

Navigator 5.0 Corporate

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Navigator Software 5.0

NAV Corporate

Navigator 5.0 Corporate version supports multiple input sources, each station can record and manage up to 108 channels and support alarm trigger and output function. It can support LDAP/AP permission management, Edge AI. It provides a complete TV wall and eMap alarm display. And a very reliable disconnection recovery and backup mechanism.



Introduction

Navigator 5.0 Corporate version supports multiple input sources, each station can record and manage up to 108 channels and support alarm trigger and output function. It can support POS system, ANPR, Face Recognition, AIDA recognition. It can provide complete remote software to perform multi-site monitoring and statistics display, which can be used for various applications with LILIN IO box. It provides a complete TV wall and eMap alarm display. And a very reliable disconnection recovery and backup mechanism.

Product Feature

- Manage and record 108 IP cameras per station
- User can decide to record main stream or substream
- Integrated alarm management for various alarm outputs
- User-friendly UI and TV Wall application are supported
- Compatible with third party ONVIF Profile S IP camera
- User account customizable
- Support failover up to 36 channel per server, can monitor up to 8 recording server
- Several alarm input with logical control and support schedule management
- Support 4K UHD camera, 120FPS camera
- Support corridor mode and increase the monitoring area in the vertical narrow environment

General	
Supported OS	Windows 10&11 Embedded SAC 64bit (Professional 20H2 above), Server 2012R2, 2016
Record channel max	128 (based on host device hardware or bandwidth conditions)
Split screen	4, 9, 16, 25, 36
Support ONVIF Profile S	Authorized use
IP Scan	Supported, easy-to-setup for IP address
Video Input	LILIN IP camera, LILIN IP camera over HTTPS, LILIN Fisheye camera, LILIN IP speed dome, LILIN DVR/ NVR, LILIN DHD recorder, NAV live streaming, P2P live streaming, ONVIF camera, manual RTSP, screen capture, USB video input, picture capture
Dual stream technology (Video output)	Split Screen D1 Decoder / Full Screen 1080P/3M/4M/5M/8M/12M Decoder
Mobile Phone	iPhone and Android
NAV Command	512 command connections output (based on host device hardware or bandwidth conditions)
Max. output	180 total real-time video connections output (based on host device hardware or bandwidth conditions)
NAV live streaming	90 total connected outputs for remote playback (based on host device hardware or bandwidth conditions)
Max. output	
NAV Remote	
Playback Max. output	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
Recording	
Playback	H.265/ H.264/ JPEG
Compression	
Support ONVIF Profile S	Authorized use
Resolution	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Recording Schedule	7 days × 24 hrs time table, recording mode configurable(Always, No Record, Motion)
Recording Mode	No recording, record main stream, record substream, record dual stream, low bitrate recording mode
Assign the Recording Disk	Supported
HDD Circular Recording	Supported
customizable	
Video Reserved days	1 to 365 days
Snapshot Reserved days	1 to 365 days
Recording Calculator	Yes, dynamically calculating available recording days
Digital watermark	support digital watermark feature to ensure the backup footage is not got forged and modified
Raid System Monitor	Supported
RAID Hard disk failure notification	Supported
Storage Calculator	Supported
Low Bandwidth Mode	JPEG snapshot input and record (1 FPS, 0.5 FPS, 0.333 FPS, 0.25 FPS, 0.2 FPS, 0.167 FPS)
External Storage Recording	Support NAS (SMB/CIFS), iSCSI
Failover Archiving	Supported / can rescue 36 channels of each server
Supported	
System monitoring	
Compression mode	H.265/ H.264/ JPEG
Dual stream technology (Video output)	Split Screen D1 Decoder / Full Screen 1080P/3M/4M/5M/8M/12M Decoder
Camera Name	20 Characters
Channel Editing	Channel Editing
NAV Lock screen	Supported
Grouping setting	User can create up to 20 group, maximum number of channel up to 720

Fisheye soft solution function (Live Streaming)	Supported, 4 channel split
Fisheye Dewarp	Support Immervision lens (Ceiling and ground mounted)
	1R One Region, 3R1O Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 360 ,2P Two Panoramics 180, 8R1O Eight Regions One (Fisheye Wall mounted)
Fisheye Dewarp Mode	1R One Region, 3R1O Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 180 ,1WP One Wall Panoramic 180 , 8R1O Eight Regions One Fisheye
NVR P2P connection	Supported
Edge IVS & edge people counting	Supported
Video is in processing	Emboss, blur, Sharp, negative (Single split)
Corridor mode	Supported(IPCAM)
Digital Zoom	Yes, ePTZ supported for live and playback
PTZ control	Mouse control, zoom in/out, , Moving direction
Keyboard Keypad	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features
Privacy Mask	Supported
Sequence display	Supported
Snapshot	Supported
Text Overlay	Supported, manual input or text import
Split screen	4, 9, 16, 25, 36
Screen Events	Screen or network disconnection
NAV 2 x 2 Video Wall	Supported
NAV Matrix Monitor	Up to 8 monitors (based on server hardware)
Audio	
Audio	PCM/G.711/AAC Live monitoring, IPCAM two-way audio (NVR one-way audio), audio recording
eMap	
Electronic map control Live monitoring (offline)	Each map can see 4 live video at the same time
Electronic map control (offline)	Support up to 36 maps (JPG)
Electronic map marker (offline)	Each offline map can support up to 36 camera marks
eMap Alarm Snapshot	Motion detection / external alarm / audio detection alarm / face detection / face recognition alarm/ LPR alarm
Electronic map 2 x 2 video wall (offline)	Supported
PTZ control	Supported
Alarm Snapshot	Digital output controllable, snapshots, and alarm popup
Alarm Management	
Alarm Scheduling	Up to four alarm tables with AND logic
	Remote digital input, remote IVS detection, remote tamper detection, remote audio detection, external IO, motion detection, NAV CGI Triggering, video loss detection, speed measurement detection, ANPR detection, facial recognition, remote ANPR detection, QR code detection, AIDA behavior detection
Alarm Input	Play audio file, send email notification, PTZ preset, digital output triggering, full screen, post alarm record, pre-alarm record, advanced alarm digital output, send customizable HTTP POST CGI URL to third party device, alarm ACK, alarm snapshot, text overlay, App cloud push notification, NCC TV wall ACK, NCC eMap Center Alarm, NCC play sound, NCC global alarm setting, all these action can be automatic or scheduled
Alarm Output	LILIN NVR digital output, LILIN DHD recorder digital output, LILIN IP camera digital output, LILIN IOBOX digital output, third party TCP/IP digital output supported.
Digital Output	Error in Writing the File, System status exception warning, Database error, Device Management Report Alarm
Host System Alerts	

