



**YANSENSE® High-Precision RTLS
Software management software
Version 2.5**

Contents

1	LOGIN.....	3
2	OVERVIEW.....	4
2.1	OVERVIEW DASHBOARD	4
2.2	DIGITAL SCREEN	5
3	REAL-TIME POSITIONING.....	6
3.1	2D VIEW	6
3.2	3D VIEW	7
4	SYSTEM SETTINGS	8
4.1	ANCHOR MANAGEMENT	8
4.2	TAG MANAGEMENT	10
4.3	RTLS CONFIGURATION	11
5	ELECTRONIC FENCE	12
5.1	FENCE SETTINGS.....	12
5.2	ALARM RECORD	13
6	HISTORICAL TRAJECTORY.....	14
6.1	TRACK PLAYBACK	14
6.2	TRAJECTORY EXPORT	16
7	AUTOMATED ATTENDANCE	18
7.1	ATTENDANCE PUNCH	18
7.2	ATTENDANCE RECORD	19
8	SECURITY CAMERAS.....	20
8.1	CAMERA SETTINGS	20
8.2	CAMERA LINKPAGE	22
9	OTHER FEATURES	23
9.1	DARK MODE.....	23
10	DOCUMENT MANAGEMENT INFORMATION SHEET.....	24

1 Login

The landing page for a location system is the entry page for users to access and use the location system. This page provides functions such as entering accounts and passwords for user authentication and access to the system. **This page can be customized to meet the specific needs of our customers.**

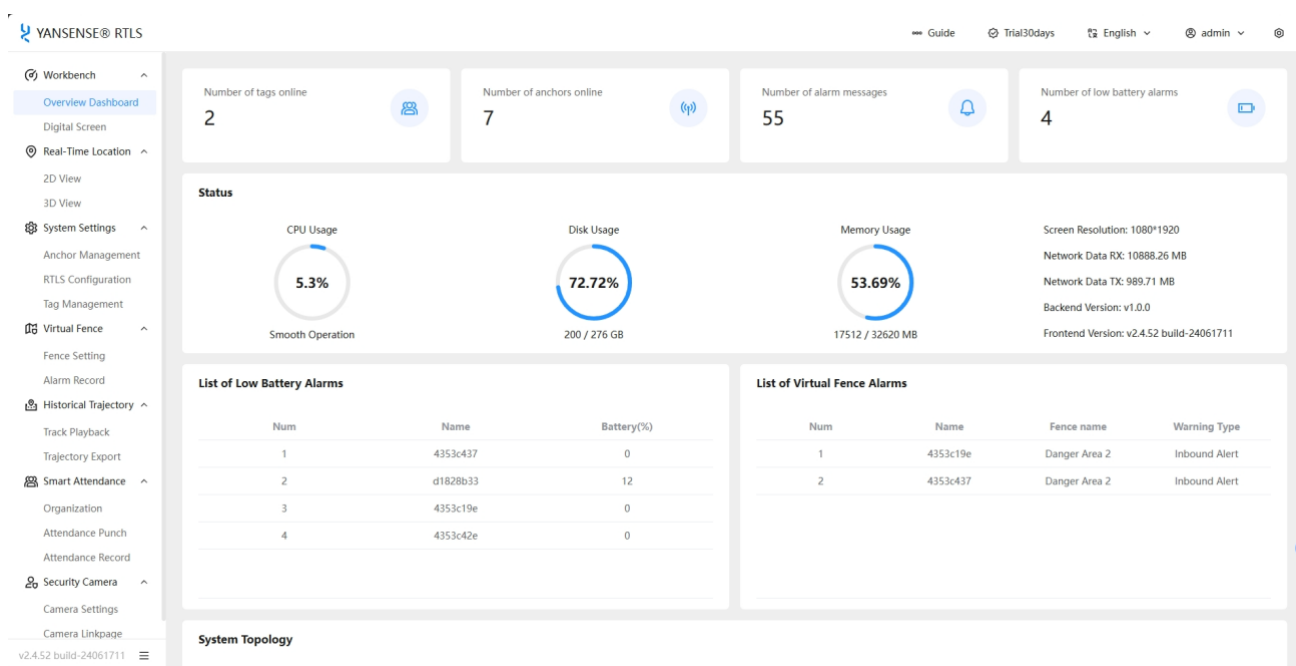


2 Overview

The global overview of the positioning system is a functional page that comprehensively displays and overviews the system status, equipment conditions, and key indicators. On the overview page, users can get a holistic view of the entire positioning system. This includes the health status of the system, device connectivity, key metrics, and real-time data. Users can visualize the overall status of the system and quickly obtain important information. **This page can be customized to meet the specific needs of our customers.**

2.1 Overview dashboard

The Overview Dashboard is a functional module that provides management and viewing of some basic configurations and information of the system. This tab usually includes monitoring information such as system CPU usage, disk usage, and memory usage, as well as the number of online tags, system base stations, alarm information, and low battery alarms.



2.2 Digital screen

The large digital screen presents real-time location IoT information and sensor data information, allowing managers to easily monitor on-site activities, optimize resource allocation, enhance safety, and improve overall efficiency. This enhanced interactivity and visualization provides strong support for smart scenarios, making complex operations more intuitive and efficient.



3 Real-time positioning

The real-time location page is a functional module in the positioning system, which is specially used to display and track real-time positioning tracks based on UWB (ultra-wideband) technology.

This page provides high-precision location capabilities through UWB technology and visualizes the real-time trajectory of moving objects. On the page, the user can see the location points of the moving objects, as well as their trajectory paths in time.

The UWB Live Location Track page typically provides a flat view and a 3D view showing the location points and trajectory lines of the moving object. Users can zoom in, zoom out, and pan the map view to see the moving path of a moving object in more detail.

In addition, the user selects and imports the map data, which is processed, parsed, and integrated into the positioning system.

3.1 2D view



3.2 3D view

The combination of UWB (Ultra Wideband) positioning technology and BIM (Building Information Modeling) technology provides unprecedented accuracy and real-time performance for 3D views. With UWB, indoor positioning accuracy can reach the centimeter level, which means that the real-time location of people, equipment, and assets within a building can be tracked with precision. BIM, on the other hand, provides a 3D model of the building structure, and the two combine to form a powerful tool.

On the large digital screen, managers can see the three-dimensional structure of the building provided by BIM, and at the same time, through UWB technology, real-time personnel and equipment location information is superimposed on the 3D view. This combination enables intuitive visualization of on-site conditions, helping managers make real-time decisions, resource scheduling, and security monitoring. Whether it's a construction site, a manufacturing plant, or a large commercial facility, this combination can dramatically improve operational efficiency and safety, opening up new avenues for smart buildings and smart management.



4 System settings

4.1 Anchor management

Base station equipment management is a key module in the positioning system, which is used to manage and monitor various information and parameters of base station equipment. The module provides management and viewing functions for key information such as the serial number, IP address, MAC address, and XYZ coordinates of the base station.

In base station device management, users can view and record the serial number of the base station, which is the number that uniquely identifies each base station device. Serial number management helps to identify and distinguish different base station devices, which is convenient for troubleshooting and maintenance management.

