

A background image showing three construction workers wearing yellow hard hats and blue plaid shirts. They are holding and looking at a large set of blueprints. In the background, a construction crane is visible against a bright sky.

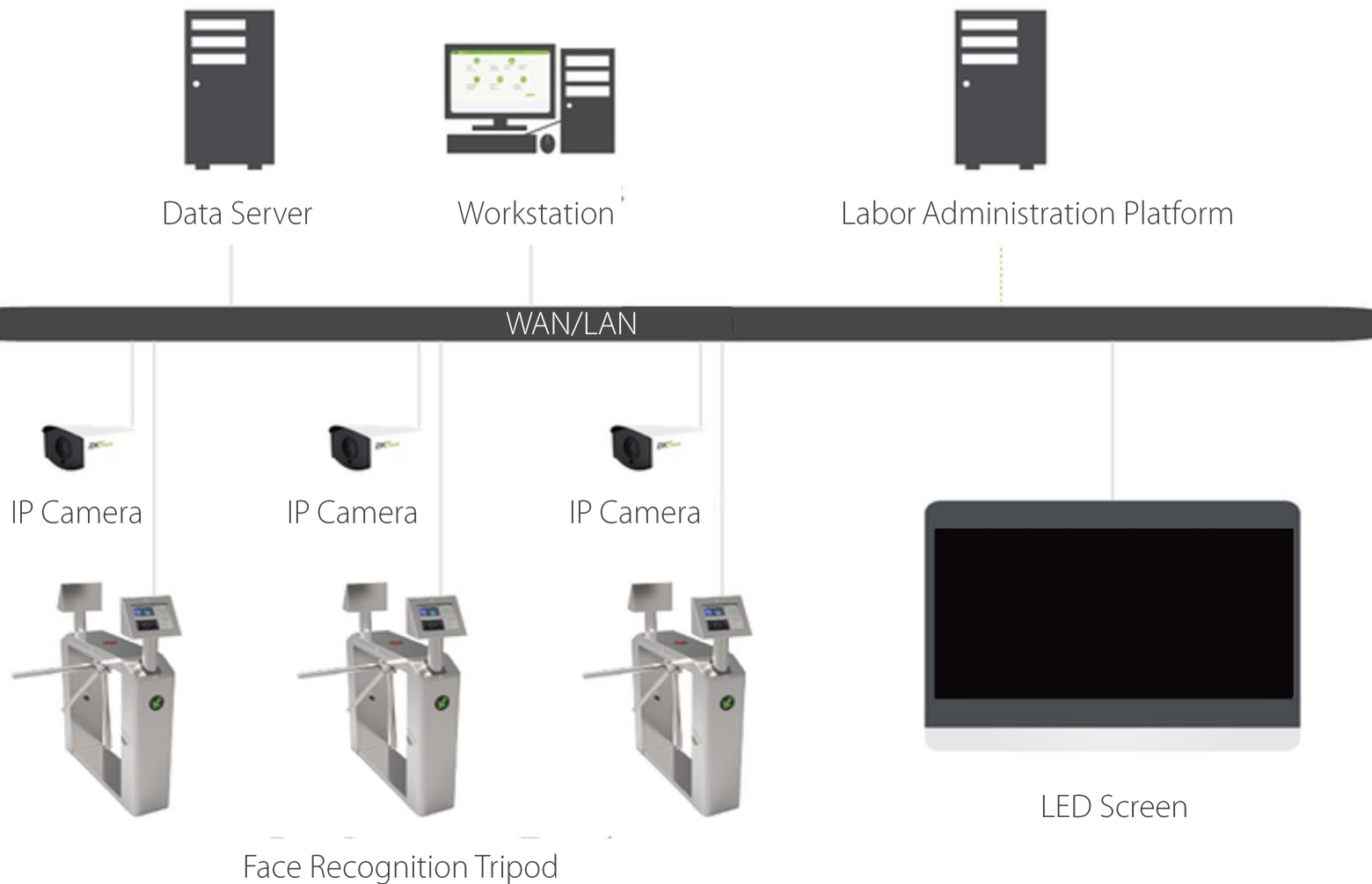
ZKBioSecurity Smart Construction Site Entrance Control Solution



Solution Description

Smart construction site entrance control solution is integrated entrance management solutions based on ZKTeco hybrid-biometric verification technology. With ZKBioSecurity 3.0 software and entrance products. It provides a set of intelligent management and monitoring entrance solutions for construction site, enhances the safety of the enterprise and ensures the safety of employees.

