Security integrated management platform software

TV-8400R software V1.0

Description

The security integrated management platform software is a comprehensive management system focused on the security field. With video surveillance as its core function, it is committed to providing all-round, efficient and safe security solutions for small and medium-sized parks. It can achieve seamless connection with network cameras, NVRs and other security equipment, covering key scenes such as building perimeters, entrances and exits, elevators, office areas, etc., and build a solid and reliable video surveillance system for customers, effectively ensuring the safety and stability of the park.

Features

The software runs on the domestic Linux operating system, adopts B/S architecture, and supports remote login web page management; it can provide management, control, data interaction, service and other functions for the security system.

*The system has comprehensive localization support, and the operating system uses the domestically produced Kylin Linux operating system.

*The system supports device access of multiple mainstream protocols (including ITC private protocol, GB28181 protocol, Hikvision SDK private protocol, Dahua SDK private protocol and Onvif protocol), and can achieve wide device compatibility and integration.

*Internal communications within the system and data interactions between the platform and the mobile terminal are encrypted using the national secret SM algorithm to ensure the security and reliability of data during transmission.

*The client supports APP and tablet access, and data communications use national secret encryption algorithms.

*The real-time preview module supports image capture, video recording, volume control, mute switch, instant playback, voice intercom, electronic amplification, stream switching, PTZ control, closing all previews, screen splitting (up to 64 screens), screen adaptation (fixed ratio, adaptive stretching), full-screen operation, system configuration, and custom resource views. It meets the diverse needs of security monitoring scenarios.

*PTZ control supports all-round angle control (including up, down, left, right, upper left, upper right, lower left, lower right), speed adjustment, focus and aperture adjustment, as well as preset points, tracks and cruise functions. In addition, it also provides an expert mode, covering 3D positioning, auxiliary focus, lens initialization, lighting control, wiper operation, manual tracking, menu settings, one-key cruise, one-key watch, lens deicing, manual face capture, synchronous field of view, regional focus, regional exposure, deployment tracking, PTZ deicing and other advanced functions to meet the user's refined operation in complex monitoring scenarios.

*The video playback function is rich and comprehensive, supporting synchronous and asynchronous playback, various playback controls (such as play, pause, reverse, fast forward, slow forward, single frame) and volume adjustment, and has practical operations such as image capture, video recording, locking recording, closing all playbacks, etc. It also provides functions such as screen segmentation with up to 64 split screens, fixed ratio and adaptive stretching screen adaptation mode, full-screen display, etc. It is also equipped with auxiliary tools such as bit stream information, system configuration, segmented playback, video labels, etc. to meet the diverse needs of users in surveillance video playback.

*It has the function of video downloading, supporting video query, batch download of videos, and download of videos in a specified time period.

*It supports image query function. You can select monitoring points or regional nodes, and select the query time period to query the captured images.

*On-map monitoring supports GIS maps and image maps, multi-region map management, and provides monitoring point editing on the map, monitoring point alarm positioning, and event details of monitoring points on the map. The map supports functions such as box selection, marking, measurement, display, alarm positioning, and display name.

*The face search function allows you to upload face pictures, search for qualified persons in snapshot records, and view person snapshot records and activity trajectories.

*It has powerful network management and control functions, visualized operation and maintenance overview charts, online rate of monitoring points, normal rate of video images at monitoring points, complete rate of video recordings, trend charts of monitoring point operation, regional resource operation charts, operation and maintenance monitoring scores, overall score trend charts, and regional score rankings. It supports viewing the details of detection.

*It has the function of configuring inspection plans and supports configuring different functional inspections in custom time periods.

*Event reporting supports personnel events (motion detection, cross-border detection, entering or leaving area detection, target capture, target comparison, etc.), vehicle events (motion detection, cross-border detection, entering or leaving area detection, electric vehicles entering elevators, etc.), alarm input (alarm input, alarm output, fire point alarm, temperature alarm, etc.), and other events (occlusion alarm, video loss, scene change detection, out-of-focus detection, etc.).

*The event retrieval function can screen events based on the region, event source, event level, start and end time, and event processing status, and supports linked playback of events.

*Security area management, supports multi-level tree-like area management, and supports Excel import of area data.

*The defense zone configuration function and the area selection function are used to set the area to which the defense zone belongs. It supports hierarchical management and facilitates users to classify and locate the defense zone.

*Personnel information management, supports organizational structure tree management, personnel information management, organizational change function, supports batch import of personnel data, supports role management, and configures the permissions corresponding to the roles.

*Encoding device management, supports adding devices with multiple protocols, supports active device discovery, importing devices, exporting devices, binding devices to corresponding areas, and adjusting area functions.

*Channel management, support for adding monitoring points to the specified area, channel related configuration (OSD settings, character overlay, video parameters, privacy protection, video occlusion alarm, motion detection alarm, video loss alarm), support for monitoring point import function, video plan template editing, video plan distribution, support for configuration of pre-recording and extended recording time

*Event linkage supports customized event linkage rule configuration. By selecting event occurrence conditions and linkage actions, you can implement operations such as SMS notification, email notification, video recording, screenshot, PTZ control, alarm output, etc. after the event occurs.

*It has advanced parameter configuration function, supports configuration of the number of users online at the same time, supports account password or SMS authentication, supports device time calibration function, and supports field desensitization function