iVMS-5000 V5.2

Integral Monitoring Management System

Overview

Adopting both C/S and B/S hybrid architecture, iVMS-5000V5.2 Integral Monitoring Management System features high stability, reliability and powerful functions. By making full use of the existing equipment and data, the system also provides perfect resource management, security management, data update and maintenance. It is capable of integrating with multiple surveillance systems distributed in different places to realize the sharing, intensive management and coordination of the monitoring resources.

Application Environment

iVMS-5000V5.2 Integral Monitoring Management System can be widely applied to the fields of finance, public security, forces, telecom, transportation, electricity, education, water conservancy, etc.

Technical Features

- **Stable and reliable access by devices**
  Benefit from the rich design and R&D experience in encoding & decoding and the advanced network technology.
- **Open architecture**
  Support interaction integration with the third-party surveillance systems through Web Service.
- **Flexible deployment**
  Adopt J2EE technology and can be easily deployed in multiple platforms.
- **Support high-definition camera application**
  Support collection, transmission, display and storage for 1.4/2.0/5.0 megapixel high-definition camera.
- **Comprehensive security performance**
  Provide a unified authentication, authorization, management mechanism.

System Modules

- **Central management server**
  Centralized and integral management for the user permissions, devices and servers.
- **Alarm server**
  Receive various alarms uploaded by devices;
  Forward alarms to the linkage terminal;
  Record alarm logs automatically for query.
- **Network recording storage management server**
  Manage the schedule configuration, recording type and storage mode of all recording and provide video search, VOD and download.
- **Stream Media Server**
  Forward real-time audio and video stream.
- **Network Management Server**
  Provide statistics and management for the information and status of users, devices and servers in the system.
- **Network Recording Server**
  Unified management of time, motion detection and alarm recording.
- **PTZ Proxy Server**
  Control PTZ according to user priority.

Functions &Features

Name	iVMS-5000v5.2 Integral Monitoring Management System
Real-time Preview	Multiple window-division display modes, and multi-screen in full-screen display; Window ratio adaptive(4:3 or 16:9); Picture capture and real-time recording in preview mode; Dynamic adjustment of brightness, contrast, saturation and hue parameter; Digital zoom and real-time playback function(C/S Client); Customized grouping patrol operations(C/S Client); Keyboard control allowed(C/S Client).
PTZ Control	Full-functional remote PTZ and lens control, including control of the pan/tilt movements, motion speed, zoom, focus, iris, lighter and wiper; Support PTZ control in preview window; Set and call preset; PTZ control according to different priority level, and allow control seizing based on user permission priority; Set and call patrol and pattern(C/S Client); 3D position(C/S Client); Keyboard control allowed(C/S Client).
Alarm Management	Provide multiple alarm types, including HDD full alarm, HDD error alarm, video loss alarm, video tampering alarm, motion detection alarm, I/O alarm, server status abnormal alarm, etc.; Provide multiple alarm linkage actions, including linkage through client software(pop-up alarm image, sound alarm, text overlay and enable alarm sound), recording linkage, PTZ linkage, alarm output linkage, decoding on TV wall, SMS linkage, email linkage, etc.; Query of alarm information by time and type; Alarm priority level management; Query and playback of the record files linked to alarm logs(C/S Client); Manual confirmation and remarks insertion of the alarm(C/S Client); Alarm arming and disarming either by single or in bulk(C/S Client).
Video Storage	Provide three recording storage modes, including front-end storage, centralized storage and local storage by client; Distributed management of storage servers; Intuitive graphical record schedule configuration; Support scheduled recording, event recording and manual recording; Power-off data protection by recording server.
Video Playback	Search of record files by combine conditions of channel, time, video type, alarm events, and storage locations; Playback by dragging the time bar, at variable speed and by single frame; Support precise positioning of playback time; Capture and clip when in playback mode; Multi-camera synchronous or asynchronous playback; Normal playback, segment playback and event playback(C/S Client); Local backup, CD backup and FTP upload backup(C/S Client); Local playback and remote playback(C/S Client); Up to 16 segments for playback(C/S Client); Search of linked record files by alarm log(C/S Client).

Monitor Screen Control	Decode by decoding card, decoder or software; Support the arrangement of monitor screen control interface according to the actual scene and zoom; Support display of high-definition images on TV wall; Decoding audio control on screen; Manual configuration of the display of either live video or playback video on screen(C/S Client); Real-time display of current output type on screen(C/S Client); PTZ control of video images on screen(C/S Client); Control of PTZ and screen via keyboard(C/S Client); Cycle decoding video according to the schedule and display on screen(C/S Client).
User Management	User and role management; Permission control for independent channel; Password modification allowed; Timer auto /manual lock and unlock of screen(C/S Client).
Device Management	Time synchronization or manual timing for all devices within the network; Support HD camera and HD dome; Remote configuration and upgrade.
Network Management	Inspection for status of devices and servers; Display of abnormal status of devices and servers; Statistics of devices, servers, users and assets, and export of information reports; Support SNMP.
Stream Media Server	Forwarding and distribution of real-time streams; VOD of device record files and centralized storage record files; Support RTSP, RTP/RTCP protocols.
Voice Talking	Voice talk between client and device; Voice broadcast from client to multiple devices; Voice talk and broadcast between clients; Send text messages between clients.
Log Management	Query and export of system logs(operation logs, configuration logs, alarm logs, device fault logs), work records and device logs; Graphics report display and print of log information(C/S Client); Play linked record files through the corresponding alarm log(C/S Client).
Asset Management	Provide multiple properties about registered assets, such as the asset type, device type, installation location, manufacturer, contractor, the responsible person and contact phone number, etc.; Query and statistics of asset reports and detailed reports according to the organization, asset type, device manufacturer, or installation time, etc.; Query and statistics of asset fault reports.