In addition, the base station device management also provides the management function of the IP address and MAC address of the base station. The IP address is the unique identifier of the base station device in the network, while the MAC address is the physical address of the device. By managing and logging this address information, users can ensure the normal connection of the base station equipment to the network, and perform network configuration and troubleshooting.

The base station device management module also provides the management and viewing of the XYZ coordinates of the base station. The XYZ coordinate represents the position coordinates of the base station device in three-dimensional space, including abscissa, ordinate, and height. By managing the XYZ coordinates of the base station, users can accurately understand the location information of each base station device, which helps to plan and optimize the layout and coverage of the positioning system.

YANSENSE® RTLS

Guide Trial30days English admin

Workbench

- Overview Dashboard
- Digital Screen

Real-Time Location

- 2D View
- 3D View

System Settings

- Anchor Management
- RTLS Configuration
- Tag Management

Virtual Fence

- Fence Setting
- Alarm Record

Historical Trajectory

- Track Playback
- Trajectory Export

Smart Attendance

- Organization
- Attendance Punch
- Attendance Record

Security Camera

- Camera Settings
- Camera Linkpage

v2.4.52 build-24061711

Serial Number: Name:

+ Add anchor Get Anchor List Exportconfig Importconfig

Num	Serial Number	Name	IP	X(m)	Y(m)	Z(m)	Role	Followed By	CCP Delay	Antenna Delay	Request Time	Operate
1	cd78018102a28c16	S7	192.168.3.213	-12.00	0.00	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
2	cd78018102a28b2d	S5	192.168.3.216	0.00	0.00	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
3	cd78018142a28b2d	S11	192.168.3.200	-12.00	11.00	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
4	cd78018102a28c21	S4	192.168.3.214	0.00	5.40	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
5	cd78018142a28c11	M2	192.168.3.197	-10.20	5.40	2.60	Master Anchor	0	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
6	cd78018142a28b81	S12	192.168.3.137	4.80	4.00	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
7	cd78018142a28c16	S10	192.168.3.177	0.00	11.80	2.60	Slave Anchor	cd78018142a28c11	0.00	258.11	2024-04-15 13:42:09	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

4.2 Tag management

The tag management page is a functional module in the positioning system that is used to manage and monitor various parameters and status information of the positioning tag. The page provides real-time control and viewing of tags, giving users a comprehensive view of key information such as tags' location, battery level, temperature, distress signals, and online status.

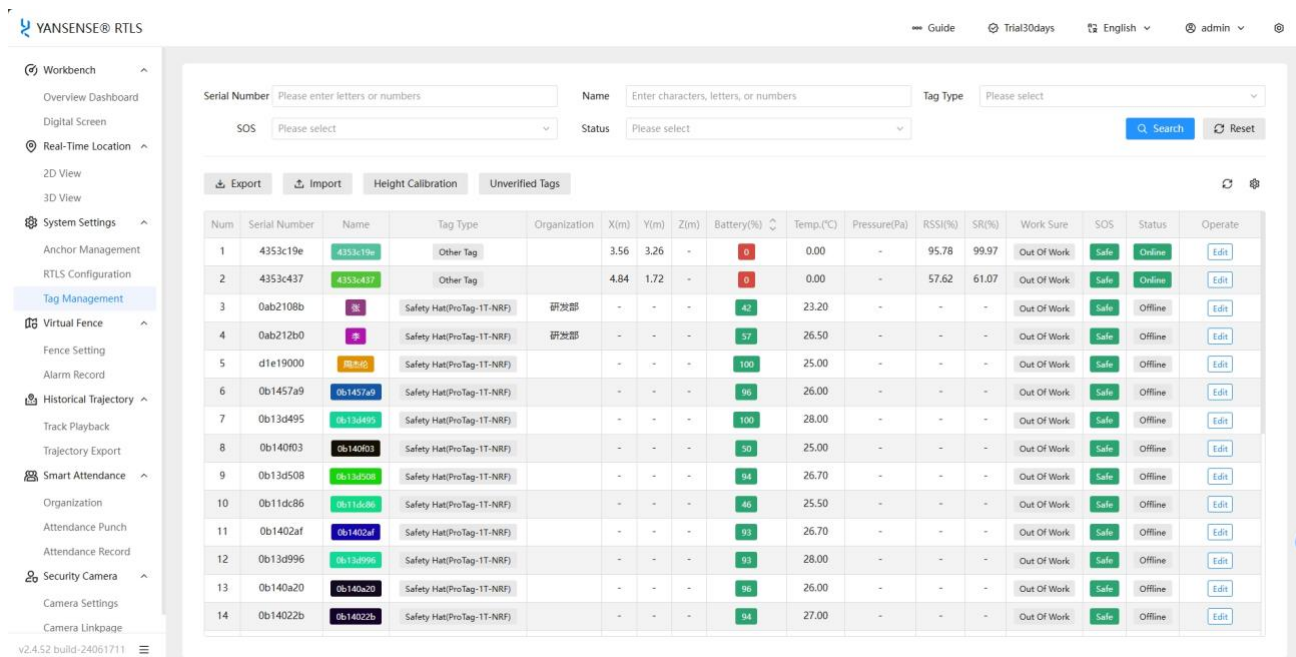
In the tag management page, users can view the XY coordinates of the tag, that is, the position coordinates in 3D space, to know the accurate position and motion trajectory of the tag. This helps to monitor the location and movement of moving objects.

In addition to location information, the tag management page also provides monitoring of the tag's battery level and temperature. The user can check the remaining battery level of the tag, as well as the temperature of the environment in which the tag is located. This information is very important for evaluating the status and operational performance of the equipment, and can detect problems such as low battery or abnormal temperature in time.

The tag management page also provides monitoring of distress signals. If the location tag encounters an emergency, the user can receive the relevant distress signal and take immediate action. This is important for personal safety and emergency rescue.

In addition, the tag management page provides information about the tag's online status. Users can view the connection status of the tag, i.e., whether the tag is online, active, or offline. This helps to ensure that the device is functioning properly and that issues related to the tag connection are detected in a timely manner.

