

A Singapore apartment complex redefines modern urban living with **smart building** solutions from Hikvision

CASE STUDY

CUSTOMER PROFILE



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Organization:

Deluxe Residences

Location:

Singapore

Industry:

Building

Solution:

Vehicle & personnel access control management, video security

Deluxe Residences is a newly-built boutique apartment complex in Singapore with 41 units designed for urban professionals. To meet the increasing demand for safe, smart, and convenient living spaces, the complex has recently implemented a comprehensive smart building solution by Hikvision.

The challenge

The quest for a seamless, secure, and smart urban lifestyle

As a modern residential complex, Deluxe Residences wanted to provide its residents with a seamless living experience that prioritizes security, convenience, and efficiency. More specifically, the apartment manager recognized the need for a robust access control system which would ensure that only authorized people could enter the premises.

This included managing vehicle access at the gates, controlling personnel access to the building, and integrating elevator access to prevent unauthorized movement between floors. The complex also required a reliable video security system in public areas to ensure safety and peace of mind. Lastly, the solution needed to be easy to use for both residents and management.





The solution

Hikvision's comprehensive smart building deployment

To achieve this, Deluxe Residences partnered with system integrator [Wen Hong Engineering Services](#) to deploy Hikvision's smart building solution. The solution that they implemented has focused on those three key areas:

- Vehicle access control
- Personnel access control
- Video security

▪ Vehicle access control

For vehicle access control, two [4MP ANPR Intelligent Entrance Video Units](#) (DS-TCG405-E) have been installed at the gates. These devices automatically recognize license plates, ensuring that only authorized vehicles can enter the premises.



▪ Personnel access control

For personnel access, two [Facial Recognition Door Stations](#) (DS-KD9203-ME6) have been installed at the main entrances. Residents can unlock doors using facial recognition, access cards, or PIN codes, providing a secure and contactless entry experience. Additionally, 50 [IP-Based Indoor Stations](#) (DS-KH6320-WTE1) have been installed in each apartment. These allow residents to receive video calls, open doors remotely, and view live footage from public areas using the [Hik-Connect](#) app on their mobile phones.

The system also integrates with the elevator, ensuring visitors can only access designated floors after being approved by a resident.



As Cheng Kai, the security consultant at Wen Hong Engineering Services said, “the implemented system is future-ready and reliable, giving both managers and residents the assurance they need.”

▪ Video security

For video security, a mix of smart cameras has been installed. Seven [4 MP AcuSense Strobe Light and Audible Warning Fixed Mini Bullet Cameras](#) (DS-2CD3046G2-IU/SL) provide excellent low-light performance and classify human and vehicle targets using deep learning algorithms. The security team can use built-in strobe light and audio alarms to warn off intruders. Additionally, 33 units of the [2 MP Fixed Bullet Network Camera](#) (DS-2CD3021G2-LIUF) and two 2 MP Built-in Mic Fixed Turret Network Cameras (DS-2CD1323G0-IUF) ensure comprehensive coverage of public areas.

All footage is recorded and stored by a [64-channel 2U 4K NVR](#) (DS-9664NI-M8), and managed via the [HikCentral Professional platform](#), which serves as the central hub for device, video, and access authentication list management.



The benefits

Enhanced security, seamless access, and operational efficiency

Residents now enjoy enhanced security and convenience. The contactless access system ensures secure and seamless entry, while anti-tailgating measures prevent unauthorized individuals from entering. The video intercom system simplifies visitor management, allowing residents to identify and grant access to guests or delivery personnel from their homes. Meanwhile, the elevator integration adds an extra layer of security, controlling movement between floors, and the 24/7 video security system provides peace of mind in a well-protected environment.

For Dennis, the Apartment Manager at Deluxe Residences, the centralized platform provides real-time monitoring and management of all systems. Instant alerts and notifications ensure quick responses to any security incidents, improving operational efficiency.

“Hikvision’s smart building solution has transformed Deluxe Residences into a model of modern, secure, and convenient urban living,” said Dennis. “By addressing our specific needs with a tailored solution, we’ve strengthened safety and improved efficiency. Residents now enjoy a living experience that prioritizes their security and comfort, making Deluxe Residences a top choice for urban professionals in Singapore.”



Deluxe Residences has proven the power of smart building solutions. By using Hikvision’s advanced technologies, the residence has created a secure, efficient, and modern living environment. As smart building solutions continue to evolve, Deluxe Residences serves as an example of how AI-powered Internet of Things (AIoT) can enhance urban living.



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--- Dennis, the Apartment Manager at
Deluxe Residences

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