



VW-PE
SYSTEM MANAGEMENT SOFTWARE

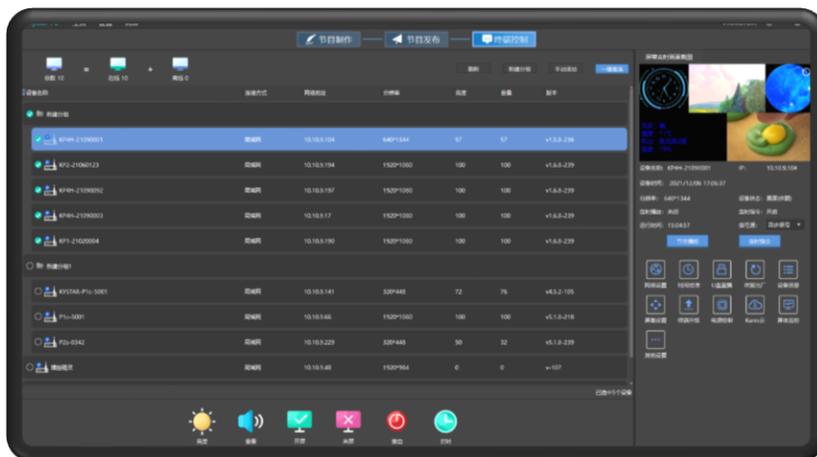
Product Overview

To centrally manage and synchronize large-scale advertising and information display systems—such as advertising screens in shopping malls, notification and public information screens on school campuses, highway advertising displays, smart light poles, bus shelters, and urban media networks across provinces, cities, and regions—the most effective solution today is to build a centralized Digital Signage Management Platform.

This solution enables unified management of thousands to hundreds of thousands of screens distributed across multiple geographic areas, supporting synchronized content playback based on time, location, and usage scenarios. Through a hierarchical management mechanism, the system allows government authorities, advertising enterprises, and local operators to efficiently control content, devices, playback schedules, and respond to emergency situations in real time.

By integrating flexible transmission networks (4G/5G/fiber), hardware and software platforms, and intelligent display devices, this model ensures high scalability, stable operation, cost efficiency, and fully meets the requirements for synchronized management of cross-provincial and cross-regional display clusters in modern commercial advertising and smart city projects.

The centralized management software provides unified control of LED display systems, including LED controllers, televisions, and associated signal decoding devices. It enables remote monitoring, configuration, and synchronized content playback across multiple locations. The platform ensures stable operation, flexible scheduling, and efficient management for large-scale commercial and public display networks.



Features

- Large-scale buildings or buildings such as campuses, urban complexes, exhibition halls, and transportation venues often have multiple public display terminals for information release or unified advertising. In such occasions, a local area network is generally used to build a simulcast system



large exhibition hall



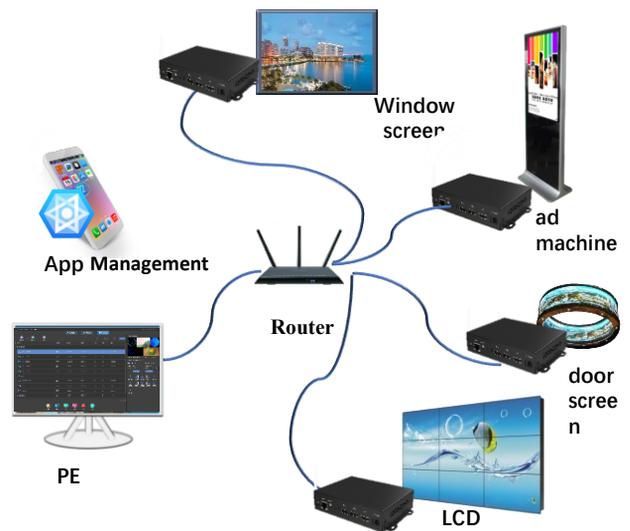
Airport



Hall

Typical case - commercial display advertising screen

- Use routers or switches to connect each Pandora terminal by wire or wireless (support cross-network segment connection) to form a local area network broadcast control system.
- Allows for centralized management and coordination of content across multiple display types (LEDs, LED controllers, TVs, set-top boxes) by area or usage group.
- Web-based access control application
- Includes accompanying content editing software.



PE

- The constructed LAN requires PE to complete cluster management, which is the core of the entire broadcast control network.
- PE is a powerful playback arrangement and management software. It has three major modules: program production, program release, and terminal control. It can not only program a single Pandora terminal, but also perform cluster release and visual management of all terminals in the local area network.
- The software license is perpetual, for 256 device licenses.
- The management software is installed locally on the internal computer, independent of external servers or the manufacturer's servers.