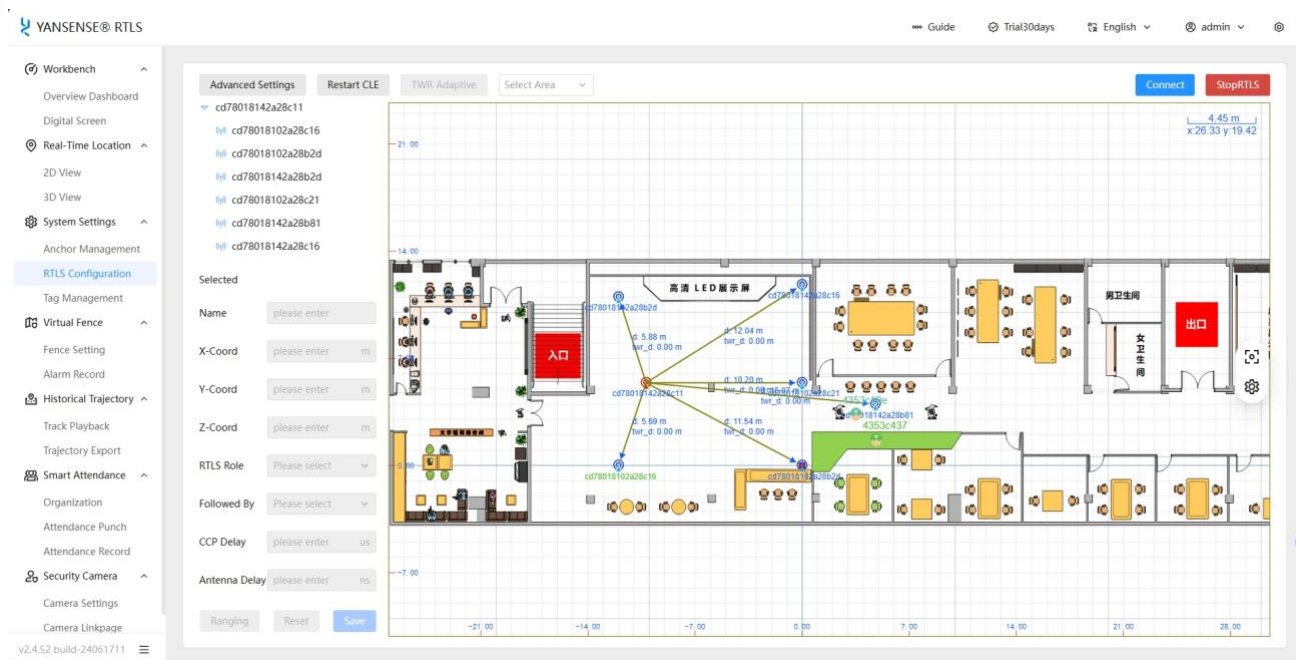
The tag management page provides users with comprehensive management and monitoring capabilities for positioning tags, helping users grasp key information such as tag location, battery level, temperature, distress signal, and online status in real time. This enables users to better manage moving objects, improve security, and optimize operational efficiency.



Num	Serial Number	Name	Tag Type	Organization	X(m)	Y(m)	Z(m)	Battery(%)	Temp.(°C)	Pressure(Pa)	RSSI(%)	SR(%)	Work Sure	SOS	Status	Operate
1	4353c19e	4353c19e	Other Tag		3.56	3.26	-	0	0.00	-	95.78	99.97	Out Of Work	Safe	Online	Edit
2	4353c437	4353c437	Other Tag		4.84	1.72	-	0	0.00	-	57.62	61.07	Out Of Work	Safe	Online	Edit
3	0ab2108b	0ab2108b	Safety Hat(ProTag-1T-NRF)	研发部	-	-	-	42	23.20	-	-	-	Out Of Work	Safe	Offline	Edit
4	0ab212b0	0ab212b0	Safety Hat(ProTag-1T-NRF)	研发部	-	-	-	57	26.50	-	-	-	Out Of Work	Safe	Offline	Edit
5	d1e19000	d1e19000	Safety Hat(ProTag-1T-NRF)		-	-	-	100	25.00	-	-	-	Out Of Work	Safe	Offline	Edit
6	0b1457a9	0b1457a9	Safety Hat(ProTag-1T-NRF)		-	-	-	96	26.00	-	-	-	Out Of Work	Safe	Offline	Edit
7	0b13d495	0b13d495	Safety Hat(ProTag-1T-NRF)		-	-	-	100	28.00	-	-	-	Out Of Work	Safe	Offline	Edit
8	0b140f03	0b140f03	Safety Hat(ProTag-1T-NRF)		-	-	-	50	25.00	-	-	-	Out Of Work	Safe	Offline	Edit
9	0b13d508	0b13d508	Safety Hat(ProTag-1T-NRF)		-	-	-	94	26.70	-	-	-	Out Of Work	Safe	Offline	Edit
10	0b11dc86	0b11dc86	Safety Hat(ProTag-1T-NRF)		-	-	-	46	25.50	-	-	-	Out Of Work	Safe	Offline	Edit
11	0b1402af	0b1402af	Safety Hat(ProTag-1T-NRF)		-	-	-	93	26.70	-	-	-	Out Of Work	Safe	Offline	Edit
12	0b13d996	0b13d996	Safety Hat(ProTag-1T-NRF)		-	-	-	93	28.00	-	-	-	Out Of Work	Safe	Offline	Edit
13	0b140a20	0b140a20	Safety Hat(ProTag-1T-NRF)		-	-	-	96	26.00	-	-	-	Out Of Work	Safe	Offline	Edit
14	0b14022b	0b14022b	Safety Hat(ProTag-1T-NRF)		-	-	-	94	27.00	-	-	-	Out Of Work	Safe	Offline	Edit

4.3 RTLS configuration

The RTLS settings page, similar to the base station management page, provides management and viewing of key information such as the base station serial number, IP address, MAC address, and XYZ coordinates of the base station. On this page, you can more intuitively view and deploy the base station location, and have a preliminary preview of the positioning effect.



Name	X-Coord	Y-Coord	Z-Coord	RTLS Role	Followed By	CCP Delay	Antenna Delay
cd78018142a28c11	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018102a28c16	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018102a28b2d	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018142a28b2d	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018102a28c21	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018142a28b81	please enter	please enter	please enter	Please select	Please select	please enter	please enter
cd78018142a28c16	please enter	please enter	please enter	Please select	Please select	please enter	please enter

5 Electronic fence

The geo-fence option is a geolocation-based technology for setting and managing virtual boundary boundaries. Using UWB or GPS positioning technology, combined with software applications and devices, it can help users monitor and control moving objects in a specific area.

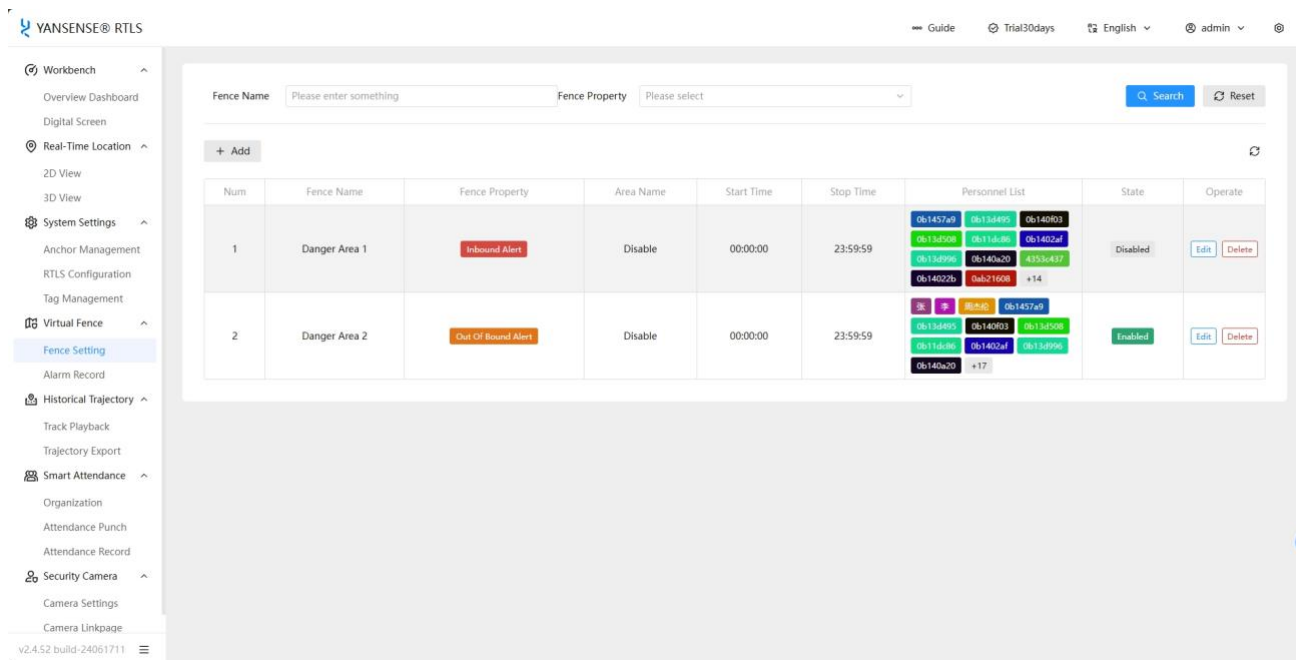
With the Geofence option, users can create custom geographic areas and set the corresponding warning conditions and trigger events. As soon as the monitored object (e.g. vehicle, person, or item) enters, leaves, or moves within the fenced area, the system will be able to detect and trigger the corresponding alarm, notification, or automated action in real time.

