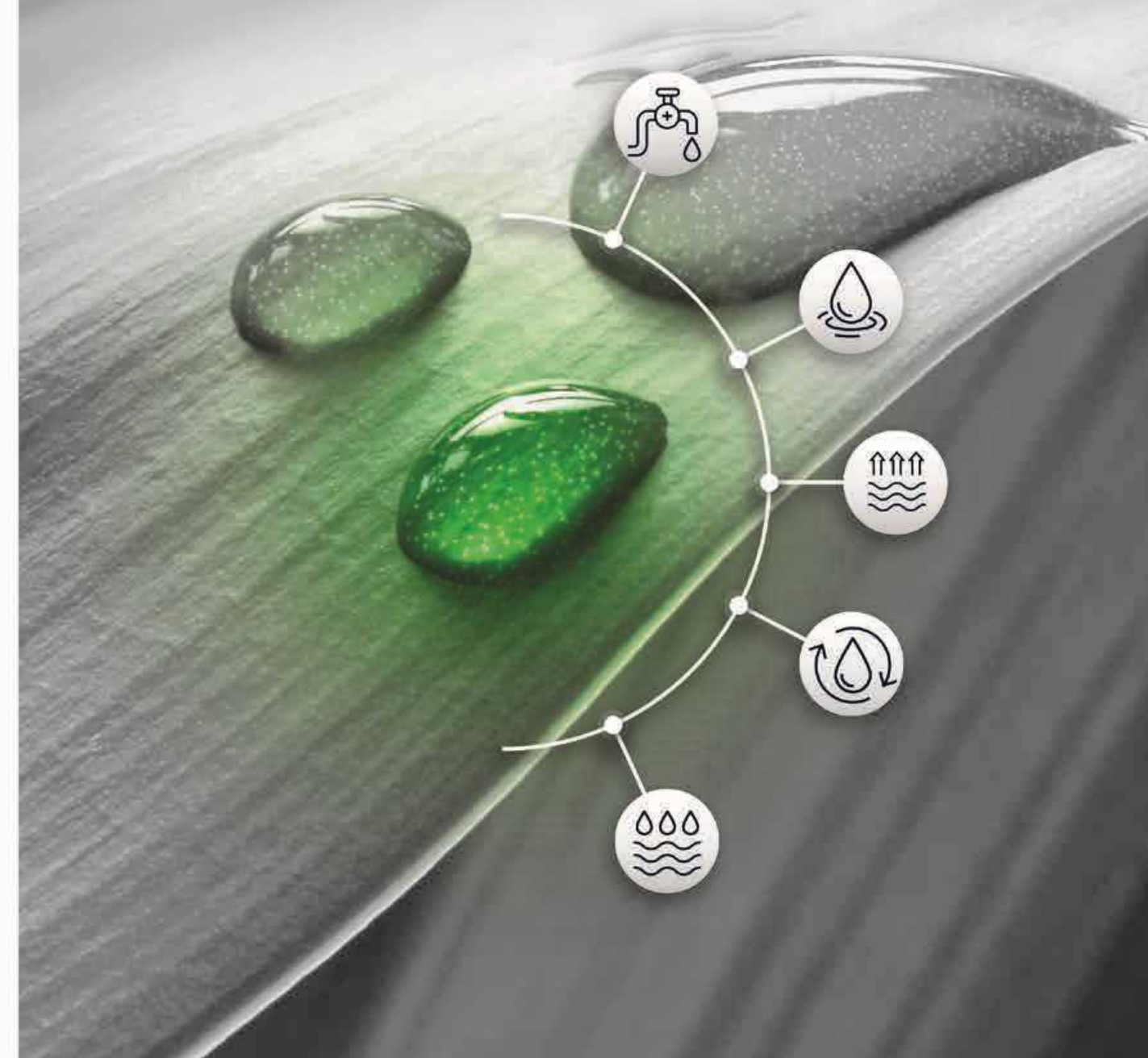


06 CURTAINS & BLINDS CONTROL

- Intelligent control of all curtains (shade, roll drape, etc.) depending on the amount of ambient light
- Ability to control curtains via touch panel, touch keys, and application
- Ability to define a scenario



05 Irrigation System Control



- Control of intelligent garden, green space, and roof garden
- Preparation of pool, sauna, and Jacuzzi according to schedule or remotely
- Ability to adjust irrigation based on temperature, time, and soil moisture
- Ability to define scenarios for irrigation or pool maintenance



07 Smart Touch Key



Dimmer



RGB



WC



- Activation and deactivation of the keys according to the intensity of the ambient light.
- The ability to adjust the function of the keys according to the intensity of the ambient light.
- The ability to set the function of the keys according to time.
- The ability to adjust the function of the keys according to different scenarios.
- The ability to lock each key bridge by the user.
- The ability to convert keys with each other without the need for additional cabling.
- Ability to control through a touch panel and application.

