

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 to 64 window division configuration
- Live view in Fisheye mode for fisheye cameras
- Live view in panoramic mode for 32M panoramic cameras
- Support voice broadcast

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
- History alarm search
- Possibility to view latest priority alarm when viewing alarm information in the alarm pop-up window
- Support configuration alarm sounds for speech or buzzer
- Support thermal imaging alarm snapshot viewing and alarm snapshot export

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
- Custom watermarks can be added to downloaded videos

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

Capture Retrieval

- The pictures captured by the capture device configured by the event linkage module can be retrieved
- Image retrieval can be performed by time, event type, and channel device

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

- Real-time viewing of captured vehicle images, area parking statistics, license plate statistics, and other related information
- License plate search and export
- Add/delete license plate library and camera blacklists/whitelists
- LPR trigger local alarm, remote device output alarm, e-mail, LPR notice APP
- Parking lot management: Configurable parking spot quantity, full parking spot alarms, and I/O alarm linkage.

Multi-target Recognition

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

Regional Management

- Configurable area and can view the summary data of human flow and vehicle flow in each area

- You can check the area equipment and maximum capacity of people flow prevention and control in the area
- You can view the parking space settings, capture equipment, and parking spaces in the area

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

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

Specification

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