



ADVANCED TECHNOLOGIES
FOR HOSPITALITY



OUR COMPANY

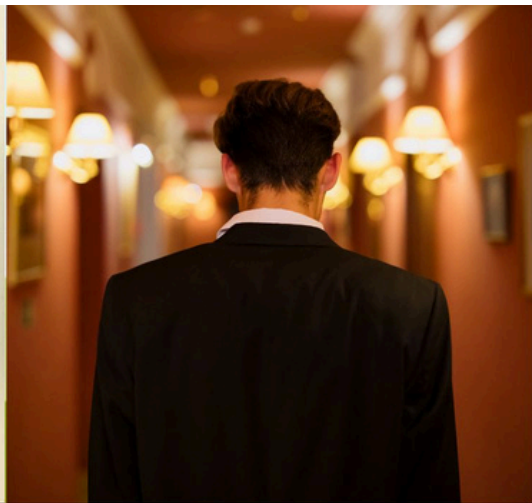
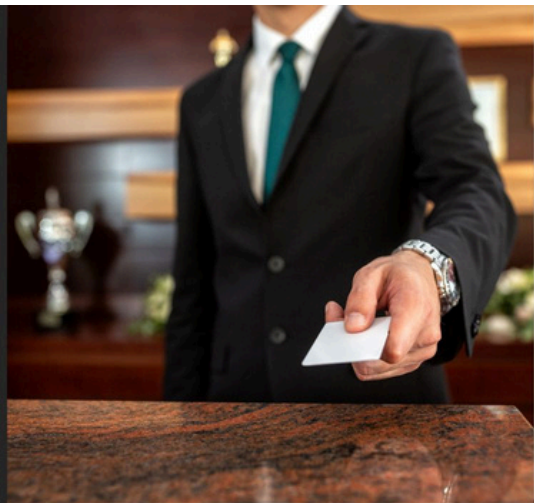
ABOUT US



Our company, HCS GROUP - LOCKIT, is a leader in the building automation sector, specializing in the development of wireless solutions for the control and management of hotel environments and hospitality facilities. With decades of experience and deep knowledge of the hospitality and security markets, we bring unparalleled expertise to our clients.

We are the inventors and sole owners of *HCS*, the innovative wireless hotel building automation system, and its new version, *HCS VISION*, for which we proudly hold the trademark.

Our mission is to provide high-quality solutions that are easy to install and use, enhancing the management of facilities and the guest experience. As pioneers in the field, we have always led the way by employing innovative technologies to make people feel safe and secure wherever they choose to go. We continue to use advanced technologies to offer safety and peace of mind to both hospitality service providers and their guests.





WIRELESS BUILDING AUTOMATION SYSTEM

HCS VISION is an advanced, patented wireless building automation system for hotels, entirely designed by our company and manufactured in Italy. The system consists of room devices and management software designed to automate and control the functionalities of the hotel facility.

The system uses Zig-Bee wireless technology to ensure robust communication between all devices and the reception software. Each component of *HCS VISION* interacts with lighting, heating and air conditioning systems, security, and various service requests, enabling centralized management through a single software interface. This allows hotel staff to efficiently monitor and control the various functions of the facility in real time.

The high performance of *HCS VISION* allows for data acquisition and monitoring, the automation of numerous operations, and real-time information sharing, optimizing tasks that would otherwise require manual management.