All In One Web-Based Security Management



ZKTeco's smart construction site security solution consists of ZKBioSecurity software, entrance control products, InBio controllers, surveillance, data servers, monitoring computers, and LED screen hardware. The site staff needs face recognition verification to pass the turnstile.

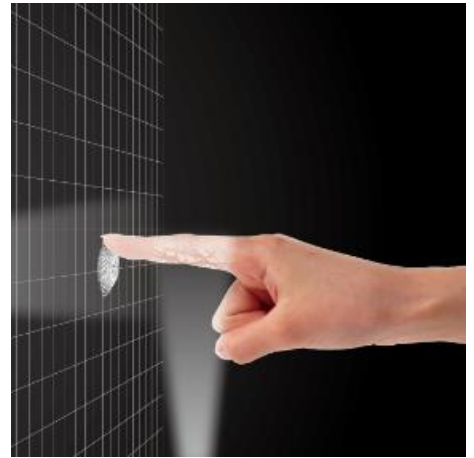
At the same time the verify information can synchronize display on LED screen.

Also, the surveillance system captures the entire process picture and send the picture to monitoring computer for comparison. Finally, the record can be uploaded to data servers through the InBio controller and ZKBioSecurity 3.0 software.

Hybrid-Biometric Verification Technology

ZKTeco Fingerprint + Finger Vein Biometrics

Using visible light and near-infrared illumination to capture fingerprints and to obtain the blood vessel patterns inside the fingers respectively in order to process individual identification and verification.



HybridBio Palm Identification

Using near-infrared illumination and sensors to capture palms' principal lines, wrinkles, and palm veins' patterns in order to process individual identification and verification.



Iris + Face Biometrics

Using near-infrared reflectance and sensors to capture features of individuals' irises in order to process individual identification and verification.



LED Function ZKBioSecurity 3.0



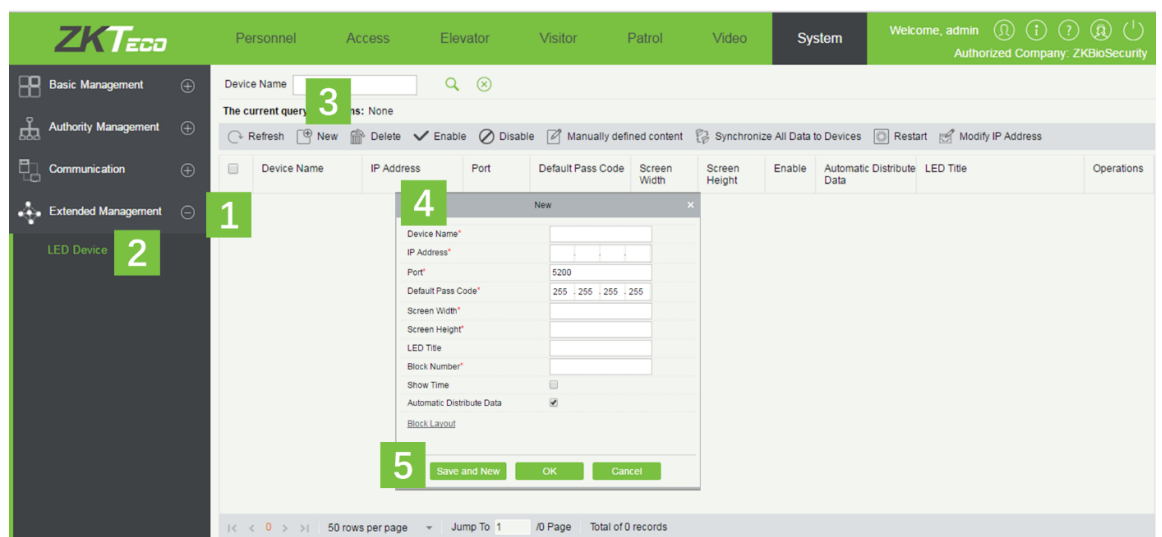
The image shows the ZKBioSecurity 3.0 User Login interface. It features a dark grey header with the ZKBioSecurity logo. Below the header, there are two tabs: 'User Login' and 'Person Self-Login'. The 'User Login' tab is active. The login form includes a 'Username' field, a 'Password' field, and a checkbox for 'Automatic login within two weeks'. There is a 'Login' button with a key icon and a 'Fingerprint' button with a fingerprint icon. A 'Forgot Password?' link is also present. At the bottom, there is a ZKTeco logo and copyright information: 'ZKTeco Inc. Copyright ©2008-2017. All Rights Reserved. About Help Customer Service'.