08 SMART MULTI KEY



Smart keys that have the ability to control lighting systems, electric curtains, and thermostats in one frame, which operate by touch with special features and a beautiful, modern appearance.

- The ability to adjust the function of the keys according to the intensity of the ambient light.
- The ability to set the function of the keys according to time.
- The ability to adjust the function of the keys according to different scenarios.
- Execution of scenarios defined for each key bridge by the user.
- Ability for the user to lock each key bridge.
- Ability to control through a touch panel and an application.



09 Touch Panel 10 & 7 Inches



Control of intelligent garden, green space, and roof garden

- Preparation of pool, sauna, and Jacuzzi according to schedule or remotely
- Ability to adjust irrigation based on temperature, time, and soil moisture
- Ability to define scenarios for irrigation or pool maintenance
- Intelligent control of all curtains (shade, roll drape, etc.) depending on the amount of ambient light
- Ability to control curtains via touch panel, touch keys, and application
- Ability to define a scenario



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Touch Tomorrow

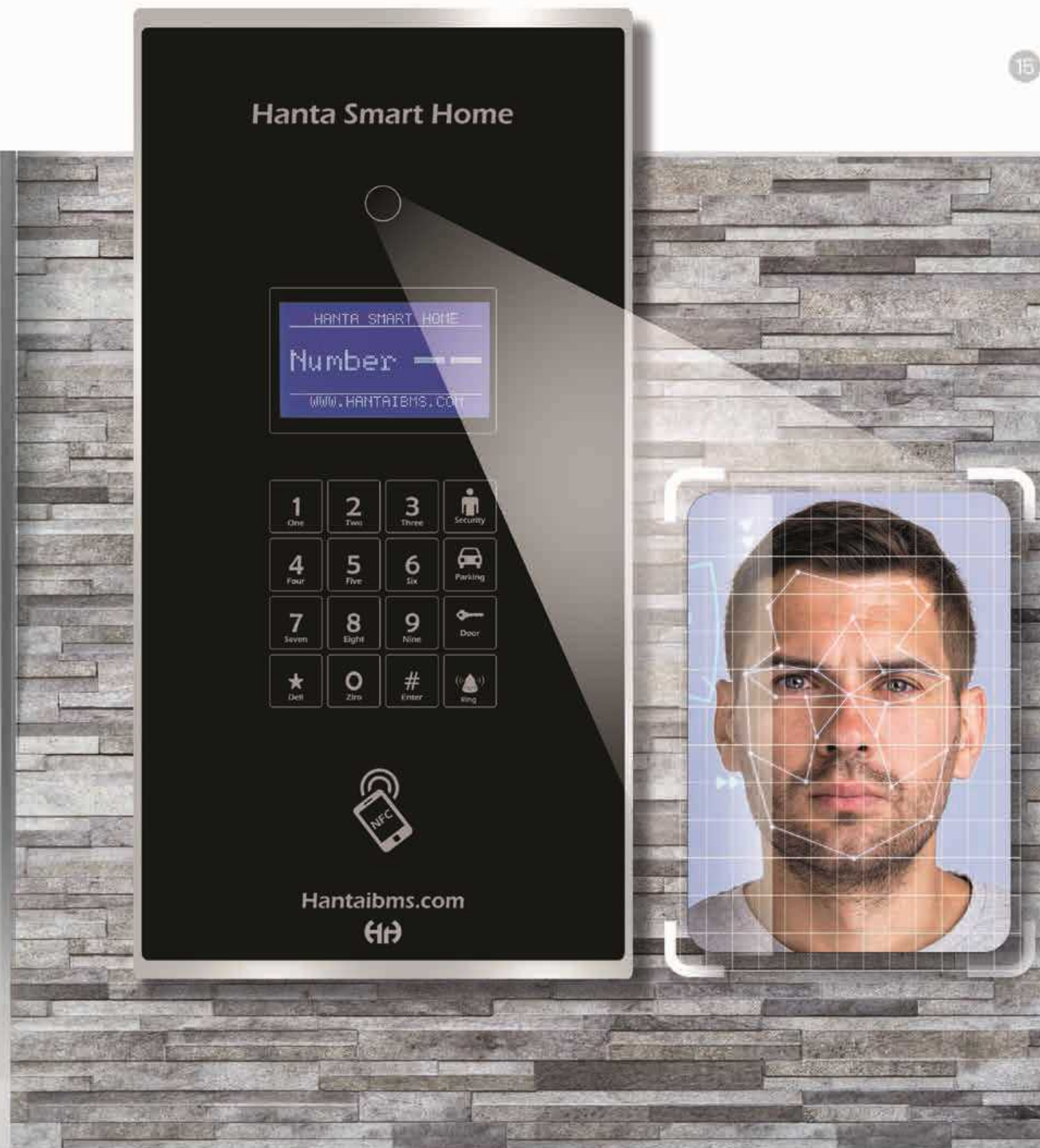
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- Opening entrance doors and parking doors by entering a password, using NFC technology, and a facial recognition module.
- The possibility of viewing the image and creating a connection on the touch panel and internet remote control through the application.
- Under the network.
- No limit on the number of units.
- Ability to add facial recognition.
- The possibility of connecting with the car's license plate reader system.
- Communication with the lobby panel.
- Communication with the elevator summoning system.
- Activation of communal lighting for entryways.