Geo-fence options have a wide range of application scenarios. It can be used for fleet management to track and manage the vehicle's range of travel and the situation in and out of the area. In logistics and supply chain management, electronic fencing can help monitor the transportation process of goods, ensure that they are proceeding as planned, and provide real-time notification of exceptions. In addition, electronic fences can also be used for personal security, such as child monitoring, pet tracking, and elderly care.

With the positioning system's electronic fencing option, users can monitor and manage moving objects in a specific area in real-time, improving safety, efficiency, and management capabilities, bringing many potential benefits to various industries.

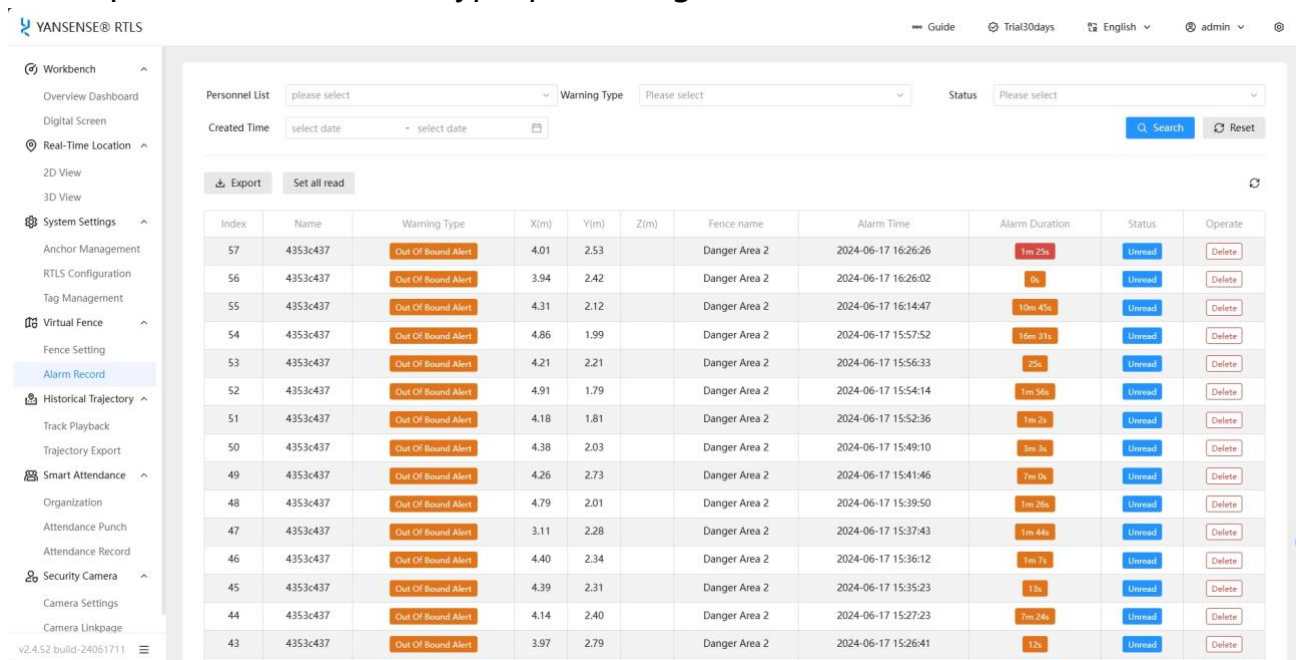
5.1 Fence settings

On this page, you can set the name of the fence, the properties of the fence, the geographic coordinates of the fence, the effective time of the fence, and the person bound to the fence.



5.2 Alarm record

The Alarm Recording tab is a functional module in the positioning system that is used to record and view alarm events and related information that occur in the system. In the Alarm Records tab, users can view a list of alarm records with detailed information about the various alarm events that have occurred. Each alarm record typically includes the alarm time, alarm type, alarm location, and related additional information. You can search and filter alarm records based on filter conditions such as the person's name, alarm type, processing status, and creation time.



6 Historical trajectory

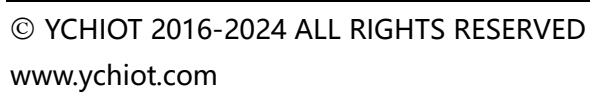
6.1 Track playback

The Historical Trajectory option for the positioning system is a powerful technique for recording and playing back the trajectory of moving objects over the past time. The Historical Track option collects and stores information about the location of moving objects for later analysis and viewing.

Using the Historical Track option, users can get a detailed record of the location of a specific moving object over the past time. These records can include time, speed, direction, and relevant information about a particular place or event. Through a visual interface or specific software tools, users can replay the trajectory of a moving object on a map and gain insight into its behavior and path.

The historical trajectory option has a wide range of applications across industries. In the field of logistics and transportation, it can help enterprises track the route and time of cargo transportation, optimize transportation efficiency and arrangement. For service and dispatch work, historical tracks can provide a record of employees' work paths and behaviors to ensure reliable and efficient task execution. In addition, historical trajectories also play a role in the personal realm, such as motion tracking, travel records, and the safety of family members.

With the historical trajectory option of the positioning system, users can obtain useful information about the past trajectory of moving objects, allowing for better analysis, planning, and decision-making. This technology provides a wealth of data resources for various industries and provides users with deeper insights and management capabilities.



