

VIGI and Omada Enable a Remote Digital Learning Environment for With-people's 10-Story Building in Korea

Project Scope

The integrated network and security monitoring solution was deployed throughout all classrooms, common areas, and outdoor spaces within a 10-story building. Alongside this, a CCTV system optimized for live lecture streaming was provided to support real-time education.

Customer Profile

Name: With-people
Industry: Education
Location: Busan, South Korea

Solutions

- VIGI C220I ×248
- VIGI C540V ×10
- VIGI S345ZI ×50
- VIGI NVR4032H ×12
- SG3428XF ×1
- SG3428 ×23
- SG3428MP ×21
- EAP 610 ×88
- EAP 620HD ×13
- EAP610-Outdoor ×2
- OC300 ×8

with-people Academy built a comprehensive network and security monitoring system throughout its entire 10-story building based on the Omada & VIGI integrated management solution. Utilizing Omada Central, all devices are managed 100% centrally on a single platform, creating a smart and efficient learning environment.



100% Centralized Management – Omada Central

Managing network and CCTV systems separately often leads to duplicated labor and higher costs. However, Omada and VIGI offer exceptional compatibility and stability, enabling efficient unified operation. Omada Central allows the academy to centrally manage every network and CCTV device from a single interface, enabling real-time data monitoring and anomaly detection for swift, accurate responses. This has significantly enhanced management efficiency and operational stability, maximizing the effectiveness of the digital education environment. Reliable network infrastructure enables HD lecture streaming and smooth connectivity across devices, enhancing educational service quality. The integrated management system based on Omada Central streamlines both network and security operations and contributes greatly to maintaining a stable learning environment. Students enjoy smooth, high-quality live streaming for classes, while administrators monitor devices and network health in real time, ensuring swift response and a smarter learning environment.

Customized Network and Security Solutions Tailored to User Environments

With-people Academy spans multiple floors with classrooms of varying sizes, corridors, and common areas, each requiring different network and CCTV setups based on their specific purpose and layout. The classrooms are separated by thick soundproof walls, which can cause signal shadows and interference with typical installations. Omada and VIGI proposed a tailored product configuration and installation plan optimized for the building's structure and space usage. This enabled a wireless network environment with seamless coverage between classrooms and a CCTV security system with no blind spots in corridors and common spaces. As a result, network performance and security were optimized for each area, allowing both students and staff to enjoy a comfortable and secure digital learning environment.

High-Density Network Optimized for Digital Education

With approximately 3,000 students and instructors connecting simultaneously via various mobile devices, with-people Academy runs a large-scale digital education environment that demands highly stable network connections.

Omada uses OFDMA and MU-MIMO to support many users at once without speed degradation, ensuring fast, reliable wireless access for smooth lecture streaming and multi-device connectivity across the academy.

with-people Academy has expressed high satisfaction with the stability and performance of Omada's wireless infrastructure, which enhances focus and efficiency in the classroom.

Real-Time Lecture Streaming and Remote Education with VIGI Insight S345ZI

To broadcast the same lecture simultaneously across classrooms in different buildings, with-people Academy operates a system that transmits the main lecture room video to monitors in other rooms.

VIGI Insight S345ZI is used to stream high-definition video in real time, offering smooth frame rates and high resolution optimized for live streaming. Even when zoomed in, the system maintains clear detail without quality loss or delay, delivering immersive, high-quality lectures to students.



