

SafeAll Recorder Integration Specification

A Recorder Integration System is a software application or platform that allows centralized monitoring and control of multiple CCTV cameras and recorders from a single interface. It provides a comprehensive solution for monitoring, recording, and managing video surveillance across various locations or sites. Here are some key features and benefits of a Recorder Integration System:

General

- **Centralized Control:** A Recorder Integration System provides a centralized interface to monitoring and control multiple CCTV cameras and recorders. It allows operators to view live video feeds, control PTZ (Pan-Tilt-Zoom) cameras, and access recorded footage from a single location, regardless of the physical location of the cameras. This centralized control simplifies video management and monitoring.
- **Multi-Site Management:** A Recorder Integration System is designed to handle surveillance systems across multiple sites or locations. It allows administrators to add and manage cameras and recorders from different sites, providing a unified view of the entire surveillance infrastructure. This is particularly useful for organizations with distributed operations or large-scale surveillance deployments.
- **Video Playback:** A Recorder Integration System facilitates video playback functionalities. It provides a user-friendly interface to search, retrieve, and play back recorded video for incident investigation or evidence purposes.
- **Mapping and Site Visualization:** Many Recorder Integration System platforms offer mapping and site visualization features. Operators can import maps or floor plans of their premises and overlay camera icons on the corresponding locations. This visual representation helps operators quickly identify camera locations, view live video feeds from specific areas, and navigate the surveillance system more efficiently.

- Notify users and central monitoring on event such as motion detection, recorder and camera failure, input active, Notify user via sound, sop, email, SMS, virtual matrix, video wall, camera and map popup.
- User Management and Access Control: A Recorder Integration System enables user management and access control, allowing administrators to assign different levels of access to operators and administrators. This ensures that only authorized personnel can access and control the surveillance system, protecting the integrity and confidentiality of the video footage.

Feature

Recorder Integration Support

- Central camera monitoring from Multi-Site, Multi-Server and Multi-Recorder.
- Unlimited number of Cameras, Recorder and Client.
- Connectivity to camera and video encoders supports MJPEG, MPEG4, MPEG4 ASP, H.264 and H.265.
- Support standard ONVIF and PSIA via DVR, NVR and VMS.
- Manual control Pan-Tilt-Zoom and presets.
- Support IP Camera, DVR, NVR, VMS, Access Control, Video Analytics, Network IO Device integration.
- Dedicated recording stream enables optimization stream properties (resolutions, encodings and frame rate) for video storage, limited on by recorder brand.
- Record 1-30 frames per second per camera, limited only by recorder brand and hardware.
- Recording on motion, event and time schedule depend on camera.
- Fine-tune motion detection sensitivity per camera manually or automatically.
- Support Pre/Post alarm recording.
- View live/playback video from 1-256 cameras per computer monitor/view depend on hardware.
- Search for recordings base on camera, event, date and time.
- Export AVI format and write to external storage.

- Playback including forward/reverse/fast/slow playback and single frame stop depend on by recorder brand.

Google Map Integration

- Marker (Icon and Alarm Symbole) and Traffic display
- KMZ support
- Zoom In/Out
- Location and marker search
- Icon action is control computer, view camera and send api

E-Map Integration

- Icon and Alarm Symbol Multi-level maps, Zoom In/Out
- Line, Box, Ellipse, Image, Text, Ruler, Angle, Polyline, Memo and Line label support
- Location and marker search
- Icon action is control computer, view camera and send api

Health Monitor System

- Camera
- Network
- DVRs, NVRs, VMSs
- IT infrastructure (server, periphery...)

Logging

- Logs of system, event Log and audit each log has adjustable time limitation in database.
- Support Pivot grid for searching and related with information searched by Graphic display.

User Management

- Able to set usage rights for each user to be different.
- Username and password protection

When selecting a Recorder Integration System, consider factors such as scalability, compatibility with your existing CCTV equipment, ease of use, and support for future expansion. It's advisable to evaluate different Recorder Integration System options, consult with vendors, and consider the specific requirements of your surveillance infrastructure before making a decision.