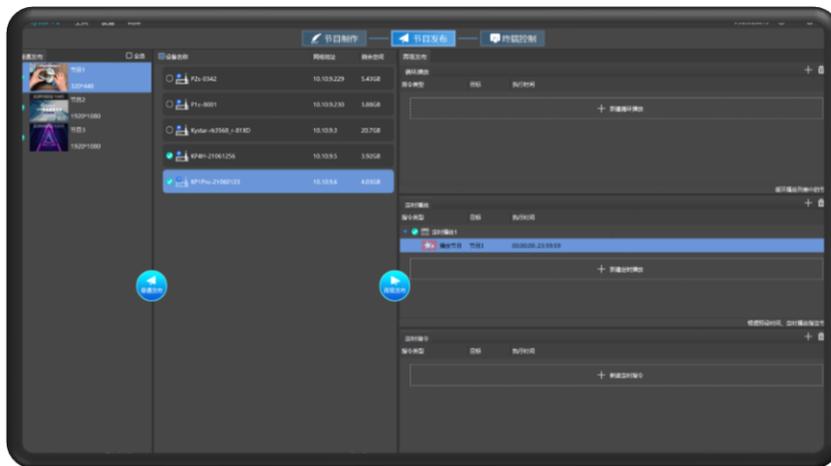
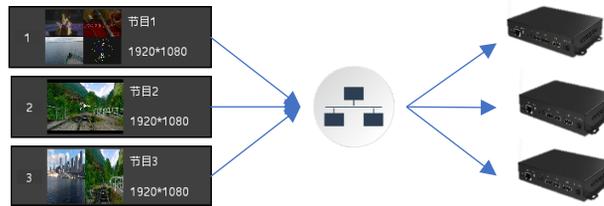
Professional programming

- Drag-and-drop file operations
- Different from the traditional window-selective file addition, PE supports drag-and-drop file operations. Users can drag and drop external files into the software for material import, and also drag and drop the content of the material area to the editing area for editing and playback.
- Allows monitoring and tracking of the status and content being displayed on LED screens, televisions, and set-top boxes.

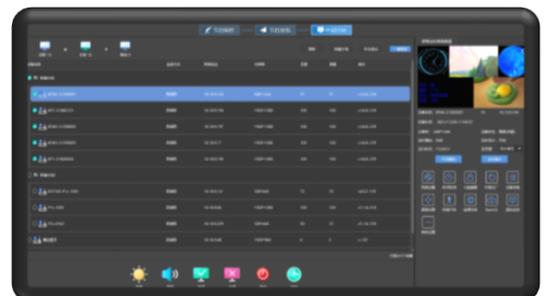


Flexible cluster management

- Multi-program multi-node publishing
- Users can choose one-to-one, one-to-many, and many-to-many publishing methods to publish programs produced by PE, without the need to publish each terminal one by one.
- Push content to display on LED screens, TVs, and remote decoders via LAN network.



- Multi-terminal simultaneous independent presentation
- Through PE, the management and control interfaces of multiple terminal devices can be opened at the same time, and users can accurately and quickly view device information and control the program playback of each terminal.
- Supports scheduling content playback at predetermined times.
- Support for user permission management in the software.



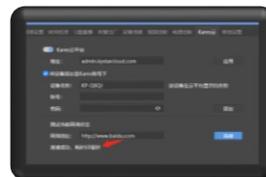
Various networking communication methods

- Wired connection: It can be connected to the network through a network cable and a router;
- Dual WIFI connection: WIFI AP and WIFI STA modes can be enabled at the same time. While the mobile terminal device is wirelessly connected to control Pandora directly, Pandora can access the network wirelessly;
- access the network;
- 4G network connection: optional 4G module to access the 4G network provided by the operator;
- Network priority: Level 1 wired network, Level 2 WiFi STA, Level 3 4G network.
- Conditional networking is the preferred wired connection, stability is overriding!

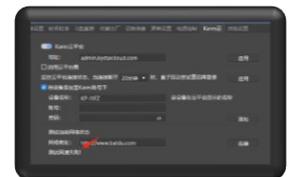


Determine if Pandora Box is connected to the Internet

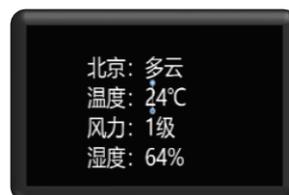
- Method 1: PE connection device, terminal details - kares cloud - test the current network status
- The device tests whether the network is connected by accessing the Baidu address. If the connection is successful, it means that the network is normal, and if it fails, it means that the network is not connected.
- Method 2: Upload the weather to Pandora's box,
- The normal display of weather on the LED screen indicates that the network is normal, and the failure to obtain weather data indicates that the network is not connected.



have network



none network



have network



none network