



Functional description:

1. Utilizing a client-server architecture, it enables monitoring of the node status across the entire project, including operational status, temperature, faults, log operations, and more.
2. Supports identifying different product models and displaying network parameters to facilitate node management;
3. Support engineers in editing system topology diagrams based on on-site cabling configurations, enabling convenient monitoring of all node operations through the operations and maintenance system. When a node fails, the corresponding node in the system topology will change color to indicate a warning.
5. Supports displaying the status of each node in chart format, enabling batch classification and management of nodes.
6. Supports visual operations and maintenance: View system topology diagrams, device operation logs, operation records, alarm logs, etc.
7. Supports real-time visualization of node device operational data—including device name, IP address, online status, video status, audio status, IO status, temperature, memory usage, CPU usage, and disk usage—in either tabular or categorized views.
8. Supports visualization of operational statistics reports on the maintenance platform, enabling viewing of total device count, online and faulty device counts, regional and typological analysis, online duration, alarm-triggering devices, failure rates, peak online times, and device operational duration.
9. Supports automatic alerts, centrally displaying all device alert information and operation logs. Theoretically supports unlimited entries in the database. Alert types include overheating, network disconnections, and abnormal video status. Users can handle specific alerts; upon resolution, the system records the handler and resolution time for management purposes. Logs can be exported in Excel format.
10. Supports customizable UI interfaces designed by users through drag-and-drop functionality;