

Entrance Control Solution of Tay Thien Scenic Area in Viet Nam

Industry

Entertainment

Location

Viet Nam

Solution

Entrance Control

About Client

Tay Thien Scenic Area, located in Tam Dao District, Vinh Phuc Province, is a unique cultural and spiritual complex where the worship of Mother Goddesses and Buddhism harmoniously converge. Renowned for the Truc Lam Tay Thien Zen Monastery and the Upper Temple dedicated to National Mother Lang Thi Tieu, this area features a rich collection of ancient temples and pagodas set amidst majestic mountains. Tay Thien serves as a sacred pilgrimage site and captivates visitors with its pristine natural landscape and tranquil atmosphere.

Requirement

To improve visitor management and operational efficiency, Tay Thien Scenic Area sought to implement an automated access control solution. Currently, visitors must present valid tickets for entry, which are verified manually by staff at the gates. This method is labor-intensive and prone to errors, leading management to request a more efficient system capable of enhancing the customer experience while reducing operational costs.

Solution

To meet the unique demands of this popular tourist destination, ZKTeco implemented a state-of-the-art access control system featuring:

TS2000 Pro Tripod Turnstiles: Installed at entry points to create an intelligent multi-lane access setup.

QR500 Code Readers: Each lane is equipped with a QR code reader, enabling visitors to scan their QR-coded e-tickets for swift and seamless entry.

Automatic, Efficient Entrance Control

The automated system allows for:

Semi-automatic Operation: Users gently push the arm after authorization, streamlining flow speed while ensuring security.

Multi-lane Configuration: The TS2000 Pro can be easily configured into multiple lanes, accommodating high volumes of visitors seamlessly.

Fast Processing Speed: With quick QR code scanning capabilities, the system ensures smooth visitor movement and alleviates congestion during peak times.

High Durability & Stable Operation in Harsh Weather

Given the scenic area's outdoor setting, the access control system must withstand harsh environmental conditions. The TS2000 Pro tripod turnstile is designed for durability, capable of reliable operation in adverse weather.

Durability Standards: Factory-tested before shipment, the turnstile boasts a Mean Cycles Between Failures (MCBF) of up to 1 million cycles, ensuring long-term stability.

Material Construction: Made from SUS304 stainless steel, the device is adept for indoor or sheltered outdoor environments, functioning reliably in temperatures ranging from -28°C to 60°C and humidity levels of 5% to 80% (non-condensing).

Ease of Use: With a semi-automatic mechanism, the arm can be gently pushed open after authentication for a smooth passage.

Preventing Unauthorized Access

Fraudulent attempts, such as one person purchasing a ticket that multiple friends attempt to use, challenge the effective management of visitor access. Even with staff present, verifying each individual's ticket during busy periods is nearly impossible. This highlights the need for intelligent access control features to ensure secure and efficient entry.

Anti-passback Feature: This advanced feature helps prevent unauthorized repeated access. The system can detect and reject attempts to reuse tickets or access codes, allowing only valid entries.

Security Measures: When a violation occurs, the system promptly blocks access and alerts management, facilitating timely interventions and reinforcing security protocols.

Configuration

System	Type	Model
Entrance Control	Tripod Turnstile	TS2000 Pro
	Controller	Inbio Pro
	QR Code Reader	QR500



V1.0 12/11/2025