Intelligent Residential Solution

Technological Innovation Leads Smart Living

Face Recognition   QR Code Recognition   Elevator Control   Mobile Service   Open and Integrated

Solution Overview

Nowadays, with the development of modern technology, Internet of Things (IoT), Artificial Intelligence (AI) and Big Data has been having a strong impact on almost all of the industries worldwide, as well as residential industry.

At the same time, traditional solutions can no longer meet the diverse and intelligent needs of customers. In the traditional solution, each system is relatively independent, data is not interconnected, and experience and flexibility are poor, which make management very difficult and consume a lot of manpower and resources.

How to take residents as the core of service and use emerging technologies to provide them with safe, smart, efficient and convenient services, creating a smart living is becoming increasingly important than before.

Requirements:

· How to make residential area more safety?

· How to bring smart living experience to owners?

· How to improve property efficiency and service?

· How to speed up project landing and save cost?

Solution Introduction

Based on the actual needs, the Dahua Smart Residential Solution focuses on video-oriented Internet of Things, continuously digs into customer application scenarios, and comprehensively improves the owner 's living experience, quality of life, and property management efficiency through new technologies.

Solution Introduction

Smart Security
- AI empowers community safety
- Multi-layer protection

Smart Living
- Touchless passage for both residents and authorized visitors
- Smart and safe home

Smart Property Management
- Unattended
- Convenient services for residents and their property
- Centralized management for multiple communities

Public Area
- Panoramic Monitoring
- Fire Exit Blockage Detection
- Throwing At High Attitude Detection
- Dumping Detection

Comprehensive Center
- Intelligent Access Authority Management
- Online Facility Reservation

Block
- Face and Visitor QR Code Recognition
- Elevator Control
- Video Intercom

Parking Lot
- Parking Space Recognition
- Smart Parking Guidance

Home
- Safe Home
- Remote Management
- Smart Home Control

Security Center
- Centralized Management
- Convenient Communication Between Residents And Property

Perimeter
- Target Classification and Accuracy Recognition
- Provides "Active Deterrence" Solution

Entrance & Exit
- Face Recognition
- Wide Lane License Plate Recognition
- Visitor QR Code Management
- Unattended

Concierge
- Temporary Visitor Management
- Handles Daily Remote Consultation

Solution Highlights

Elevator Control

- Only authorized people can use the elevator, making the living environment safer.
- Supports several identification methods, such as face, QR code, and card.
- Visitors can automatically enter after the resident unlocks the door via the VTH.
- Flexible floor settings for different role, such as residents, security guards, property manager, etc.

Visitor QR Code Management

- Allows visitors to use QR codes shared by the resident to access the building, providing comfortable visiting experience.
- Provides temporary access not only for people but also for vehicles.
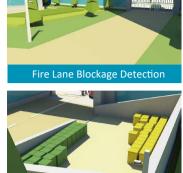- All the visitor invitation and QR code sharing can done on the mobile app.

Efficient Parking Entrance Management

- Provides quick entry and exit without stopping for vehicles registered in the white list.
- Wide lanes or entry angles can be covered by the dual LPR camera, significantly improving recognition accuracy.
- Supports video intercom and remote opening of the barrier gate, no need for a security guard on site.

See your kids in the playground

Talk with visitors and check the video

Call Concierge for help

Smart And Safe Home

- Provides constant connection via video calls at home and through the mobile app.
- Makes home safer with the combination of CCTV and video door bell.
- Allows easy integration with home automation system to realize a smart home.