Playback	
Playback Speed	Fast Rewind: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X Slow Rewind: -1/8, -1/4, -1/2 Fast Forward: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X Solow Forward: 1/2, 1/4, 1/8
Playback Search	Date, time, Smart search, Alarm search, POS, ANPR search, Face search, Face trace search (in Face recognition server only), Tagging search
Playback Tagging	Video tagged will not be delete during data overwriting process
Playback Compression	H.265/ H.264 /JPEG
Multiple Channel Playback	Up to 36 channels simultaneous playback
Remote Playback	Remote multiple channel playback for SD card, DVR/DHD/NVR, and Navigator server
Remote NAV Live Video	Multiple channels of HD, SD, and low bitrate modes supported
Remote DVR/DHD/ NVR Video	Multiple channels of DVR/DHD/NVR supported
Backup	NAV/DVR/DHD/NVR remote file download, AVI and MP4 conversion and JPEG snapshots
Backup Time	Support up to seconds
Remote NAV backup	NAV/DVR/DHD/NVR remote backup, AVI and MP4 conversion and JPEG snapshots
User Management	
Account Freezing Process	Supported
User Group Management	Centralized user management database up to 512 user groups and 1000 users per group
LDAP/AD User Management	Supported
Access right manageable	Supported
Camera access and function	Supported
Quick device search	Supported
Sync with this machine	Supported
Sync with this remote	Supported
Database Management	
Database	Database configuration database import & export, CSV file, report, and maintenance
Event Search Filter	User log report, event report, POS event report, ANPR event report, object counting report, AI event report, TAG report, NAV Status, GPS report, Face detection report, Server report
IVS Statistics	Supported
Fast playback of events	Supported
(DB Manager) Central Management	Event logs from multiple stations
Access Log	Complete access log in database manager
System advanced setting	
Startup setting	Auto run NAV when system start, Auto sequence after reboot Auto Login when system start, Low latency mode, Enable Navigator VD22 TVWALL module after reboot, Enable Navigator QR code decoder server module after reboot, Enable USB scanner tool module after reboot, Enable Navigator eMap Manager module after reboot, Enable Recording health checker module after reboot
PC Time Sync	Can be setup every 1, 2, 4, 6, 12 or 24 hours
Rename event name	Support, custom event name
Keyboard Keypad	Support, PIH-931D (ID code)
Snapshot Path customizable	Supported
Snapshot File Prefix customizable	Supported
Event Thumbnails bar length customizable	Auto, 3 to 13 snapshots in a bar (FACE · ANPR · Traffic incident)

System Management&WatchDog	
System Reboot Setting	Instant, Reboot at system reboot time
System Memory and Reboot Setting	System The limit of program memory usage, ""Navigator"" the limit of program memory usage, ""Navigator MStreaming Server"" the limit of program memory usage, ""Navigator Archive Manager"" the limit of program memory usage, ""Navigator eMap Manager"" the limit of program memory usage, ""Aida"" Power reboot after the times of application reboot
System Limit Setting	Limit max CPU usage, The limit of disk queue length, The limit of disk response time, The limit of disk active time in percentage, The output queue length limit of the network packets The limit of network IO throughput ""Navigator Playback Manager"" The limit of program memory usage ""Navigator Remote Playback Manager"" The limit of program memory usage
Playback Time	Yes, (Hour)
Decode Mode	GDI, Intel GPU, Nvidia GPU (subject to host device hardware or bandwidth conditions)
Anti-aliasing mode	Supported
System reboot	Yes, (Hour)
Grouping	
Grouping setting	User can create up to 20 group, maximum number of channel up to 720
Quick add device functions	Supported, easy-to-setup for IP address
Recording Time	
Real-time monitoring recording time	Available Recording Space, Remaning Recording Space, Average Frame Size, Total Recording time, Remaning Recording Time
Real-time monitoring of hardware and user connections	CPU usage, NAV memory usage, HTTP 8021 memory usage, system memory usage, number of user connections and recordings
Network Setting	
Web Interface	Live web interface
Mobile Phone	iPhone and Android
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE/ SDDP
NAT Forwarding(NAV)	Supported
Local area network NAS hard disk function	Supported
Surrounding	
ANPR Plug-in	Optional
FACE Plug-in	Optional
Amber Alarm System	Optional
Keyboard Keypad	Optional
Real-Time HD Video Decoder	Optional
Basic Hardware Requirements	
CPU Minimum Requirement	Intel Core I5-8500 or above (subject to host device hardware or bandwidth)
RAM Minimum Requirement	DDR4 16GB or above
GPU Minimum Requirement	Intel HD630 and GTX 1650 4GB or above
Network Interface Card	1GbE recommended or above