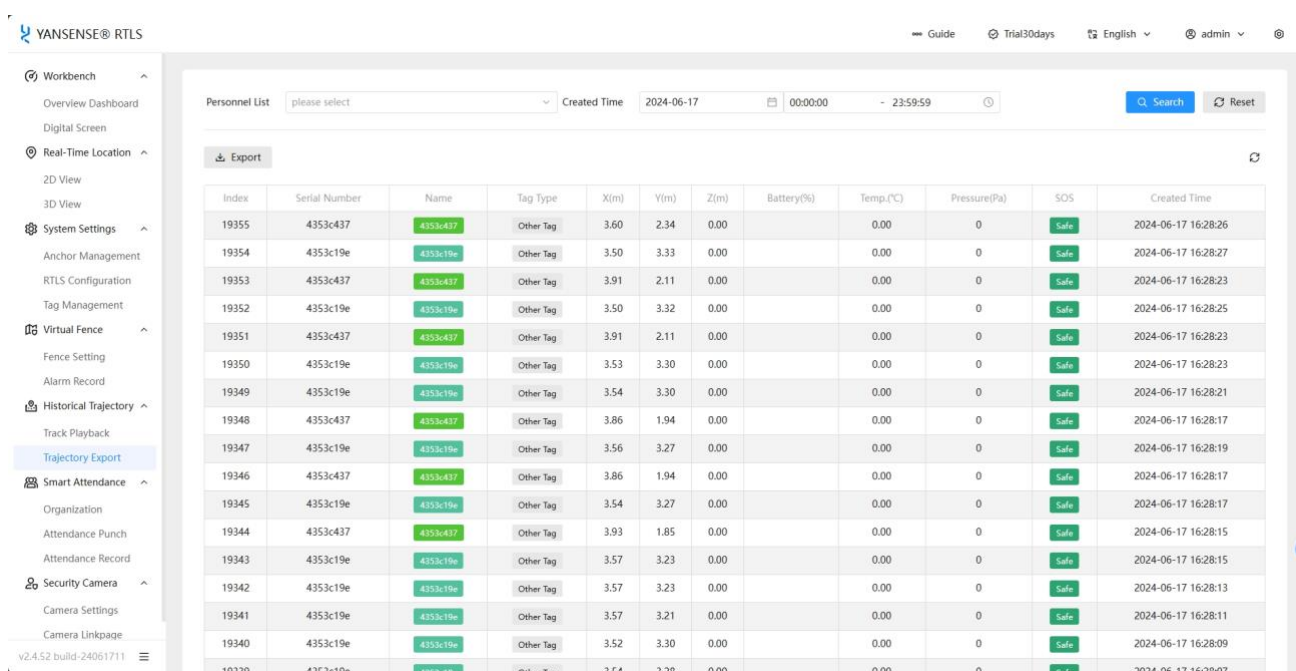
6.2 Trajectory export

The positioning system provides the function of exporting and saving the trajectory to CSV format, which enables the user to save the trajectory data of the moving object as a CSV file to the local or other systems. CSV (Comma Separated Values) is a common text file format that is easy to read and process.

By exporting the trajectory to CSV format, users can organize the position data of moving objects in chronological order and save them in tabular form. Each row represents a point in time and contains a timestamp and corresponding location information, such as XY coordinates, elevation, etc. The CSV file can be opened using a text editor or spreadsheet software for subsequent analysis, processing, and visualization.

The advantage of saving trajectory data in CSV format is its versatility and flexibility. CSV files can be compatible with various data processing tools and systems, such as Excel, databases, or geographic information systems (GIS), among others. Users can customize the columns and data content of the CSV file as needed to meet specific data analysis and application needs.

By saving the trajectory export to CSV format, users can save the trajectory data in the positioning system to a file format that is easy to process and share. This gives users more flexibility to leverage data for analysis, visualization, and integration into other applications for deeper location analysis and decision support.



The screenshot shows the YANSENSE® RTLS software interface. The sidebar on the left contains the following menu items: Workbench, Overview Dashboard, Digital Screen, Real-Time Location, 2D View, 3D View, System Settings, Anchor Management, RTLS Configuration, Tag Management, Virtual Fence, Fence Setting, Alarm Record, Historical Trajectory, Trajectory Export (highlighted), Smart Attendance, Organization, Attendance Punch, Attendance Record, Security Camera, Camera Settings, and Camera Linkage. The main area displays the 'Personnel List' section with a search bar and filters. Below the search bar is an 'Export' button. The table below shows the trajectory data for 18 points.

Index	Serial Number	Name	Tag Type	X(m)	Y(m)	Z(m)	Battery(%)	Temp.(°C)	Pressure(Pa)	SOS	Created Time
19355	4353c437	4353c437	Other Tag	3.60	2.34	0.00		0.00	0	Safe	2024-06-17 16:28:26
19354	4353c19e	4353c19e	Other Tag	3.50	3.33	0.00		0.00	0	Safe	2024-06-17 16:28:27
19353	4353c437	4353c437	Other Tag	3.91	2.11	0.00		0.00	0	Safe	2024-06-17 16:28:23
19352	4353c19e	4353c19e	Other Tag	3.50	3.32	0.00		0.00	0	Safe	2024-06-17 16:28:25
19351	4353c437	4353c437	Other Tag	3.91	2.11	0.00		0.00	0	Safe	2024-06-17 16:28:23
19350	4353c19e	4353c19e	Other Tag	3.53	3.30	0.00		0.00	0	Safe	2024-06-17 16:28:23
19349	4353c19e	4353c19e	Other Tag	3.54	3.30	0.00		0.00	0	Safe	2024-06-17 16:28:21
19348	4353c437	4353c437	Other Tag	3.86	1.94	0.00		0.00	0	Safe	2024-06-17 16:28:17
19347	4353c19e	4353c19e	Other Tag	3.56	3.27	0.00		0.00	0	Safe	2024-06-17 16:28:19
19346	4353c437	4353c437	Other Tag	3.86	1.94	0.00		0.00	0	Safe	2024-06-17 16:28:17
19345	4353c19e	4353c19e	Other Tag	3.54	3.27	0.00		0.00	0	Safe	2024-06-17 16:28:17
19344	4353c437	4353c437	Other Tag	3.93	1.85	0.00		0.00	0	Safe	2024-06-17 16:28:15
19343	4353c19e	4353c19e	Other Tag	3.57	3.23	0.00		0.00	0	Safe	2024-06-17 16:28:15
19342	4353c19e	4353c19e	Other Tag	3.57	3.23	0.00		0.00	0	Safe	2024-06-17 16:28:13
19341	4353c19e	4353c19e	Other Tag	3.57	3.21	0.00		0.00	0	Safe	2024-06-17 16:28:11
19340	4353c19e	4353c19e	Other Tag	3.52	3.30	0.00		0.00	0	Safe	2024-06-17 16:28:09
19339	4353c19e	4353c19e	Other Tag	3.54	3.28	0.00		0.00	0	Safe	2024-06-17 16:28:07

