

AIPHONE SOLUTION SHOWCASE

Adding Security and Communication to a High-Rise Building Complex



THE SCENARIO

In the heart of the city, construction had begun on a striking skyscraper, destined to become a city landmark with its stylish and futuristic exterior design. The building was planned to accommodate a hotel, residential apartments, offices, and commercial facilities. The design consultant was especially focused on ensuring that the interior design harmonized with the building's stylish exterior. They had a strong desire for a sophisticated and stylish intercom room station as an integral part of the interior design.

To enhance security, an intercom system was needed where front desk staff would manage initial interactions with visitors. Visitors and residents would only communicate if residents granted permission. This required an intercom system capable of implementing these features.

The building consultant was looking for a state-of-the-art system that would allow front desk staff to call residents/tenants not only to the room station but also to their smartphones. This was highly convenient, as residents/tenants can respond immediately with their smartphones, eliminating the need to go to the room with the intercom, or they could answer the call even when they were out of their apartment/office.

Due to the building's height exceeding 40 floors, the intercom system needed to cover extensive communication distances between the entrance, front desk, and each apartment and office. Conventional intercom systems, with their limited communication range, could not meet this requirement.

The owner selected an advanced IP video intercom system with a sophisticated and stylish intercom room station blending with futuristic exterior design.

THE SOLUTION

Based on the design consultant's recommendation, the owner selected an advanced IP video intercom system that met the project's requirements. Prior to the owner's decision, the design consultant was shown an actual intercom system during a presentation and greatly appreciated the stylish design of the entrance and room station, which influenced recommendation of the system.

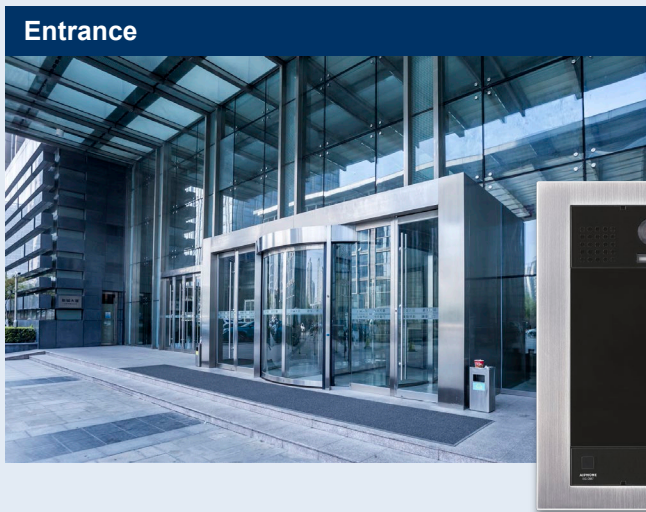
The desired communication mode was achieved using the IP video intercom system's transfer function. When visitors called from an entrance station to a guard station, a staff member verified the purpose and, upon approval, used the transfer function to connect the visitor directly with the resident for communication.

The IP video intercom system has a mobile app that allows smartphones to be used as room station. When a staff calls, the call is sent to both the room station and the mobile app, enabling video communication inside and outside the apartment.

An IP-based intercom system can be deployed not only within a skyscraper but also across various locations, regardless of physical distance. The system operates without concerns about communication distance limitations.



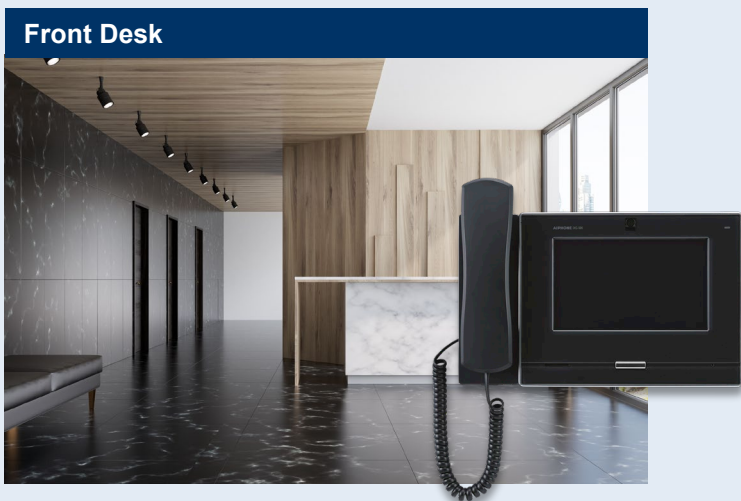
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To enhance security, residents could communicate with only accepted visitors through security guards.

THE BENEFITS

- A sophisticated and stylish intercom design garnered favorable reviews, aligning perfectly with the landmark building's aesthetic
- The "Transfer function" at the guard station enhanced security by screening visitors before allowing direct communication with residents
- The mobile app enabled residents/tenants to respond to calls from the guard station even when they were outside of building
- The network-based intercom system eliminated concerns about wiring distances



System configuration Example