Reliable 24/7 Security with No Blind Spots

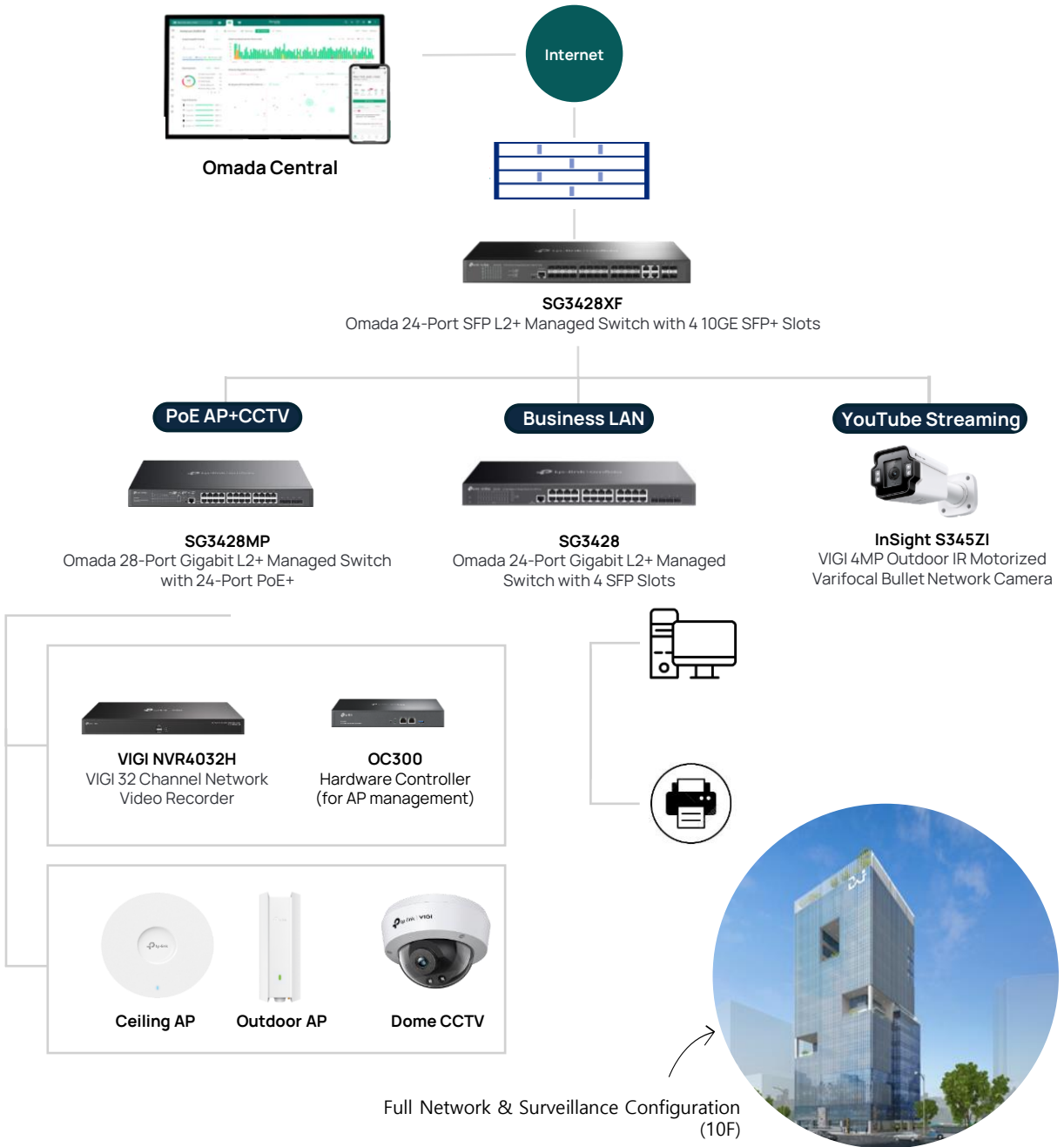
To ensure the safety of students and staff, with-people Academy implemented a high-performance VIGI CCTV solution that provides continuous, blind-spot-free security coverage. VIGI CCTV delivers excellent performance at a reasonable price, streaming high-quality video for real-time monitoring of key areas around the clock. Additionally, remote real-time monitoring through app and web platforms allows administrators and operators to check the academy's status anytime, anywhere, contributing to high user satisfaction.





By enabling efficient coordinated operation of network and security systems through the unified management platform Omada Central, Omada and VIGI have significantly reduced operational time and costs for educational institutions. Combining the essential elements of digital education – stability, scalability, and ease of management – Omada Central stands as the optimal solution for future-ready educational environments.

–WP Gwasaramdeul



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