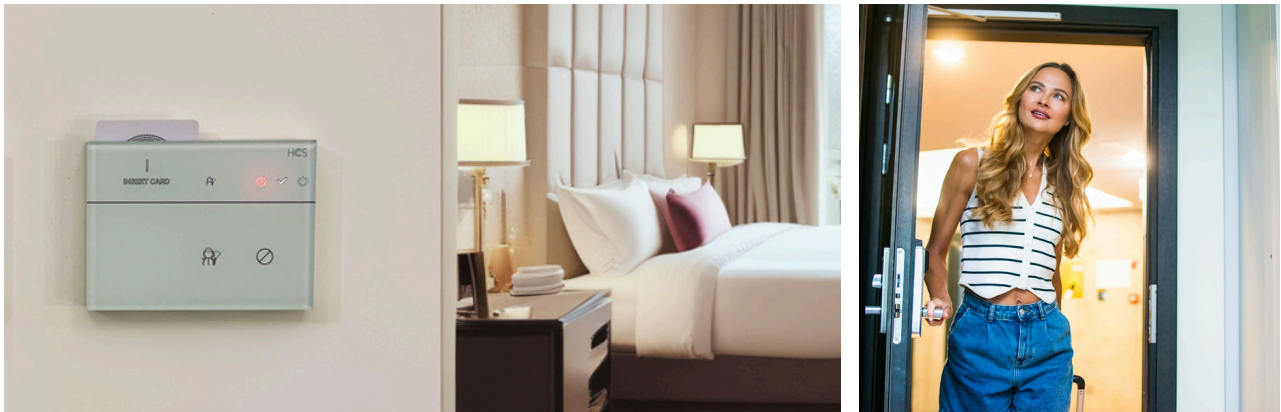
Thanks to the SMART management provided by *HCS VISION*, owners and managers can improve operational efficiency, reduce costs, offer superior customer service, and at the same time contribute to environmental protection.

TECHNOLOGICAL VISION



HCS VISION features a modern and ergonomic design, with sleek and elegant devices that seamlessly integrate into any environment. The system provides a technologically advanced, efficient, secure, and personalized experience for guests, significantly enhancing their stay while offering substantial operational benefits for the hotel.

HCS VISION's smart room ensures a cutting-edge stay, increasing guest satisfaction and optimizing the operational efficiency of the facility.



SMART HOTEL



MORE EFFICIENCY

HCS VISION streamlines room management by enabling centralized monitoring and control of electricity usage, climate control, services, and technological systems. This optimization enhances operational efficiency and reduces costs.



MORE SECURITY

Through its devices, *HCS VISION* offers advanced security features, such as access control, occupancy monitoring, and alarm management, ensuring a safer environment for both guests and hotel staff.



MORE CONTROL

Thanks to an intuitive interface, guests can manage various aspects of the room and request services, providing a more interactive and technologically advanced experience.



CUSTOMIZATION

HCS VISION allows for the customization of the environment according to guest preferences, such as adjusting temperature, lighting, and privacy, providing a more comfortable and satisfying stay.

HOW IT WORKS



ROOM KIT

HCS VISION consists of the ROOM KIT, featuring elegant touch glass devices installed in the rooms:

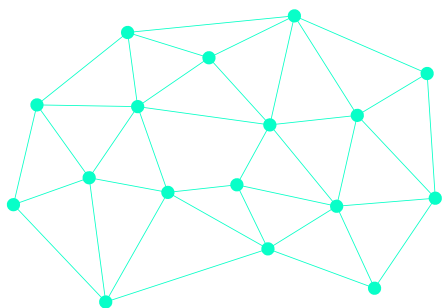
- WALL READER - ACCESS CONTROL
- INTERNAL READER - ENERGY SAVER
- THERMOSTAT
- WINDOW SENSOR



RECEPTION KIT

Additionally, it includes the RECEPTION KIT for centralized management of the entire facility:

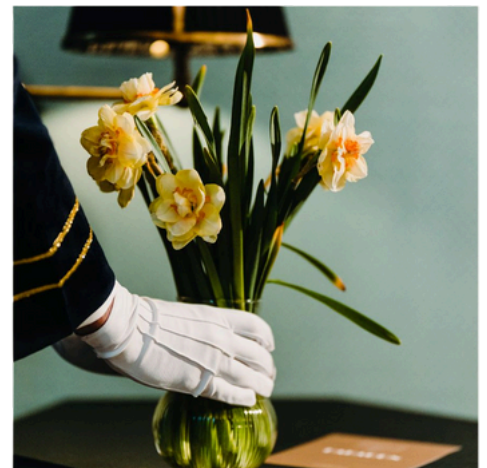
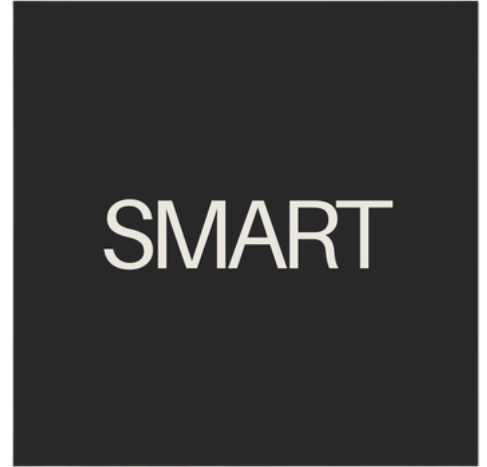
- SUPERVISION SOFTWARE
- VISION-CONNECT GATEWAY
- CARD ENABLER



The devices installed in the rooms and the software communicate with each other through the VISION-CONNECT Gateway using Zig-Bee wireless transmission, creating a robust and encrypted network that ensures real-time control and management of the hotel.



Efficient



ROOM KIT

ROOM KIT



WALL READER - ACCESS CONTROL

The Wall Reader - Access Control is installed on the wall outside the room and is connected via RS485 to the Internal Reader - Energy Saver. It allows the door to be opened when an authorized RFID card is presented.

It features a bell and color-coded LED icons that indicate:

- **DO NOT DISTURB**
- **GUEST IN ROOM**
- **CLEANING REQUEST**

UNIVERSAL ACCESS CONTROL FOR ALL HOTEL AREA

The device can be installed in any area of the hotel where access control is needed:

- Storage rooms
- Parking lots
- Spa
- Gyms
- Elevators
- Gates
- Offices



Thanks to its special waterproof and fire-resistant treatment, the Wall Reader - Access Control can be installed in outdoor environments as well.

TECHNICAL DATA

- 32-BIT STM PROCESSOR, 64MHZ
- NFC READER FOR MIFARE 1K CARD RECOGNITION
- 5MM PITCH 10-PIN QUICK-CONNECT TERMINAL BLOCK
- 32KB MEMORY, OPTIONAL, FOR DATA MANAGEMENT
- SIGNALING BUZZER
- 1-KEY TOUCH KEYBOARD, EXPANDABLE UP TO 10 KEYS
- LED INDICATORS FOR ROOM STATUS / DO NOT DISTURB / ROOM RESET
- RS485 SERIAL COMMUNICATION INTERFACE
- POLARITY REVERSE AND OVERLOAD PROTECTION
- 12V DC $\pm 10\%$ POWER SUPPLY
- DIMENSIONS: 120X90X12MM, BLACK ABS V0
- 3 MM TEMPERED GLASS WITH POLISHED EDGE AND TEMPERED SCREEN PRINTING
- 2 PROGRAMMABLE DIGITAL OUTPUTS, 12V 300mA
- 2 PROGRAMMABLE DIGITAL INPUTS, 12V 300mA

ROOM KIT



WALL READER VISION DIGITAL

The Access Control - Wall Reader is also available in an advanced version equipped with a digital touch keypad. This configuration allows users to open the door either by entering a numeric code or by using an RFID card.

The dual access option provides greater flexibility and convenience, accommodating various security needs and user preferences. Additionally, the touch keypad gives the device a modern and stylish design, seamlessly integrating with the contemporary aesthetics of the surroundings.



RFID CREDENTIALS

HCS VISION provides a comprehensive access control solution with its versatile wall reader and a wide range of RFID carriers, including:

- **CARDS**
- **WRISTBANDS**
- **KEY FOBs**

Designed for various applications such as guest, staff, and VIP access, this system enhances convenience and security throughout the hotel, ensuring an optimal experience for everyone.

