Prison Integrated Security Solution V1.0

See Far, Go Further
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1. Vertical Requirements Analysis
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Ensure the safety and stability of the prison environment

**Requirement Analysis**

**People**
- Criminals in jail
- Prison Guard
- Outside Visitor

**Vehicle**
- Internal fixed vehicles
- Outside vehicles

**Environment**
- Environmental safety
1. Vertical Requirements Analysis

2. Solution Introduction

3. Successful Cases
Solution Overview

- Labor Area
- Hospital
- Prison 1
- Prison 2
- Prison 3
- Mess
- Prison 4
- Prison 5
- Interview room
- Control center
- Perimeter
- Entrance & Exit
- Total Solution

Solution Overview

- Public Area
- Indoor Area
- Monitoring Center
- School
- Total Security Solution
Perimeter Protection - DeepInView & DeepInMind

- Cross-border Invasion
- Regional Invasion
- Real-time monitoring and alarm,
- Prevent the invasion of theft
- The secondary target recognition based on the Deep Learning

The perimeter of prison is always regarded as an important place that needs more security concern;

Traditional perimeter protection sometimes comes up a lot of false alarm, that confuse security a lot, with deep learning algorithm and secondary false alarm filter, increase alarm accuracy;
Perimeter Protection - Thermal

Environmental Suitability
Adapt to poor environment such as darkness, strong or back light, fog and haze

Concealed Detection
Easier to find suspects, effectively detect and see hidden objects among darkness or in the grass

Ultra Detection
Compare to optical camera, thermal has much longer detection distance

High Alarm Accuracy
Provide 7 x 24 online real time alarm with high accuracy
Normally vehicles entering the prison gates needs a careful check, and also record the vehicle license plate, in case of abnormal event occurs.
- Automatically detect the vehicle bottom
- Synchronize LPR camera data with Under Vehicle picture
- Suitable for various vehicle models, whole bottom of vehicle in one picture
- High-strength structure
- High-quality picture, low distortion
PanoVu series 360° Panoramic + PTZ Camera

- 360° PANORAMIC + PTZ CAMERA
- 8 x 2MP panoramic view + 2MP PTZ view
- DarkFighter technology
- Smart tracking, smart detection
Public Area – Emergency Alarm

- All In One
- HD Video
- Emergency Button
- Two-way Audio
- Broadcast

Diagram:
- VMS
- Switch
- Network Cable
- BNC
- RVV 2*1.0
- VGA
- Pole Panic Alarm Station
- Box Panic Alarm Station
- Panic Alarm Station
Indoor Area – Access Control management

Staff & Prison Guard Management
Indoor Area – Access Control management

HikCentral

PC Client

Card Issuer

USB Camera

Local Area Network (TCP/IP)

Traditional Access Control

Controller

FP Reader
Card Reader

Lock
Exit Button

Standalone Terminal
Safety Module

Facial Access Control

Face Access Module

Face Access Control Terminal

Lock

Hikvision Turnstile

3rd Party Turnstile

DeepinGo I/O output module

UTP
RS-485
Wiegand
USB
RVV
Personnel Access Management – Face Authentication

Door Authentication

- 7-inch LCD touch screen to display operation interface, etc.
- High performance processor with deep learning algorithm.
- Max.10000 face pictures capacity.
- Face recognition distance: 0.3 m to 1 m.
- Face recognition duration less than 0.5s.

Turnstile Authentication

- 10.1 inch LCD Touch Screen.
- 2MP Camera, 1080P, automatic focusing and self-adapt to different statural people.
- 10,000 faces, 50,000 cards and 50,000 events.
- adopt deep learning algorithm, faster and more accurate.
- Face Recognition Distance: 0.3m ~ 1m.
- Face Recognition Duration(1:N) ≤ 0.6s.
Monitoring Center – Scenario Overview

Video Wall:
- Preview
- Playback
- Alarm

Division Mode:
- Joint
- Dividing
- Window
- Roaming

Network Keyboard
Monitoring Center - Smart Wall

- Remote Client
- Web Client
- Mobile Client
- HikCentral
- Analog Cameras
- DVR
- IPC
- NVR
- Keyboard
- Decoder
- Controller
- Video Wall

- Live View
- Playback
- Alarm Linkage

- Single
- Joint
- Division
- Roaming

- Network Video Recorder (NVR)
- Digital Video Recorder (DVR)
- IP Cameras (IPC)
- Analog Cameras
Alarm automatically pops up

Push to Smartwall

See the location of the camera on the E-map

Switch between live view & playback

Easy switch when multiple alarms happen at the same time

Go to Alarm Time | Live View

Display on Smart Wall

Push to Smartwall

Control Client

Monitoring Center - Alarm Management - Alarm Display
Monitoring Center - Maintenance

How to get awareness and take quick reaction to these errors?

1. Check the health monitoring module
   - Centralized display of health data of the overall system in dashboard, easily justify the health status of the system
   - Quickly identify the server and device issues via the related link to help resolving problems quickly
   - Easy and free tool to provide elementary system maintenance service for large scale projects

2. Details checking on abnormal items
   - List of the abnormal items will be shown here
   - List category contains camera, door, recording server, encoding device, access control and decoding device
   - Check the abnormal items in detail and try to find the cause

3. Fix the problems
   - Network accessible?
   - Power on?
   - User name & password correct?
   - HDD normal?
   - Recording schedule correct?
   - Running too many applications?
   - ....
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Thank You