High-Definition Monitoring System and Full-Covered WiFi Services for Upscale Hotel in Zhuzhou

❤ END-CUSTOMER GENERAL PROFILE

Name: Xiao Xiang Court Hotel

Industry: Hotel

Capacity: 200 Guest Rooms, Meeting Rooms, Banqueting Rooms, Dining Hall, Gym

Location: Zhuzhou Road, Tianyuan District, Zhuzhou, Hunan, China

❤ Used Products

- Turret Network Cameras
- Bullet Network Cameras
- Pan & Tilt Network Cameras
- Network Video Recorders (NVRs)
- Switches
- Access Points (APs)
- Router

❤ BACKGROUND

Xiao Xiang Court Hotel is a Chinese palace-themed hotel. It is located in the center of the Zhuzhou trading area, enjoying convenient transportation and beautiful environment. As a luxury hotel, it provides customers with more than 200 guest rooms while hosting large-scale banquets and meetings with balconies, meeting rooms, and dining halls.
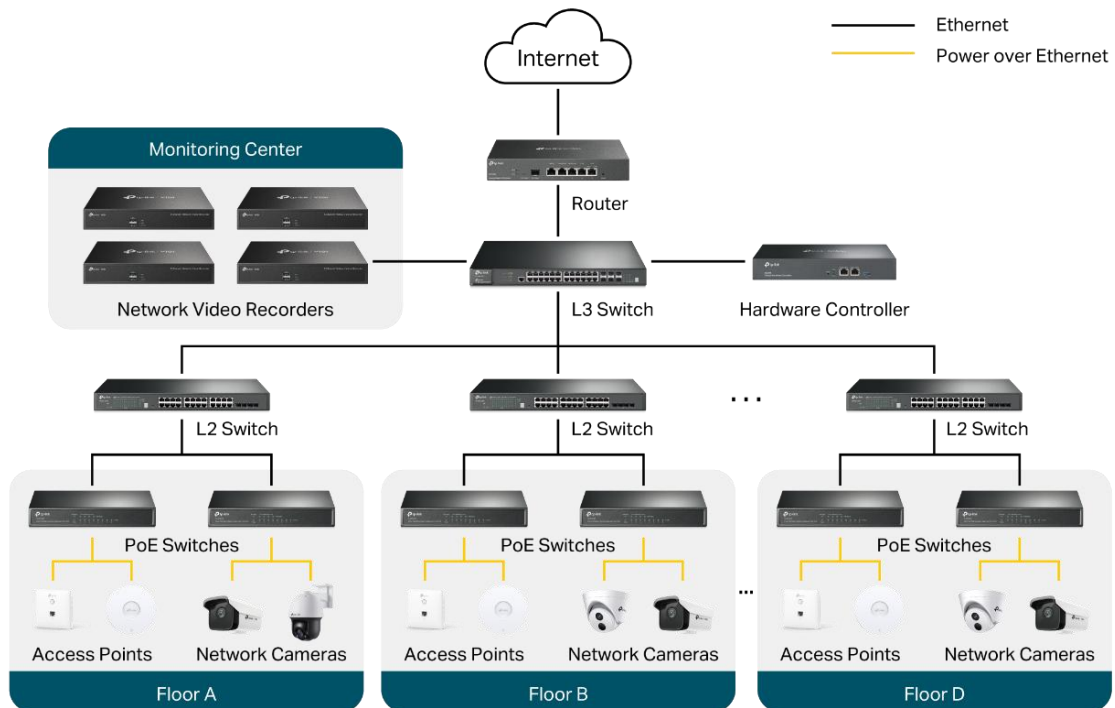
❤ CHALLENGE & SOLUTION

