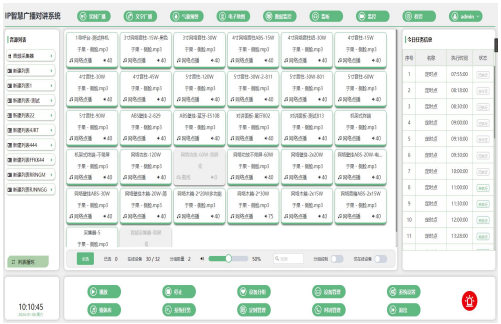
Webcast management software

FP6-MS1001



Feature:

1. Based on a domestically produced Linux system, it is secure and reliable; it is inherently immune to viruses and supports 24/7 uninterrupted operation with no blue screen
2. Based on a B/S architecture, any platform (Windows, Android, iOS, etc.) can remotely access the server through a web browser, without installing any client software
3. The system software supports domestically produced Zhongke Fangde, Anchao OS, Jide's X series cloud operating system, Hongqi Linux, ZTE's new fulcrum operating system, Deepin, i-soft Linux, Weike Leon Linux, and Kylin. It also runs on multiple platforms, including Windows XP and Windows 7
4. The system supports hybrid LAN and WAN networking, compatible with various complex network environments. Terminals automatically connect to the network upon power on
5. Supports creating new users on the backend web interface, setting user priorities, and authorizing users to manage terminals. User roles include administrator, general user, and SIP user.
6. Supports up to 1,000 zones, allowing customized program sources to be created with features like timing, zoning, paging, and alarms. It also supports multiple remote software operating systems (or web login). Through software configuration, each building or floor can be controlled only by the network audio terminals in its area and cannot control other zones, making modification and reconfiguration very convenient
7. Supports standard SIP communication protocols, seamlessly integrating SIP with proprietary communication protocols
8. Supports GPS and Beidou automatic calibration of Beijing time, with configurable accuracy from 1 minute to 1 nanosecond
9. Real-time broadcasting: Broadcast to any single point, group, zone, or entire location, or to any designated area. One-click, real-time broadcasting, with adjustable volume for each terminal
10. Text-to-speech (TTS) technology converts edited content or text files into speech. It supports backend adjustments for speech rate, loop count, and male or female voice, ensuring clear and natural voice.
11. Telephone Broadcasting: Through the IP network phone interface, you can connect to an external phone or programmable switch for remote broadcasting, allowing you to issue announcements anytime, anywhere
12. Mobile App: Install dedicated playback software on your phone to broadcast and page any or multiple terminals, play programs to any or multiple terminals, and remotely control playback settings such as pause/resume, stop, skip to the previous or next track, and increase or decrease the volume
13. Recording: The system includes built-in recording functions for broadcasting, intercom, real-time data collection, and monitoring, which can be turned on or off. The recording list is clearly displayed for easy viewing and use
14. Supports full-duplex acoustic echo cancellation, automatic acoustic echo cancellation (AEC), automatic intercom recording, and intelligent DSS keys, which can be customized for speed dial, intercom, answer, and hang up. Call policies can be configured on the backend web interface, including various call forwarding policies: no response forwarding, busy forwarding, and power off forwarding
15. Built-in HD camera, supports two-way, full-duplex HD video intercom, full-duplex acoustic echo cancellation, howling suppression technology (AEC), and automatic recording during intercoms
16. Supports scheduled patrols. After setting up a scheduled patrol, you can customize the patrol execution time and repetition period, and the indicator light flashing interval can be customized from 0-30 seconds
17. Supports multiple emergency response plans, including fire signal access and receiving warning information issued by local authorities

18. Supports terminal playback monitoring. Any network adapter can be set as a monitor to monitor the content currently playing on other network adapters
19. Supports live ambient sound, allowing you to monitor the terminal's environment, such as whether students are listening quietly in class
20. Supports up to 100 scheduled schedules, each with 200 time points. Schedules can be switched at any time. Flexible settings include repetition period (daily/monthly) and playback mode. Scheduled task file playback and terminal data collection are supported. All schedules can be enabled/disabled with one click, and schedules can be automatically switched
21. Rich media library management, supporting MP3/WMA/WAV/PCM formats, local audio source uploads to the server, IP audio sources (CD/USB/Bluetooth/FM), and the server's built-in two-channel audio capture for external audio sources. Web-based remote song library management is supported, along with operations such as creating/deleting/renaming song lists and uploading/deleting songs
22. Online/offline electronic maps are supported. Terminals can be dragged and dropped onto the map, allowing real-time terminal status viewing on the map and full-screen display
23. Dual-server hot standby broadcast server functionality is supported. The backup server monitors the primary server's operating status in real time, enabling automatic failover between the two servers. The backup server can fully assume the management and control functions of the primary server
24. 100V terminal backup is supported. In the event of a network or power outage, the signal immediately switches to an analog constant-voltage broadcast signal. When the network and power are restored, the signal automatically switches back to the network broadcast signal, providing dual signal support.
25. Adaptive noise detection monitors ambient noise levels on-site and uploads the data to a host PC. After applying an audio algorithm to the noise and desired sounds, the device can adjust the volume in real time or with a delay to maintain the signal-to-noise ratio
26. Automatic load detection supports real-time detection and calibration of four lines. The impedance detection range for each line is 20 ohms to 1600 ohms, with five status settings: short circuit, open circuit, overload, light load, and normal. Alarms are also provided for line anomalies
27. Offline scheduled broadcast function. Built-in 4GB of memory supports terminal scheduled point backup. Scheduled content is automatically backed up to the network playback terminal. This ensures the broadcast system is on time, with the correct timing and content, even if the server is disconnected
28. Offline paging function allows paging even when the server is disconnected
29. Wireless remote control. The remote supports 7 function buttons, which can be configured in the backend. These buttons support creating/switching tasks, pausing/resumeing, stopping, playing the previous/next song, and increasing/decreasing the volume. No need to control playback from the control room, making it ideal for school calisthenics or sports meets
30. Supports setting different lighting modes for each terminal, with customizable red light on/off, green light on/off timers ranging from 0.1s to 10s
31. Supports configuring a terminal freeze time, preventing the terminal from executing tasks during the freeze period. This is ideal for scenarios such as exams or breaks
32. Supports customizing terminal priority settings
33. Supports configuring 10-band parametric equalizer audio processing and sound effect mode settings for the terminal
34. Supports remote firmware upgrades for the terminal, eliminating the need to visit the terminal, reducing maintenance workload
35.It supports the terminal details export function, and allows exporting the configuration details of the current system terminals in the form of a table, which brings convenience to system management
36.It supports embedded development for third-party platforms and provides an SDK (Software Development Kit), enabling system integration with large-scale systems and platforms