



Industry
Hospital

Location
Pakistan

Solution
Entrance Control

Entrance Control For Military Hospital in Pakistan

Project Introduction

Military Hospital Rawalpindi is one of Pakistan's premier healthcare institutions, renowned for providing advanced medical care to armed forces personnel, their families, and civilians. Strategically located in Rawalpindi, the hospital is equipped with state-of-the-art facilities and highly skilled medical professionals, ensuring comprehensive healthcare services. Its commitment to excellence and innovation makes it a cornerstone of the nation's medical infrastructure.

ZKTeco, a leading manufacturer and supplier of vehicle entrance products, was presented with an opportunity to deliver an effective entrance management solution for this esteemed institution.

Project Location:

Rawalpindi, Pakistan

Requirement

Military Hospital Rawalpindi required a complete vehicle entrance management system that could enhance user experience and provide comprehensive record management. The hospital aimed to streamline vehicle access for patients, staff, and visitors while ensuring security and efficient monitoring of vehicular movements.

Solution Details

To address the requirements of Military Hospital Rawalpindi, ZKTeco implemented a customized solution involving advanced hardware components. The following hardware was utilized in this entrance control project:

ZKTeco

Hardware Specifications

1. BG 1045 (14 units)

- Type: Barrier Gate
- Opening Speed: 1.5 seconds, allowing for rapid vehicle access and reducing wait times, which enhances the flow of traffic during busy periods.
- Durability: Constructed from high-quality materials, ensuring long-lasting performance even in harsh weather conditions.
- Safety Features: Equipped with anti-collision mechanisms that prevent accidents, providing a secure environment for both vehicles and pedestrians.

2. C3-200 (14 units)

- Type: Access Control Panel
- User Capacity: Can manage up to 30,000 users and 100,000 event records, allowing for extensive monitoring and management of vehicle access.
- Integration Capability: Supports multiple communication protocols (TCP/IP, RS485, Wiegand), which facilitates seamless integration with existing systems and enhances operational efficiency.

3. UHF 10 Pro (7 units)

- Type: UHF RFID Reader
- Reading Range: Up to 10 meters, enabling quick and efficient identification of vehicles without the need for drivers to exit their vehicles, thus improving user convenience.
- Fast Data Processing: Low latency in data transmission ensures that vehicles are processed swiftly, further minimizing delays at entrance points.

Advantages of the Hardware and Their Performance

1. Enhanced Security:

The BG 1045 barrier gates, with their quick opening speed and durable construction, provide robust security while allowing legitimate vehicles to enter swiftly. The anti-collision feature ensures that any unexpected obstacles are detected, preventing accidents.

2. Improved User Experience:

The UHF 10 Pro reader's long-range capability allows for contactless vehicle identification, enhancing convenience for users and reducing wait times. This is particularly beneficial during peak hours, ensuring a smooth flow of traffic into the hospital.

3. Comprehensive Record Management:

The C3-200 panel's ability to handle a large number of users and events allows for effective monitoring of vehicle entries and exits. This data can be utilized for security audits and operational improvements, ensuring that the hospital maintains a high standard of security and management.

4. Scalability and Flexibility:

The integration capabilities of the C3-200 allow for easy expansion of the system in the future. As the hospital grows, it can incorporate additional access points or integrate with other security systems without significant additional investment.



5. Cost-Effectiveness:

The combination of efficient hardware that minimizes operational delays and maximizes security ensures that the hospital can manage vehicle access effectively without incurring excessive costs. The durability of the equipment also means reduced maintenance and replacement costs over time.

Conclusion

Type	Product	Quantity
Software	Customized	-
Hardware	BG 1045	14
	C3-200	14
	UHF 10 Pro	07

Photo Gallery