ROOM KIT



INTERNAL READER - ENERGY SAVER

The Energy Saver - Internal Reader connects all room devices to the software via Zig-Bee wireless transmission, directly communicating with the VISION-CONNECT Gateway.

The reader is installed on the interior wall of the room, near the entrance door. When an authorized RFID card is inserted, it activates the lights and climate control.

INTERACTIVE TOUCH PANEL: REAL-TIME ROOM STATUS DISPLAY

The Internal Reader - Energy Saver provides real-time updates on the presence of guests or authorized personnel in the room, displaying their name in the reception SUPERVISION Software.

The reader features touch buttons to provide real-time information about the room's status, which is displayed both in the SUPERVISION Software and on the external Wall Reader:



- DO NOT DISTURB
- CLEANING REQUEST
- ROOM CLEANED
- MAINTENANCE COMPLETED

TECHNICAL DATA

- 32-BIT STM PROCESSOR, 64MHZ
- NFC READER FOR MIFARE 1K CARD RECOGNITION
- ZIG-BEE RADIO MODULE WITH INTEGRATED ANTENNA
- REAL-TIME CLOCK WITH CR 2032 BATTERY
- 5MM PITCH 10-PIN QUICK-CONNECT TERMINAL BLOCK
- 32KB MEMORY FOR DATA MANAGEMENT
- SIGNALING BUZZER
- 2-KEY TOUCH KEYBOARD, EXPANDABLE UP TO 10 KEYS
- CUSTOMIZABLE LED INDICATORS
- RS485 SERIAL COMMUNICATION INTERFACE
- POLARITY REVERSE AND OVERLOAD PROTECTION
- 12V DC $\pm 10\%$ POWER SUPPLY
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- 2 PROGRAMMABLE DIGITAL INPUTS, 12V 300mA

ROOM KIT



THERMOSTAT

The thermostat controls and manages the room temperature, including switching it on and off. Its settings are managed through the SUPERVISION Software, and it intelligently adjusts to the presence of guests, offering two distinct modes for optimal energy use and comfort:

- **SAVING MODE:** Minimizes energy consumption by turning off the power when the room is empty.
- **COMFORT MODE:** Maintains a pleasant temperature even in the absence of occupants, ensuring that the room is always welcoming upon their return. Thanks to its smart performance, the Thermostat ensures the Comfort Mode even if the guests leave the card inserted in the Energy Saver device.

The Thermostat features a LED display, showing:

- **SET AND DETECTED TEMPERATURE**
- **HUMIDITY LEVEL**
- **3 SELECTABLE FAN SPEEDS**
- **CLOCK**
- **WELCOME MESSAGE TO THE GUEST**
- **ICON SHOWING DO NOT DISTURB MODE ON**
- **ICON ALERTING WHEN THE WINDOW IS OPEN**

The Thermostat interacts wirelessly with the window sensor, turning off the air conditioning when the window is opened.



Due to its technical features, the Thermostat is compatible with any air conditioning system model, and with both fan coil and split systems.

TECHNICAL DATA

- 32-BIT STM PROCESSOR, 64MHZ
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ROOM KIT



WINDOW SENSOR

The Sensor is installed on the window and monitors its opening. It communicates wirelessly via Zig-Bee directly with the Thermostat, turning off the air conditioning when the window is opened.

It provides real-time status updates to the software, indicating whether the window is open or closed, or if there are any attempted forced openings from the outside.





RECEPTION KIT

RECEPTION KIT



SUPERVISION SOFTWARE

HCS VISION features the RECEPTION KIT, which includes the advanced SUPERVISION Software, a unique, wireless management platform specifically tailored for the operational needs of hotels. Designed with varying access levels, the Software ensures seamless oversight of all hotel areas, enhancing operational efficiency.