研迹®高精度定位系统

全局总览
实时定位
系统设置
电子围栏
围栏设置
报警记录
历史轨迹
轨迹回放
轨迹导出
自动考勤
安防摄像

人员列表 c804b2f x 创建时间 2024-05-02 00:00:00 - 23:59:59 查询 重置

导出

开始 插入 绘图 页面布局 公式 数据 审阅 视图

宋体 (正文) 11 A A' 自动换行 常规 条件格式 数据有效性 单元格样式 删除 格式

索引	标签序列号	人员名称	索引	创建时间	标签序列号	人员名称	X (m)	Y (m)	Z (m)	电量 (%)	温度 (°C)	气压值 (Pa)	求救信号	标签工作确认
68519	c804b2f	c804b2f	1	68523	2024-05-02 09:39:46	c804b2f	8.00	8.89	0.00	90.00	0.00	0	0	
68515	c804b2f	c804b2f	2	68519	2024-05-02 09:39:44	c804b2f	8.97	2.19	0.00	90.00	0.00	0	0	
68511	c804b2f	c804b2f	3	68515	2024-05-02 09:39:42	c804b2f	8.38	3.4	0.00	90.00	0.00	0	0	
68507	c804b2f	c804b2f	4	68511	2024-05-02 09:39:40	c804b2f	8.05	39	0.00	90.00	0.00	0	0	
68503	c804b2f	c804b2f	5	68507	2024-05-02 09:39:38	c804b2f	8.36	60	0.00	90.00	0.00	0	0	
68499	c804b2f	c804b2f	6	68503	2024-05-02 09:39:36	c804b2f	8.32	60	0.00	90.00	0.00	0	0	
68495	c804b2f	c804b2f	7	68499	2024-05-02 09:39:34	c804b2f	8.78	49	0.00	90.00	0.00	0	0	
68491	c804b2f	c804b2f	8	68495	2024-05-02 09:39:32	c804b2f	8.32	28	0.00	90.00	0.00	0	0	
68487	c804b2f	c804b2f	9	68491	2024-05-02 09:39:30	c804b2f	8.31	47	0.00	90.00	0.00	0	0	
68483	c804b2f	c804b2f	10	68487	2024-05-02 09:39:28	c804b2f	8.57	19	0.00	90.00	0.00	0	0	
68479	c804b2f	c804b2f	11	68483	2024-05-02 09:39:26	c804b2f	8.17	06	0.00	90.00	0.00	0	0	
68475	c804b2f	c804b2f	12	68479	2024-05-02 09:39:24	c804b2f	8.79	10	0.00	90.00	0.00	0	0	
68471	c804b2f	c804b2f	13	68475	2024-05-02 09:39:22	c804b2f	8.22	85	0.00	90.00	0.00	0	0	
68467	c804b2f	c804b2f	14	68471	2024-05-02 09:39:20	c804b2f	8.93	75	0.00	90.00	0.00	0	0	
68463	c804b2f	c804b2f	15	68467	2024-05-02 09:39:18	c804b2f	8.81	78	0.00	90.00	0.00	0	0	
68459	c804b2f	c804b2f	16	68463	2024-05-02 09:39:16	c804b2f	8.83	56	0.00	90.00	0.00	0	0	
68455	c804b2f	c804b2f	17	68459	2024-05-02 09:39:14	c804b2f	8.87	58	0.00	90.00	0.00	0	0	
68451	c804b2f	c804b2f	18	68455	2024-05-02 09:39:12	c804b2f	8.87	58	0.00	90.00	0.00	0	0	

Sheet1

就绪 辅助功能: 一切就绪

索引	其他	Z/9	Z/10	0.00	0.00	0	安全	2024-05-02 09:39:24
68475	其他	4.22	1.85	0.00	0.00	0	安全	2024-05-02 09:39:22
68471	其他	4.93	1.75	0.00	0.00	0	安全	2024-05-02 09:39:20
68467	其他	4.81	1.78	0.00	0.00	0	安全	2024-05-02 09:39:18
68463	其他	5.83	1.56	0.00	0.00	0	安全	2024-05-02 09:39:16
68459	其他	5.82	1.56	0.00	0.00	0	安全	2024-05-02 09:39:14
68455	其他	5.33	1.68	0.00	0.00	0	安全	2024-05-02 09:39:12

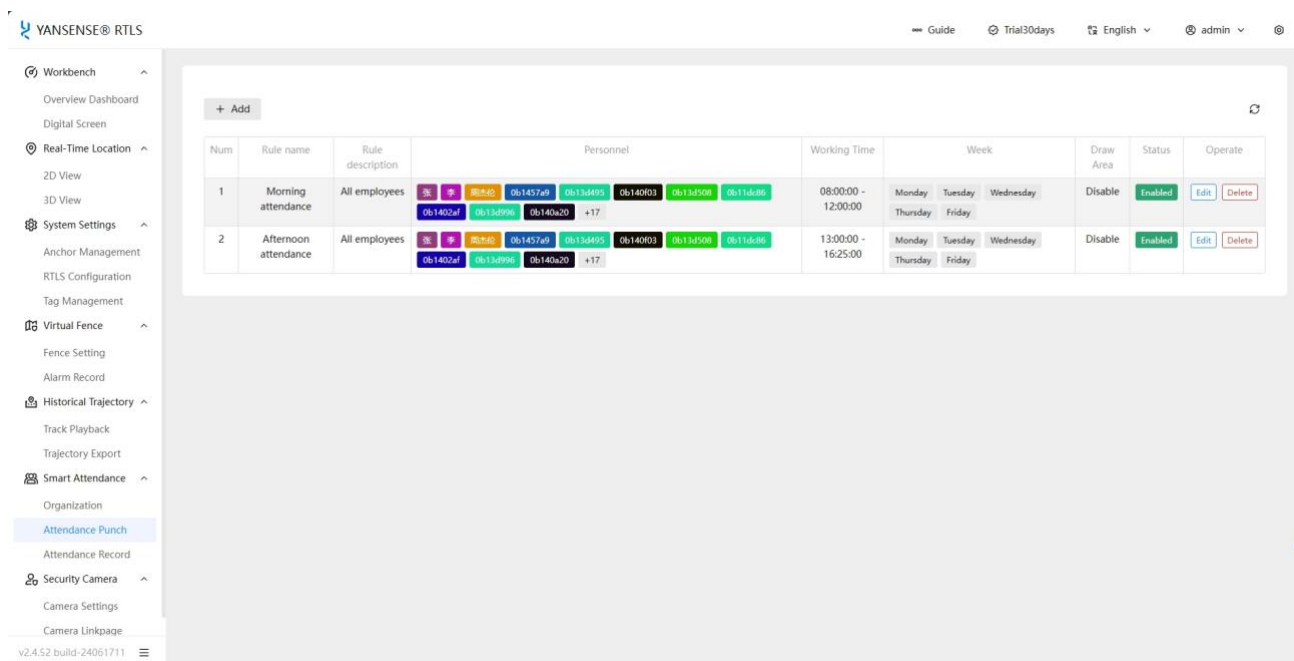
v2.4.3 build-24043017

7 Automated attendance

In the field of attendance, the combination of positioning technology and automatic attendance system has brought more efficient and accurate attendance management methods to enterprises and organizations. Employee attendance can be tracked and recorded in real-time. When an employee enters or leaves a designated work area, the system automatically records attendance information, eliminating the tedious process of manual check-in.

This combination not only improves the accuracy and transparency of attendance, but also prevents cheating and ensures that every employee's working hours are fairly recorded. In addition, the automatic attendance system can be integrated with human resource management software to realize the automatic aggregation and analysis of attendance data, helping management to better grasp the work status and productivity of employees. Such a system helps to improve work efficiency, save on administrative costs, and provide an easier time and attendance experience for employees and managers.

7.1 Attendance punch



The screenshot shows the YANSENSE® RTLS software interface. The sidebar menu on the left includes the following items: Workbench, Overview Dashboard, Digital Screen, Real-Time Location, 2D View, 3D View, System Settings, Anchor Management, RTLS Configuration, Tag Management, Virtual Fence, Fence Setting, Alarm Record, Historical Trajectory, Track Playback, Trajectory Export, Smart Attendance, Organization, Attendance Punch (highlighted), Attendance Record, Security Camera, Camera Settings, and Camera Linkage. The main content area displays a table for configuring attendance rules.

