



Descriptions & Features:

- ◆ The platform supports public cloud/private cloud, supports LAN and WAN, can be used across routing and across the Internet, and can be used wherever the TCP/IP network can reach;
- ★ Support cross-platform applications such as windows2008/2012/win7/win10/linux/domestic Kirin system;
- ◆ A single regional server supports 5,000 terminals online at the same time, and supports more than 3,000 terminals playing different programs at the same time;
- ★ Adopts unicast and multicast automatic Switching technology can automatically find the optimal transmission method without any conversion, and can cross routes and INTERNET networks at will without modifying the enterprise's core network settings to ensure transmission efficiency and stability;
- ★ Control instructions are transmitted using TCP to ensure Reliable data reception without packet loss, audio and video streams are transmitted using UDP to ensure real-time data, real-time audio delay <50ms, video delay <80ms;
- ★ The network packet loss rate is less than 5% and can be used normally, and the packet loss rate is less than 20 % can distinguish human voices, and automatically handle network transmission problems such as packet drops, duplicate packets, out-of-order packets (while other manufacturers' products have less fault tolerance for complex network environments, if the network packet loss rate is greater than 5%, it will freeze, be silent, and cannot be used));
- ★ The media server and streaming server can be infinitely expanded. The terminal can automatically find the nearest media server and streaming server to achieve the fastest response, load balancing and redundancy. In large-scale applications that need to cross the INTERNET, it can save a lot of bandwidth. Improve real-time performance and stability;
- ★ Paging and broadcasting support multiple audio formats, up to CD sound quality;
- ★ Minimum bandwidth requirement, it can operate in a minimum 20kbps environment. It can ensure clear voice in a 50kbps environment, achieve the best audio and video quality in the LAN, occupy the minimum bandwidth in the INTERNET, and restore more realistic original sounds. It can be used in weak network environments. A real-time audio and video technology ensures real-time transmission;
- ◆ Support third-party platform embedded development: Provide SDK secondary development package to integrate with other system platforms. Third-party software can directly control terminal intercom and broadcast, and receive the current status of the terminal; cooperate with the monitoring system, the monitoring system can control the call switch, or automatically switch the monitoring screen during a call; realize system integration with large systems and large platforms;
- ★ Accurate Synchronous, the playback error between terminals is <50ms;
- ★ The platform supports multiple users to log in at the same time, and users of different levels can manage and operate terminals within their jurisdiction according to their authorized permissions;
- ◆ Support remote upgrades of systems and terminals, with software and hardware The log traceability mechanism for full OTA upgrade on the terminal ensures zero omissions in equipment upgrades and reduces the work intensity of maintenance personnel;
- ★ Each device comes with its own QR code identity information. After scanning through the mobile APP, you can directly modify the terminal device name, device positioning and other operations on site (there is no need to bring the device back to the computer room to configure it one by one, greatly shortening the device debugging cycle);

Features:

- ★ The platform supports offline backup function, with built-in 2G EMMC memory and 256M DDR flash memory. The scheduled points are automatically downloaded to the terminal memory when the network is idle. On-demand programs are stored while playing. The system will pass the program based on the frequency of playback and the last played program. A comprehensive algorithm is used to ensure that there is enough space in the memory. When the network is unavailable, scheduled programs can be played normally. After saving the memory, playing again will no longer occupy traffic;
- ★ The platform supports playing multiple formats MP3/MP4/MKV/FLAC/WAV (original file playback, sound quality reaches CD level);
- ★ Support mobile APP on-demand, paging any terminal, intercom, shortcut operations, map location, and modify terminal attributes;
- ◆ Program live broadcast: Live broadcast can be achieved through IP broadcast control console, local analog microphone, phone, tablet, mobile broadcast control APP, etc.;
- ★ Supports collecting and broadcasting third-party desktop audio;
- ★ Support Internet radio and playback of massive audio programs;
- ◆ Support text broadcast function, which can convert text into voice broadcast;
- ◆ The platform supports terminal environment sound monitoring;
- ◆ Monitoring and supervision: Able to monitor the ongoing tasks of the current system. When illegal information is found to be broadcast during the monitoring process, it can be immediately locked and broadcasted on the secondary management platform. The terminal needs to be unlocked by the platform before it can broadcast local programs. , but it does not affect the broadcast of program information issued by the superior platform;
- ★ Support cloud broadcast big data analysis overview, display the number of all terminals in the system, online status, terminal operating temperature, map display terminal location, real-time working status, volume, task broadcast status and other types of task status, etc., can be used for screen projection On-screen display makes the system operation clear at a glance;
- ◆ Video command linkage: Compatible with Hikvision and Dahua third-party cameras, connected to the video platform, through camera signals, linkage control of broadcast terminals, remote broadcasting and intercom;
- ◆ Support the remote on-demand server media library function. The remote paging microphone can on-demand media library programs for the entire district, partition or any terminal;
- ★ It has user level setting management function and priority level setting. It is designed according to the logic that the higher the administrative level, the higher the priority. Daily broadcasts are given priority to superiors, and emergency broadcasts are given priority to subordinates. The platform supports personalized level settings;
- ◆ The platform supports the audio source priority setting function and supports the setting of the delivery priority of multiple audio sources;
- ◆ The platform supports real-time broadcasting of audio, video files and graphic and text editing and publishing functions for the whole region, partitions and single points;
- ◆ The platform supports remote setting of volume, logical address and other functions for terminals;
- ◆ The platform supports fire alarm linkage function. Emergency broadcast sound sources and areas can be pre-set according to actual emergency needs. When broadcast instructions are issued (physical button presses, trigger signal access, etc.), the corresponding terminal broadcasts linkage alarms;
- ◆ The platform supports the storage of records such as login time, IP address, exit time, phone calls, text messages, published content, etc., and supports the query of the above content;
- ★ The platform edits a series of complex operations into shortcut operations, and automatically generates buttons on the PC and mobile phones. The number of shortcut keys is unlimited;
- ★ The platform supports terminal online and offline prompts;
- ◆ The platform supports multiple sets of timing plans to be activated at the same time. Each set of timing plans supports multiple sets of tasks to run at the same time, and supports independent activation/deactivation of any plan to achieve unattended operation;
- ◆ The platform supports remote import of audio sources from the local server media library; supports real-time input of analog audio sources, digitizes analog audio sources in real time, and enables any multi-channel real-time acquisition and broadcast;
- ◆ The platform supports converting traditional audio resources into digital programs and storing them in the program library of the system server, which is convenient for users to use and can be played continuously without repetition;
- ◆ Seamless connection between IP network equipment and 4G wireless equipment;