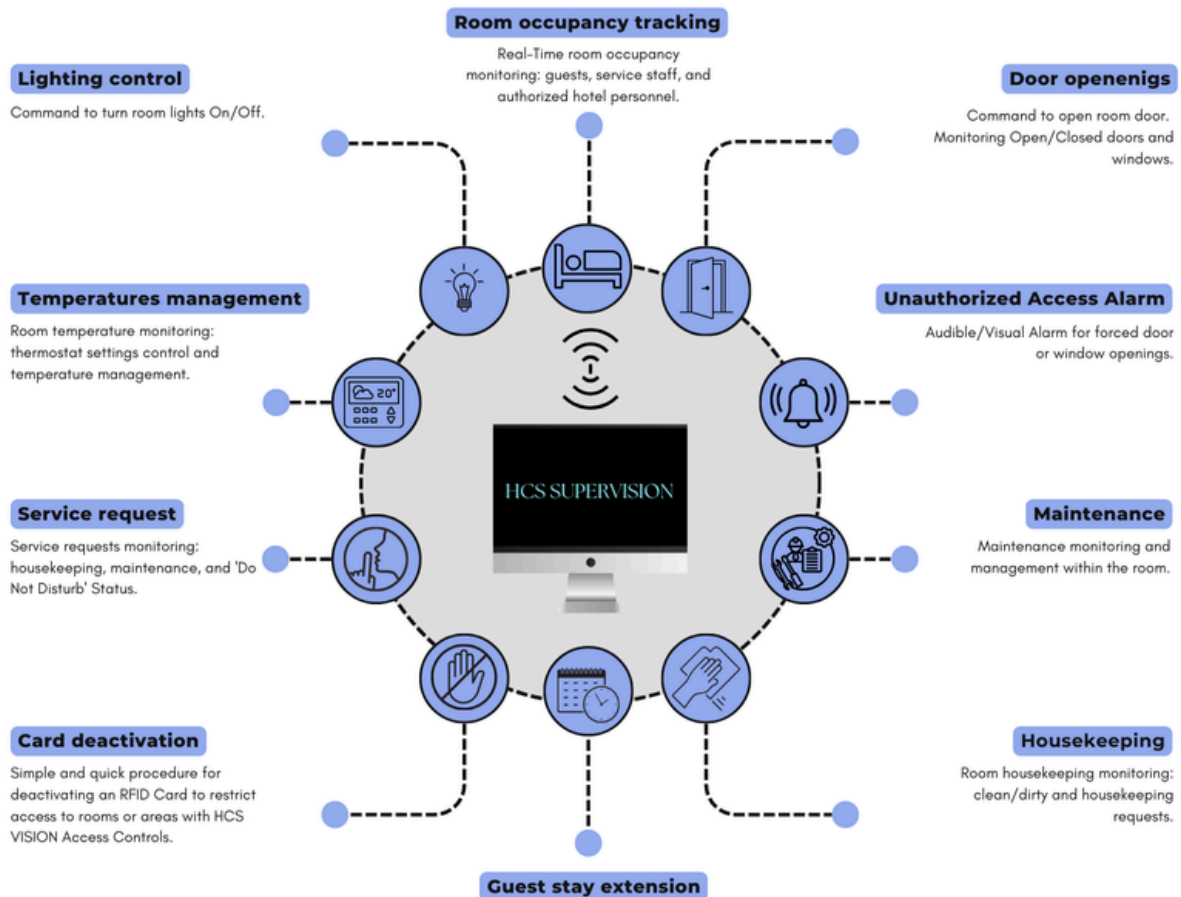
Moreover, the SUPERVISION Software is fully compatible with, and easily integrates into, the most widely used Property Management Systems (PMS), making it a versatile solution for modern hotels.

ACCESS LEVELS

- **HCS-Status:** Area dedicated to reception staff.
- **HCS-Gestione:** Area dedicated to hotel management (owners, management, security and maintenance managers, housekeeping).