ZKBioSecurity 3.0 is our newly developed all-in-one web based security software. It supports not only access control function, but also third-party linkage. With a supported device capacity of 8,000, it is a versatile and worthy option to safeguard your company.

ZK-LED Models Introduction

LED Model Operations

1. Extended Management
2. LED Device
3. New
4. LED information
5. Save and Now



The image is a screenshot of the ZK-LED Models Introduction interface. It shows a sidebar with a tree view containing 'Basic Management', 'Authority Management', 'Communication', and 'Extended Management'. The 'Extended Management' folder is expanded, showing 'LED Device'. The 'LED Device' folder is selected, and the 'New' button is clicked. A 'New' dialog box is open, showing fields for 'Device Name*', 'IP Address*', 'Port' (5200), 'Default Pass Code*' (255 : 255 : 255 : 255), 'Screen Width*', 'Screen Height*', 'LED Title', 'Block Number*', 'Show Time', 'Automatic Distribute Data' (checked), and 'Block Layout'. The 'Save and Now' button is highlighted. The background shows a table with columns: Device Name, IP Address, Port, Default Pass Code, Screen Width, Screen Height, Enable, Automatic Distribute Data, LED Title, and Operations. The table is currently empty.

Through the LED function module in the ZKBioSecurity 3.0, the LED display screen can display and monitor the access data of the construction site in real time.

1. **Device Name:** Name of the LED device

2. **IP Address:** IP address of LED device

3. **Communication Port:** The default port is 5200.

4. **Default Pass Code:** The default value is 255.255.255.255

5. **Screen Width:** Width of the dot matrix(resolution).

6. **Screen Height:** Height of the dot matrix(resolution).

7. **LED Title:** Select of display is required. If the parameter is left blank

8. **Block Number:** Number of block that the LED is divided into.

9. **Automatic Distribute Data:** By default, this parameter is selected. You send data to the LED in the access control module only when you select this parameter. Otherwise, the content to be sent needs to be manually defined.

10. **.lock Layout:** After you click the block coordinate, the following box is displayed.

Video Surveillance Linkage with Entrance Control

SLK20R

- Stable operation under strong light
- Support live fingerprint detection function
- Large fingerprint capture area and high image performance
- Quick recognition of dry, wet and rough fingers
- High speed USB 2.0
- Low power idle mode
- Available SDK for development



InBio Pro 460

- Truly internal biometric identification
- Advanced access control built-in
- More than door control, can be functioned as lights, alarms and intrusion detection panels



TS2100

- Casework and tripod arms manufactured in SUS304 stainless steel.
- Alloy steel tripod hub.
- Power conservation: electro-magnetic locks remain in "standby mode" until turnstile is activated.
- Drop arm designed for emergency purpose.
- Supports Anti-tailgating.



PT-BA295K4

- H.265/H.264 HD bullet IP camera
- 5.0 Megapixel, 2592x1944@25FPS
- 1/1.8" High-performance CMOS sensor
- 6/8/12mm HD lens, 4pcs array led
- Day/night switch, IR distance: 45-50m
- Support WDR and 3D-DNR
- Support P2P, mobile view



Features

Real Time Statistics and Monitoring

Reports and screens in real-time monitoring and query the whereabouts of personnel.

Safety

The verification methods can be integrated fingerprint, finger vein, face, palm & iris recognition. So that it can provide more safe access control.

Video Surveillance Linkage Registration

Photo record, facilitate management and verification.

Flexible System

The system can flexibly set up and adjust the functions of staff, time period, the validity of the system and the report of the blacklist.

Convenience

Module design for easy installation.

Applications



With ZKBioSecurity 3.0 software and tripod turnstile hardware, ZKBioSecurity smart construction site entrance control solution can effectively control the access information of the construction site and display the verify information on LED screen.

ZKBioSecurity smart construction site entrance control solution can be combined with ZKTeco's hybrid biometric technology, that the employees can use fingerprints, face, iris, finger vein and ID card to pass the verification to enter and exit the site.



WE ARE COMMITTED TO MAKING YOUR COMPANY SAFER

ZKTeco is committed to the field of security for many years. our company provides one-stop solution on biometric entrance and security inspection. We produce Flap Barrier, Tripod Turnstile, Swing Barrier, Parking Barrier, Walking-through Metal Detection etc.

Professional and efficiency have always been our goal, we will continue to strive to provide better solutions to serve our customers, we also hope to hear your advice, give us the direction of progress.

For more information, please visit our website at www.zkteco.com



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