



Description

It is an integrated management system applied to classroom audiovisual and lighting services. The system fundamentally changes the traditional control mode of classroom equipment and builds an intelligent and collaborative teaching environment.

Feature

- * The platform software controls classroom terminals and peripheral equipment to realize functions such as audio broadcasting, teacher attendance management, classroom management, classroom inspection, power consumption statistics, and environmental monitoring.
- * The system adopts B/S architecture and C/S architecture, and supports 6 control terminals including teacher web terminal, admin web terminal, control panel, H5, WeChat applet and DingTalk applet, realizing multi-channel interaction, unified and convenient operation, and real-time status synchronization.
- * The system supports connecting with high-precision GPS-based timing systems, and can independently perform broadcast system timing services without the Internet, making the system time error less than 1/300,000 of a second per year.
- * Provide full-duplex voice data exchange, respond to calls and call requests from various intercom terminals, support call modes such as one-key call, one-key intercom, one-key help, one-key alarm, support auto answering, manual answering, and support custom answering tone.
- * Support account memory function, you can switch accounts freely to log in, and can switch between 3 accounts at the same time; support automatic logout if no operation is performed for a long time to prevent password loss.
- * Support role management function, the administrator assigns roles to users, thereby assigning corresponding permissions, so that users cannot perform functions higher than their own permissions. By default, the system has roles such as administrator, teacher, and common user, which are convenient for users.
- * Support account management function, you can view and manage information such as username, gender, login account, login password, phone number, role permissions, valid time, login time, and login times; support importing excel sheet to create users in batches, and provide imported templates; support exporting user information in batches. Users can modify their account and basic information such as username and gender.
- * Support programming multiple timing solutions, support flexible selection of terminals and setting time; support timing task execution test, and set repetition cycle; support one-key enable/disable all solutions.
- * Support the audio collection and broadcasting function of the terminal to realize the audio file collection and broadcasting for the listening test.
- * Support audio broadcast function, you can choose music library files or upload audio files locally; list playback, loop playback, shuffle playback and other playback modes are supported.
- * Support text broadcast function: input or upload a text file to convert text into speech, the system automatically recognizes Chinese and English and then broadcasts; support setting the number of cycles; support adjusting the speed of speech.



- * Support the floating window function. You can control the task in execution at any time, view the task status, and can cancel task playback, control playback progress, and adjust the volume, etc.
- * Support terminal anti-tampering alarm, terminal disassembly will trigger an alarm or trigger other terminals to sound an alarm; support the automatic release alarm function of the alarm task.
- * Support batch configuration, and apply configuration information such as device binding, scene mode, trigger linkage, and startup initialization to other terminals to achieve rapid debugging.
- * Support multiple trigger linkage modes. Through triggering methods such as terminal interfaces, sensors, and user IC card, functions such as automatically turning on the projector, automatically adjusting the temperature and humidity of the classroom environment, teachers swiping cards to enter exclusive scenes, and network commands triggering scene modes can be realized.
- * Support configuring the initial boot command and customizing the terminal boot command.
- * Support both zonal and all-zone fire linkage, support fire N±N mode, support manual alarm and digital alarm. Support configuring alarms to trigger terminal collection tasks.
- * Support a variety of classroom control panel setting strategies, and use the combination of card swiping and control panel to control the terminal to avoid accidental operations.
- * Support viewing the terminal name, IP address, device model, serial number, online status, bound classroom, and scene mode, etc. Support searching for devices by filtering the above information.
- * Support remote control of a single terminal to achieve classroom volume control, video switching, scene calling and other functions, support viewing the device status and control logs.
- * Support batch management of multiple cloud-controlled classroom terminals to enter the Class begins or Class ends mode; support disabling cloud-controlled classroom terminals to facilitate maintenance by operation and maintenance personnel.
- * Support teacher attendance management function. Each teacher has an IC card, and only needs to swipe the card before class, and the server background will automatically generate attendance records. The user name, card number, role, swiping time, classroom, equipment and other swiping attendance records can be viewed in the background.
- * Support configuration of various exclusive scene customization, each scene supports multi-device linkage and multi-independent command combination, and 300+ custom icons.
- * Built-in infrared file database, users can configure it for terminal use, or manually add general infrared code instructions, and the terminal device can receive and process the infrared instruction control after learning.
- * Support the power consumption statistics function, support the statistics of the equipment power consumption, equipment dynamics, equipment total power trend, equipment real-time status, equipment usage time and other information in the classroom by day, week, and month, and support exporting details in excel form.
- * Support the environmental detection function, support the statistics of the temperature trend, humidity trend and PM2.5 trend in the classroom by day, week and month, and support exporting the details in excel form.
- * Support classroom group management function. Create a new classroom group to manage the terminals, ranging from 1 to 5 levels; support batch import or export of group information in a table.
- * Support the creation of class schedules by importing excel sheets, or manually creating class schedules by filling in information such as class hours, subjects, teachers, and classrooms; support exporting class schedules in the form of excel sheets; support setting to perform tasks according to the class schedule, and intelligently identifying task conflicts to prevent task conflicts.
- * Support statistics on server memory usage, CPU usage, memory space, disk space, etc. Support synchronizing server time.
- * Support the recycle bin function, which can perform secondary recycling disposal on deleted resources.
- * Support manual backup and automatic data backup. The backup time, file size, and backup information of the backup file can be viewed; support scheduled backup according to the execution time or cycle.