



SunView CMS

Sunell Professional Central Management System



System Overview

Sunell SunView CMS is professional video management software for businesses. With advanced C/S architecture, it fulfills your demands and expectations, and can be used for video management of different monitoring scales. It supports centralized management, distributed deployment, multi-user remote access. With user management, device management, server management, alarm management, map management, device configuration, real-time video, video playback, personnel archive management, data statistics, face recognition and other functions, can meet a variety of video surveillance solutions.

Key Functions

- Server/Client Based, support centralized and distributed management
- One-click installation: Without any configuration, quick installed and automatically start server
- Zero configuration: default configuration of users and permissions, server information, organization, comparison strategy, etc.
- Easy maintenance: Conveniently view server, equipment, user information, and system data can be exported and imported with one click
- Functions: Live view, Playback, Configuration maintenance, Face recognition, License plate recognition, Multi-target recognition, Attendance, Temperature monitor and Thermal imaging etc.

System Components

- Central Management Server
- Database Server
- Media Distribution Server
- Intelligent Analysis Server
- Client(PC/Mobile)

System Requirements

| Name | PC Client | Central Management Server | Media Distribution Server | Intelligent Analysis Server(CPU environment) | Intelligent Analysis Server(CPU environment) |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------------------------|----------------------------------------------|
| CPU | Intel® Core™ i5-7500 or better | Intel® Core™ i5-7500 or better | Intel® Core™ i5-7500 or better | Intel® Core™ i7 or better | Intel® Core™ i7 or better |
| RAM | 8 GB or more | 8 GB or more | 8 GB or more | 8 GB or more | 8 GB or more |
| Network Card | Gigabit/s | Gigabit/s | Gigabit/s | Gigabit/s | Gigabit/s |
| HDD | 50 GB or Above | 50 GB or Above | 50 GB or Above | 50 GB or Above | 50 GB or Above |
| OS | Microsoft® Windows® 7 Pro (64 bit) Microsoft® Windows® 10 Pro (64 bit) Microsoft® Windows® 10 Enterprise (64 bit) Microsoft® Windows® Server 2012 Microsoft® Windows® Server 2016 | | | | |
| Software | DirectX 11 or above | — | — | — | — |
| Display Resolution | 1600×960 and above, default 1920x1080 | — | — | — | — |
| Video Card | — | — | — | — | — |
| GPU | — | — | — | — | NVIDIA GTX 1050 or better |

Main Functions

General

- Applicable to local and wide area networks
- Remote configuration for added devices
- Management of user permissions
- Resetting of password via server's UID
- Support for PC keyboard shortcuts to conveniently access commonly used actions

Client

- Hardware decoding support for live view and playback

Network

- Online user verification
- Search active online devices
- Device addition via IP, domain name, UUID of p2p; batch importing of devices
- Two-way audio function

Live View

- Support for H.264 and H.265 video encoding formats
- Viewing of stream info
- Multi-window or Multi-screen live view or playback
- 1~64 window division configuration
- Live view in Fisheye mode for fisheye cameras
- Live view in panoramic mode for 32M panoramic cameras

PTZ Control

- Remote PTZ control, preset, patrol
- 3D positioning, auxiliary focus, and wiper function

Alarm Management

- Alarm configuration for motion event, intelligent analysis event
- Search and export of linked alarm log pictures
- Real-time alarm viewing
- Possibility to view latest priority alarm when viewing alarm information in the alarm pop-up window
- Support configuration alarm sounds for speech or buzzer

Recording

- Local manual recording support

Playback

- Remote playback
- Normal, event playback
- Maximum of 16-ch synchronous playback supported
- Frame extracting support for high-speed playback
- Picture grid
- Playback in Fisheye mode for fisheye cameras

Backup

- Downloading of video files to PC
- Batch backup by time period, channels

E-map

- Custom map
- Multilevel
- Online GIS-map
- Offline GIS-map
- Radar PTZ Linkage, radar zoom linkage

TV Wall

- Decoder devices management
- TV wall layout configure
- TV wall windows configure
- TV wall cruise configure

Event Linkage

- Event linkage strategy configure
- Triggered by timing or alarm event
- Linkage E-mail, PTZ, IO output

Face Recognition

- White library, black library, temporary library for Strangers
- Face trigger local alarm, remote device output alarm, e-mail, Face notice APP
- Face attendance

License Plate Recognition

- White library, black library
- LPR trigger local alarm, remote device output alarm, e-mail, LPR notice APP

Multi-target Recognition

- Snapshot of face will compare
- Real-time snapshot display and intelligent search
- Traffic statistics, people counting and management

Attendance Management

- Real-time preview of face attendance interface
- Attendance statistics and configure
- Carry out attendance related leave, supplementary signature and other

Temperature Monitor

- Real-time temperature screening
- Historical temperature search
- Body-temperature statistics
- Over temperature alarm, e-mail, APP subscribe
- Mask detection

Thermal imaging

- Capture strategy configure
- Snapshot data search
- Area temperature data search
- Historical temperature at curve graph view
- Configuring thermal imaging inspection plans and viewing records

Access Control

- Real-time access control
- TV wall layout configure
- TV wall windows configure
- TV wall cruise configure

Video data structure

- Pedestrian age, sex, whether to ride or not
- Vehicle type, brand, color and license plate

Statistics

- Device alarm, device online, traffic flow statistics

Specifications

| Capacity | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number Of Cameras | Up to 10000+ channels |
| User | Up to 5000 Users |
| Roles for each User | Unlimited |
| Live View | |
| Screen Layout | 1/ 4 /6 /8 /9 /16 /25 /32 /36 /64 layout 1/ 4 /6 /8 /9 /16 /32 /64 custom layout |
| PTZ Control | Pan, Tilt, Zoom, Edit and control, Zoom+, Zoom-, IRIS +,IRIS-, Near focus, Far focus, Focus, Orientation, Wiper, Turn on the light, Cruise, Preset |
| Image | Brightness, Sharpness, Saturation, Contrast |
| Features | Close View, Start Audio, Start Intercom, Start Record, Snapshot, Continuous Snapshot, Window Ratio, Restore, Start 3D, Full Screen, Hardware Acceleration, Open Mouse Thermometry, Show Area Temperature |
| Playback | |
| Playback | NVR recording playback Playback maximum 16 channels under several modes & full screen. |
| Function and Feature | Recording schedule, Rewind, Pause/Play, Stop, Next frame, -8x~8x speed for forward and backward, Layout display, Full screen, Download, Select progress bar format |
| Alarm | |
| Real-Time Alarm | Alarm display, Alarm processing, Alarm operation, Interface display, Toolbar alarm shortcut settings |
| Alarm Search | Time, Type, Processing status, Device name, Operation, Alarm information, Interface display setting |
| E-map | |
| Format | PNG/XPM/JPG |
| Map Alarm | Alarm flash |
| Features | Hot spot, map zoom in/out |
| User Management | |
| User Management | Add, Delete User and Role Edit and Delete User, Query user |
| User Level | Administrator, Operator |
| User Info | User name, password, user level, permissions Different default permissions for different user levels Assignable permission(s) of each IPC |
| Privilege | Menu Privilege, Channel Privilege, Face Library Privilege |
| System Configuration | |
| Base Setting | Login, alarm message, language, initial page set, video proportion, decoding method, default stream |
| File Path | Configuration picture and video save path |
| Hotkey Setting | Configuration help documentation, preview full screen, playback, real time alarm, system configuration, user management, device management, capture, lock screen, switch users, turn on/off alarm sound, start/stop record shortcut key. |
| Capture Setting | Setting capture interval |
| Log Export | Configuration log export path |