Xiao Xiang Court Hotel's demand is to develop their network and surveillance systems before establishing their business. TP-Link provided a custom solution based on its detailed requirements and environment.
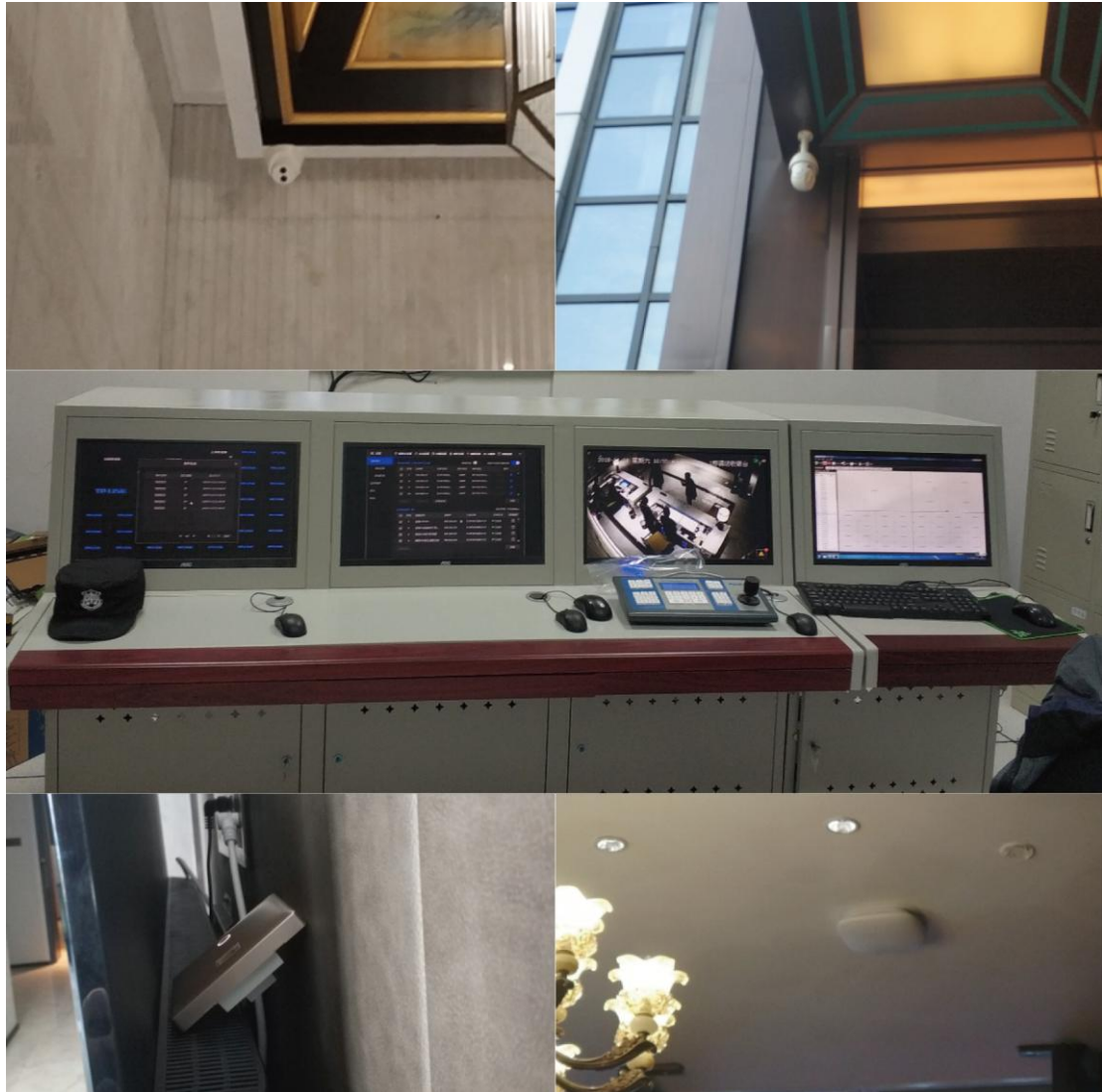
Challenges/Requirements	Solutions
• All public areas in the hotel should be clearly monitored, with no blind spots. • Flexible monitoring view is	• Versatile cameras are well adopted in different scenarios for full coverage, including bullet, turret, and pan & tilt cameras. • Pan & tilt cameras are deployed at the entrance to monitor the large area with 360° full vision, auto-tracking, and

needed for large areas, such as the entrance.	smart scanning. • Super high definition (3MP+) helps better recognize objects and people.
• Cameras should record clear sounds in case of disputes in the checkout counter, elevator, and bar.	• Built-in microphone records voice clearly while speaker enhances two-way audio for real-time communication.
• Video footage must be stored for at least one month to satisfy regulatory requirements.	• Smart video coding (H.265+/H.264+) saves high-quality footage while taking up less space. • NVR supports large hard disks (up to 10TB per HDD).
• The hotel had different wireless demands in various scenarios, such as high-density Wi-Fi in meeting rooms and full-coverage wireless signals for all guest rooms.	• Access Points provide wireless access for each guest room, and wireless signals are no less than -75 dBm. • MU-MIMO increases capacity in high-density environments, such as the hall, meeting room, and restaurant, to support more devices simultaneously. • Dual-band APs and Seamless Roaming support a super-fast, uninterrupted wireless network.
• Network authentication should support using social accounts for network security and promotion needs.	• Administrators can easily configure Portal Authentication and customize the landing page for advertising and promotion.

❤ Topology

❤ Device Deployment

❤ Related Recommended Products

VIGI C300P

VIGI C400P

VIGI NVR1016H