Num	Rule name	Rule description	Personnel	Working Time	Week	Draw Area	Status	Operate
1	Morning attendance	All employees	Ob1457a9, Ob13d495, Ob140f03, Ob13d506, Ob11d696, Ob1402af, Ob15d996, Ob140a20, +17	08:00:00 - 12:00:00	Monday, Tuesday, Wednesday, Thursday, Friday	Disable	Enabled	Edit, Delete
2	Afternoon attendance	All employees	Ob1457a9, Ob13d495, Ob140f03, Ob13d506, Ob11d696, Ob1402af, Ob15d996, Ob140a20, +17	13:00:00 - 16:25:00	Monday, Tuesday, Wednesday, Thursday, Friday	Disable	Enabled	Edit, Delete

7.2 Attendance record

YANSENSE® RTLS

Guide

Trial30days

English

admin

Workbench

Overview Dashboard

Digital Screen

Real-Time Location

2D View

3D View

System Settings

Anchor Management

RTLS Configuration

Tag Management

Virtual Fence

Fence Setting

Alarm Record

Historical Trajectory

Track Playback

Trajectory Export

Smart Attendance

Organization

Attendance Punch

Attendance Record

Security Camera

Camera Settings

Camera Linkage

v2.4.52 build-24061711

Personnel List

please select

Created Time

select date

select date

Search

Reset

Export

Index	Name	Rule name	Check-in time	Check-out time	Operate
2	4353c437	Afternoon attendance		2024-06-17 16:28:29	Delete
1	4353c19e	Afternoon attendance		2024-06-17 16:28:29	Delete

2 items

20 / page

1

8 Security cameras

When UWB positioning technology is combined with security cameras, the sensitivity and response speed of the security monitoring system are significantly improved. UWB positioning can accurately determine the location of people or equipment and track their movement trajectory in real time; Security cameras, on the other hand, can identify and record on-site activity through visual capture and analysis. The combination of the two can effectively improve the reliability of the security system.

For example, in high-security industrial parks, UWB positioning technology can be used to monitor the flow of people in critical areas and link with security camera equipment. When the UWB positioning system detects unauthorized personnel entering a sensitive area, the security camera system can immediately automatically lock and record their movements. At the same time, the precise positioning of UWB allows security personnel to quickly locate and respond to potential threats.

This combination provides a smarter and more efficient solution for the security sector, helping to improve the responsiveness of security measures, reduce false alarms, and ensure the safety of people and assets.

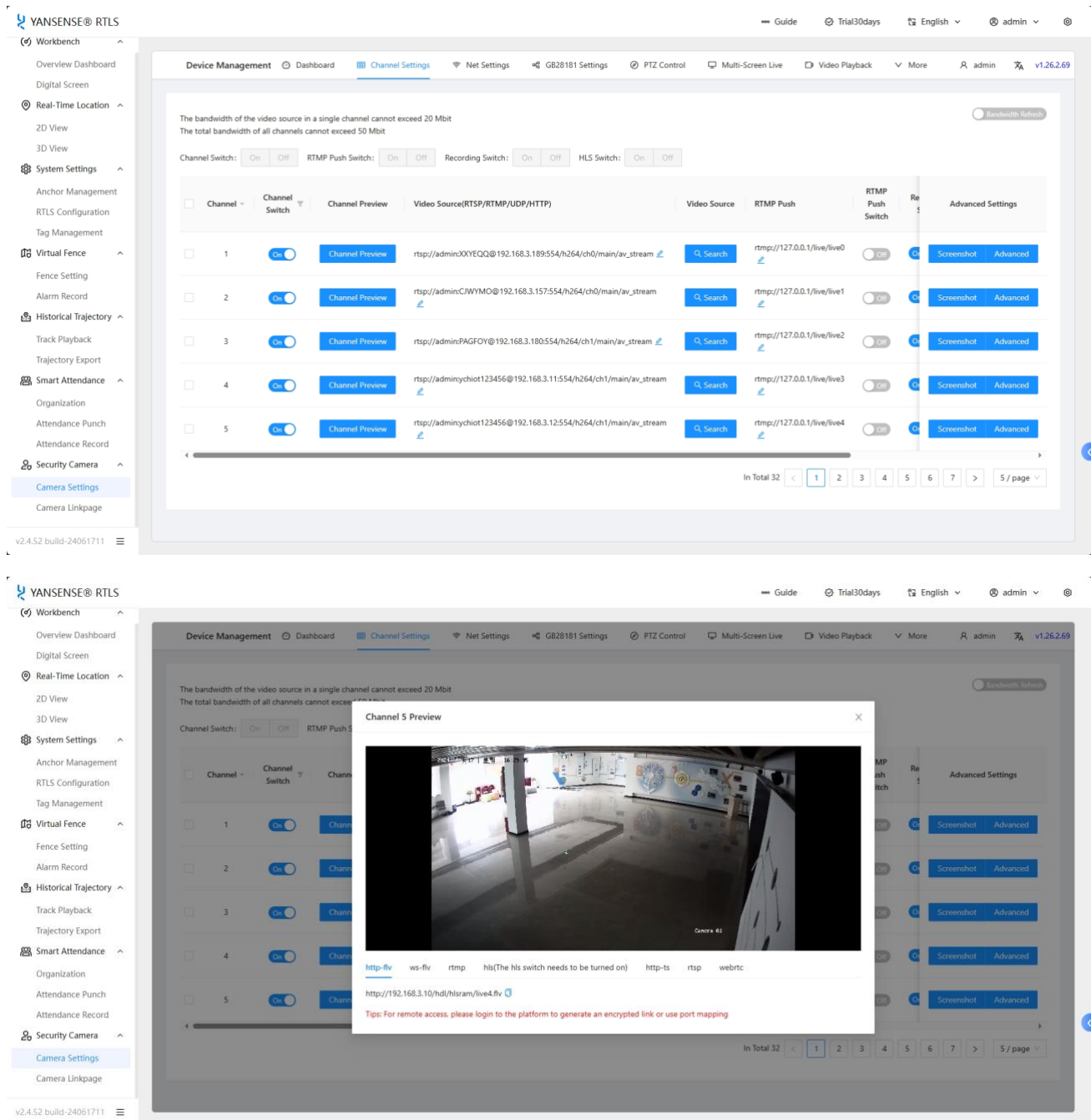
8.1 Camera settings

The management page provides a live video stream display function, which allows users to view the live feed of multiple cameras and zoom in, zoom out, or adjust the viewing angle as needed. In addition, users can quickly switch between different cameras by dragging and clicking, etc., to ensure full coverage of the monitoring area.

Pages often support video playback, allowing users to view the history. With the timeline or date picker, users can easily locate a specific time period and quickly find the recording they need to view. This is very important for investigating the incident and gathering evidence.

The management page also includes alerts and notifications, and users receive instant alerts when the monitoring system detects unusual activity. This can be done through sounds, pop-ups, or notifications on mobile devices, for example. Based on the alarm information, the user can quickly view the real-time image of the relevant camera, assess the situation and take appropriate action.