REAL-TIME SECURITY AND CONTROL

The SUPERVISION Software sends and receives data from the system devices installed in the rooms via Zig-Bee wireless communication and the VISION-CONNECT Gateway. This setup ensures that important information is displayed in real-time on the software, providing a high level of security and enabling the simple and efficient management of useful services.



RECEPTION KIT



VISION-CONNECT GATEWAY

The VISION-CONNECT Gateway transmits data between the *HCS VISION* devices in the rooms and the SUPERVISION software using an exclusive, encrypted Zig-Bee wireless protocol.

Each VISION-CONNECT Gateway can manage up to 60 rooms, regardless of the distance or location of the rooms and the Software.

TECHNICAL DATA

- ETHERNET COMMUNICATION INTERFACE FOR THE CONNECTION TO MANAGEMENT SOFTWARE.
- 12V DC POWER SUPPLY.
- ZIG-BEE RADIO MODULE 2.4 GHZ WITH EXTERNAL ANTENNA FOR INTERCONNECTION TO THE *HCS VISION* NETWORK.



RFID CARD ENabler

NFC Enabler to allow access to rooms or areas equipped with *HCS VISION* access control via cards, wristbands, or RFID key fobs. It enables recognition of a card's affiliation through the SUPERVISION Software and allows for disabling the card.

TECHNICAL DATA

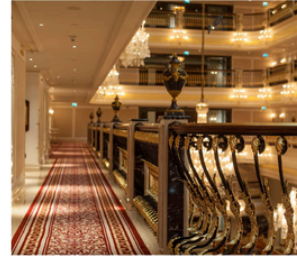
- 13.56 MHZ / ISO14443AB
- SUPPORTS MIFARE CLASSIC®, MIFARE PLUS®, MIFARE ULTRALIGHT®, MIFARE ULTRALIGHT C
- USB CONNECTION TO A COMPUTER WITH SUPERVISION SOFTWARE
- 1 BUZZER FOR TAG DETECTION
- BI-COLOR LED



Versatility



Operational Efficiency



Elegance



Energy efficiency



Customization

HOSPITALITY 5.0

MADE IN ITALY

BENEFITS

ALL-IN-ONE SMART HOTEL



ENERGY EFFICIENCY

Thanks to the energy-efficient capabilities of *HCS VISION*, the hotel becomes an Eco-Friendly establishment. This advanced system optimizes energy usage, significantly cutting down on consumption and environmental impact. By embracing sustainable technologies, the hotel not only contributes to the preservation of natural resources but also enjoys tangible benefits. These include lower operational costs, enhanced overall efficiency, and appeal to environmentally-conscious guests. An Eco-Friendly hotel can boost its reputation, earn green certifications, and stand out in the market as a leader in sustainability.

SIGNIFICANT ENERGY SAVINGS



HCS VISION ensures tested energy savings of up to 47%, leading to a significant reduction in energy consumption and energy costs, with substantial benefits and lower management expenses.

INCREASED APPEAL



Eco-friendly hotels become an appealing choice for guests seeking a sustainable stay experience. Additionally, they encourage guests to adopt mindful behaviors, promoting a sustainable lifestyle aimed at environmental preservation.

WIRELESS INSTALLATION

Thanks to Zig-Bee wireless transmission and the design of all *HCS VISION* components, installation is extremely straightforward and quick. The devices are engineered to be immediately operational, without the need for complex configurations or extensive wiring.

Zig-Bee technology enables efficient and stable communication between devices, significantly reducing setup time and associated installation costs. This plug-and-play approach makes *HCS VISION* ideal for any facility, allowing immediate benefits from an advanced system with minimal disruption to daily operations.

