



SunView 1.2

Sunell Professional Video Management Platform



System Overview

SunView 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.

Main Function

- Server/Client Based
- 10,000+ Channels Connection, 5000+ Users
- Face Recognition, LPR
- 1,000,000 Face Library, White & Black List Alarm
- Smart Search, Face Tracking
- Multiple Screens
- Sunell Products Unified Management
- Data Statistics
- E-map

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 or better	Intel® Core™ i5 or better	Intel® Core™ i5 or better	Intel® Core™ i7 or better	Intel® Core™ i7 or better
RAM	8 GB or more	4 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

System Features

Live View

- Common layout and customized layout
- Cameras status detection
- PTZ control
- Image control
- Digital zoom
- Turn on/off the audio in live view
- Start intercom
- Manual recording
- Snapshot
- Continuous snapshot
- Window ratio
- Show title

- Display stream
- Switch the live view stream to main stream, sub-stream, or smooth stream
- Start 3D
- Full Screen
- Hardware acceleration
- Open mouse thermometry
- Show area temperature

Playback

- NVR recording playback
- Sync play up to 16 channels
- Recording schedule, Rewind, Pause/Play, Stop, Next frame, -8x~8x speed for forward and backward, Layout display, Full screen, Download, Select progress bar format

Layout

- Add/Delete layout
- Modify live layout
- Configure tour
- Support 1/4/6/8/9/16/32/64 channel layout

E-map

- Raster map, main map and sub-maps
- Up to 6-level sub-map
- Add, edit and delete the sub-map on the map
- Add, edit and delete the hot spots (camera, alarm input) on the map
- View the live video and playback on the map
- Zoom in and zoom out the map
- Supports visible range and initial angle
- Icon flashes on map when alarm occurs

Real-time Alarm

- Real-time display alarm notifications
- Alarm processing
- Playback
- Real-time video display

Alarm Search

- The follow-up date of historical alarm, alarm type, processing status, IP of device could be retrieved, and enable to process the search results single or batch individually,
- Playback alarm video

Users

- Add, edit and delete the users
- Add and delete roles
- Assign different users with different permissions
- Support user menu privilege, channel privilege, face library privilege permissions.

Devices

- Auto search
- Add, delete and edit devices
- Batch import and export

Device Configuration

- Show basic information
- Configure the devices and channels, e.g.: video encode, sensor, OSD, motion detection, etc.
- Device can login to web directly for more devices configuration.

Groups

- Through organization to achieve device group management.

Face Recognition

- Supports real-time face, vehicle, non-motor vehicle capture, and face compare.
- Supports real-time face capture pictures to add to the face library.

AI Recognition

- Supports real-time face capture and result of face comparison will be displayed.
- Supports vehicles, personnel and non-motor vehicles statistics.

Vehicle Identify

- Supports real-time license plate capture and compare.

Archives Library

- Support for creating multi-level face library directories.
- Add, delete, edit and import/export face library.

Health Archives

- Track and observe the health status of the personnel, check the body temperature trend, and the recent over-temperature dynamics.
- Filter, retrieve, and export personnel health file.

Smart Search

- Support for face images matching face similarity from the platform through the face image, and play back the track on the map.

Temperature Search

- Search the body temperature by face library, Starting / Ending time, type, temperature type, and keyword.

Strategy Configuration

- Face comparison configuration.
- License Plate configuration.
- Temperature configuration.
- Alarm mail configuration.

Thermal

- Snapshot policy
- Snapshot search
- History temperature search

Log

- Query operation log, server log, system log

Servers

- Can view the running status, performance data, and parameter configuration of the server to better understand the server running data and better maintain the system.
- Default server domain, CMU/MDU/IAU server.
- Query, configure the server parameters, backup/recovery server data.

Report Statistics

- View the alarm statistics of groups, devices, group over temperature, and person over temperature.
- View the online rate of groups and devices.

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