10 IP-Based Smart Door Phone



12 ACCESS CONTROL PANEL



- Vertical and horizontal digital coding touch panel with camera.
- Open the door by entering the password or using NFC technology.
- The possibility of opening the door remotely via the Internet.
- Working voltage of 12 volts.
- The ability to add a camera to the coding panel.
- Ability to monitor tracking cameras via the coding panel.
- Ability to monitor tracking cameras via the coding panel.
- Ability for the user to disable the alarm.
- Unlocking through the server relay (inside the electrical panel) for higher security.



11 Application



Control all smart systems by installing the application on a mobile phone or tablet.

- Ability to control all lighting, sockets, switches, cooling and heating systems, curtains, engine room, installations, etc., from inside or outside the house.
- Enable different scenarios.
- The possibility of opening the front door and talking to the desired person when pressing the iPhone bell button through the application.
- View CCTV cameras on mobile through the application.
- Control of all functions by voice assistant (Persian and English).





سیستم امنیتی هوشمند

14 SMART SECURITY SYSTEM

- Activate or deactivate the security system via touch panel and remote control through the application.
- The possibility of activating the system in the desired sections (different zones such as rooms, corridors, halls, etc.).
- The ability to choose different scenarios to activate the security system, such as the scenario for leaving home, sleeping, traveling, or having guests.
- The ability to add a backup battery to prevent the security system from being compromised during a power outage.
- Notification of a power cut to the homeowner.



13 Hotel Management System



- Access to the hotel's music or video archive for each room, with pleasant music playing in the lobby and hallway.
- Ordering food and specifying the time for it by the guest.
- Hotel electronic store (accessible via touch panel).
- Using smart hotel panels (do not disturb, room cleaning, waiting, alarm, bedside panel).
- The possibility of booking a taxi and registering for hotel tours.
- City map and information about entertainment, historical places, shopping centers, etc.
- Defining different access levels for hotel staff.





16 Smart Building Management System

- Ability to monitor and control the cooling and heating system through the central server
- Ability to monitor and control the temperature of all floors via the central server
- Ability to monitor and control the blower and suction fans on all floors through the central server
- The ability to control the blower and suction fans in the parking lot with intelligent control based on the amount of pollutants in the parking lot.
- Ability to monitor and control the voltage conversion transformer, Buchholz relay, thermal relay of the transformer, and the status of the main keys.
- Ability to monitor and control the engine room system (boiler, double wall source, booster pump for firefighting and water supply, double wall source circulation pump, double wall spare return pump).
- Ability to monitor and control tanks, the output of booster pumps, and the water pressure of the output from booster pumps.
- Ability to monitor and control the capacitor bank, send alarms, and track the number of active steps.
- Ability to monitor and control generators, define testing and loading times, and view them.
- Ability to monitor and control lighting lines manually and intelligently based on timing, motion sensors, and light sensors.
- Ability to monitor and control elevator alarms and define scenarios for special conditions.
- Ability to monitor, control, and connect the fire alarm system to the central server.
- The possibility of reporting all equipment for periodic services and their performance separately.



15 CCTV

- Viewing and switching between CCTV images
- Possibility of remote internet access via an application (using a static IP)
- Ability to connect the system with both analog and digital cameras
- The ability to control smart systems (lighting, electric curtains, cooling and heating, etc.) while simultaneously monitoring the same space.