**A SMARTER HOTEL
IN JUST MINUTES
PER ROOM**



- DEVICES INSTALLABLE IN JUST A FEW MINUTES
- NO NEED TO CHANGE EXISTING LOCKS OR DOORS
- NO CABLES CONNECTING THE ROOMS AND THE SOFTWARE AT RECEPTION
- NO REQUIREMENT TO CLOSE THE HOTEL OR MAKE ROOMS INACCESSIBLE
- DEVICES ARE BATTERY-FREE AND REQUIRE NO MAINTENANCE
- NO USE OF PRESENCE OR INFRARED SENSORS
- INSTALLABLE IN ANY TYPE OR SIZE OF FACILITY
- MODULAR DEVICES, WITH THE OPTION FOR STAGGERED INSTALLATION



OPERATIONAL EFFICIENCY

The SUPERVISION Software allows real-time monitoring and management of rooms and all areas of the hotel equipped with the system's devices, directly from the reception. The benefits of online management are numerous and represent a true innovation for any type of hotel. With real-time interaction between all *HCS VISION* devices and the SUPERVISION Software, hotel management becomes highly streamlined. This enables receptionists, managers, maintenance staff, housekeeping, and security personnel to operate more efficiently and quickly, simplifying their tasks.

Both the SUPERVISION Software and *HCS VISION* devices are intuitive and user-friendly, enhancing operational effectiveness for all hotel staff.

STAFF LOCATION AND CONTROL

HCS VISION provides constant monitoring of staff presence in the rooms, including housekeeping, maintenance, and minibar attendants. The system allows real-time tracking of staff locations and activity times.

All movements and actions are recorded, generating detailed data that is stored in the SUPERVISION Software. This data is available for generating comprehensive reports, which can be accessed anytime. This ensures that management has a complete and current overview of operations, improving staff management and enhancing overall operational efficiency.



TECHNICAL EFFICIENCY

The SUPERVISION Software efficiently manages all aspects related to technical issues, malfunctions, breakdowns, and maintenance.

Through a dedicated maintenance interface, it tracks every required or completed intervention, ensuring a smooth and rapid maintenance process.

Reception staff receive real-time notifications about the status of the rooms, including any alerts regarding faults or ongoing repairs. This integrated system ensures that every room remains operational and ready for guests, enhancing service quality and minimizing downtime.



EMPOWERING

Hotel security



ENHANCED SECURITY

The SUPERVISION software provides real-time monitoring of a wide range of events and activities, ensuring maximum security and comfort for both guests and hotel staff.

Key features include alarm detection, monitoring of unauthorized access attempts, and tracking of door and window openings.

The system tracks the presence of both guests and staff in the rooms, recording every access and generating detailed reports on alarms and events. These constantly updated and accessible data enable prompt intervention when needed and maintain stringent control over all activities within the hotel, significantly enhancing both security and operational efficiency.



Boundless TECHNOLOGY



ADAPTABILITY

HCS VISION is adaptable to any type of hotel, as it is designed to be flexible and customizable to meet the specific needs of each property, ranging from small independent hotels to resorts, vacation villages, and luxury establishments.

Its flexibility, customization options, and ability to cater to diverse hotel requirements make *HCS VISION* a versatile and effective solution for any type of hospitality establishment.

HCS VISION can also be integrated with other existing technologies and systems within the hotel, such as the air conditioning system.

MODULAR EXPANSION

The system consists of separate devices that can be implemented at different times according to the specific needs of the hotel, allowing for a customized installation.

CUSTOMIZABLE DEVICES

The *HCS VISION* devices can be customized with logos, slogans, or tailored to meet the specific needs of the hotel.

SUPER TEAM



CUSTOMIZED SOLUTIONS BY EXPERT HOSPITALITY TECHNOLOGISTS

Our team of highly specialized professionals, with extensive expertise in hospitality technology and a deep understanding of market dynamics, is dedicated to crafting and delivering customized solutions for every facility.

We meticulously assess each property's unique requirements and challenges, ensuring that our recommendations are precisely aligned with their operational goals. By leveraging our advanced industry knowledge and innovative approaches, we provide tailored solutions that enhance efficiency, improve guest experiences, and drive overall success for each establishment.








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