Finally, the monitoring management page usually has camera settings and system configuration functions. This is where users can adjust the camera's angle, focal length, resolution, and other parameters to ensure the best performance of the camera. In addition, users can set security permissions to ensure that only authorized personnel can access or change monitoring settings.



The screenshot displays the YANSENSE® RTLS software interface, specifically the 'Channel Settings' page. The interface includes a sidebar with navigation options such as 'Overview Dashboard', 'Digital Screen', 'Real-Time Location', 'System Settings', 'Virtual Fence', 'Historical Trajectory', 'Smart Attendance', and 'Security Camera'. The main content area shows a table of camera channels with columns for Channel, Channel Switch, Channel Preview, Video Source, Video Source, RTMP Push, RTMP Push Switch, and Advanced Settings. A modal window titled 'Channel 5 Preview' is open, showing a live video feed of a warehouse interior. The modal also displays a list of supported protocols: http-flv, ws-flv, rtsp, hls, http-ts, rtsp, and webrtc. A tip at the bottom of the modal states: 'Tips: For remote access, please login to the platform to generate an encrypted link or use port mapping'.

8.2 Camera linkage

YANSENSE® RTLS

Workbench

- Overview Dashboard
- Digital Screen
- Real-Time Location
 - 2D View
 - 3D View
- System Settings
 - Anchor Management
 - RTLS Configuration
 - Tag Management
- Virtual Fence
 - Fence Setting
 - Alarm Record
- Historical Trajectory
 - Track Playback
 - Trajectory Export
- Smart Attendance
 - Organization
 - Attendance Punch
 - Attendance Record
- Security Camera
 - Camera Settings
 - Camera Linkage

v2.4.52 build-24061711

Guide Trial30days English admin

ROOM 1

Selected

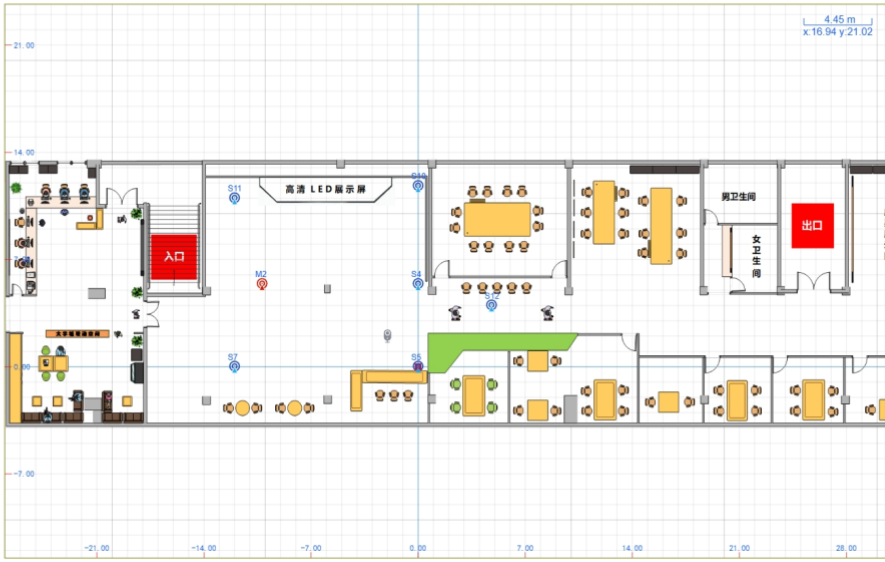
Camera Name

X-Coord m

Y-Coord m

Channel

Add Submit Delete

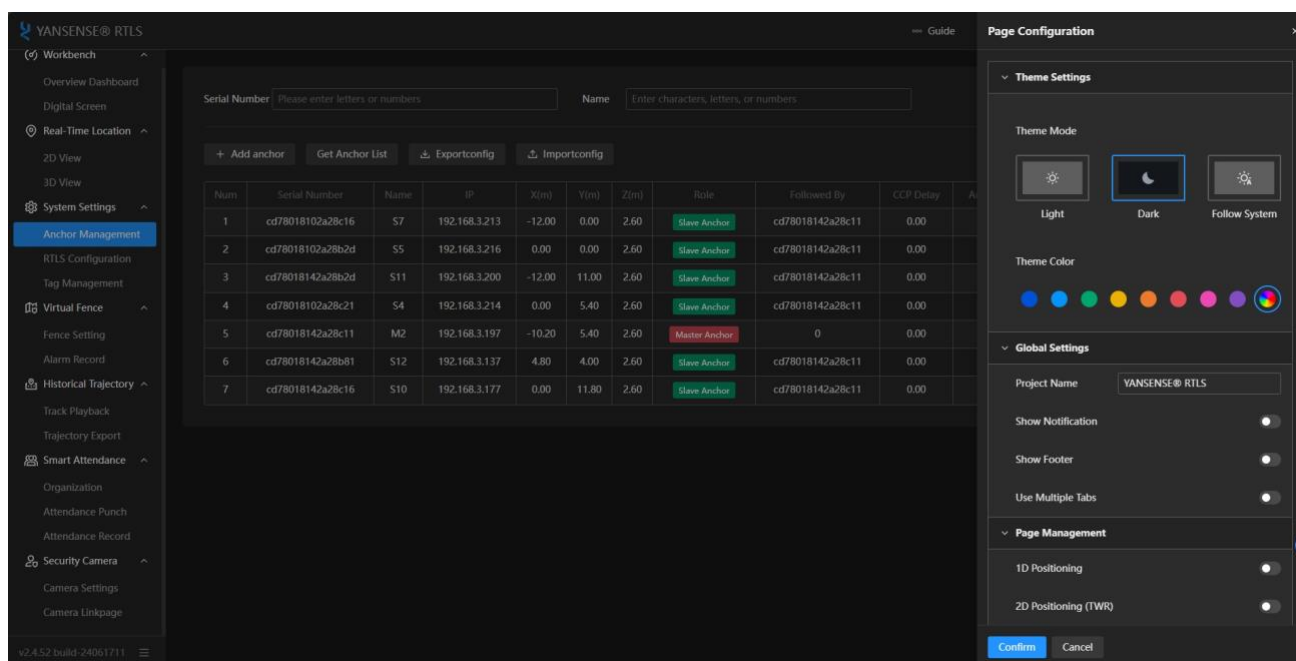


4.45 m
x:16.94 y:21.02

9 Other features

9.1 Dark mode

The positioning system's dark mode is a display mode for the user interface designed to provide a more comfortable and low-glare visual experience. Dark mode reduces the brightness and contrast on the screen by changing the color theme of the user interface to a dark tone. This mode is suitable for users who use in dark environments or are sensitive to brightness. The use of dark mode can reduce glare and eye strain, while also helping to save battery life (for devices with OLED or AMOLED screens).



10 Document Management Information Sheet

Subject		YANSENSE® High-Precision RTLS Software V2.5	
Version		V2.5	
Reference documents			
Creation time		2021/06/01	
Founder		Yang, Huang	
Latest release date		2024/06/01	

Change the person	date	Documentation change history
Yang, Huang	2021/06/01	V1.0 Version Release
Yang, Huang	2023/01/01	V2.0 Version Release
Yang, Huang	2024/01/01	V2.4 Version Release
Yang, Huang	2024/06/01	V2.5 Version Release