High-rise Littering Detection

Fire Lane Blockage Detection

Perimeter Detection

Dumping Detection

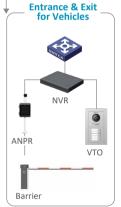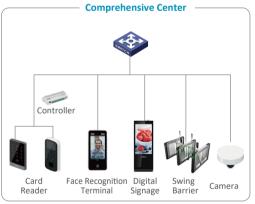## AI Intelligence

- Reduces hidden dangers and simplifies community management
- Improves property management efficiency

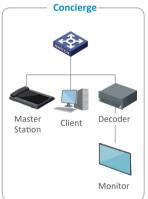## Solution Topology

Surveillance Center

Client

Video Wall

APP

DSS

EVS

Keyboard

Master Station

Matrix

Public Network

SWITCH

Entrance & Exit for Vehicles

NVR

ANPR

VTO

Barrier

Comprehensive Center

Controller

Card Reader

Face Recognition Terminal

Digital Signage

Swing Barrier

Camera

Concierge

Master Station

Client

Decoder

Monitor

Perimeter

NVR

IPC

Active Deterrence

PTZ

Entrance and Exit for People

Access Control

Fence VTO

Face Capture Camera

Block and Home

NVR

Wireless AP

Wireless AP

VTO

2nd Confirm VTO

VTH

Corridor Camera

Lobby Camera

Elevator Controller

Elevator IO

Elevator Camera

Public Area

NVR

Camera

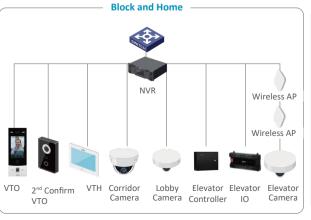Camera

Camera

Panoramic Camera

PTZ

Solution Values

Developers
- Build technological and high-quality residential concept to improve business value.

Properties
- Integrated and intelligent system improves management efficiency and provides high-quality services.
- Simple system design reduce learning and operation cost.

Residents
- Allows residents to enjoy better services and smarter living.
- Owns a safer, smarter and more comfortable community.

System Integrators
- All in one design provides easily installation and simple deployment.
- Powerful solution supporting speed up project landing and improve efficiency.

Recommended Products

5MP WDR IR Eyeball AI Network Camera IPC-HDW5541H-AS-PV	4MP Full Color Bullet AI Network Camera IPC-HFW5442T-AS-LED
4x2MP Multi-Sensor Panoramic IR Bullet Network Camera IPC-PFW8802-A180	Indoor Monitor VTH2421FB (W) (-P)

- 5MP WDR IR Eyeball AI Network Camera — IPC-HDW5541H-AS-PV
- 4MP Full Color Bullet AI Network Camera — IPC-HFW5442T-AS-LED
- 4x2MP Multi-Sensor Panoramic IR Bullet Network Camera — IPC-PFW8802-A180
- Indoor Monitor — VTH2421FB (W) (-P)
- 2U 8HDD Intelligent Video Surveillance Server — IVSS7008-2I
- 4MP 25x Starlight+IR PTZ AI Network Camera — SD5A425XA-HNR
- Android 10-inch Digital Indoor Monitor — VTH5341G-W
- Face Recognition VTO — VTO7541G
- Master Station — VTS5240B-S1
- Face Recognition Standalone Terminal — ASI8214Y-V3
- Swing Barrier — DHI-ASGB8xxX-L/R/D
- Elevator Controller — DHI-ASMH21
- Floor Standing Digital Signage — DHI-LDV55-SAI200
- 2MP Full AI Access ANPR Kit — IPMECS-2201C-(IR)
- Barrier — DHI-IPMECD-3012
- 55'' FHD Video Wall Display Unit (Ultra Narrow Bezel 3.5mm) — DHL550UCM-ESI
- 24-Port PoE Switch — PFS4226-24ET-360
- Comprehensive and Expandable VMS — DSS Pro

| Success Cases

Park Avenue Exclusive

◉ *Nur-Sultan, Kazakhstan*

" *Prk Avenue Exclusive is a business class residential complex occupying 100 hectares of land in Nur-Sultan.Dahua smart residential solution provides a highly secured community for Park Avenue. It assists in the remote and visual management of the property and improves the services and facilities they offer. At the same time, it enhances resident's living experience and satisfaction.* "

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