

# Navigator 3.0 Corporate

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## Navigator Software 3.0

### NAV Corporate

Navigator 3.0 Corporate records and manages up to 108 cameras of H.265/H.264/MJPEG HD IP cameras or DVR's / NVR's cameras. It can also support up to 108 channels IP cameras on multiple monitors for TV Wall application.



### Introduction

Navigator 3.0 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

Navigator 3.0 Corporate	
General	
Supported OS	Windows 10 64 bit (Version 1809 and above), Windows Server 2012R2, 2016
Live Video	Up to 108 channels
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
Maximum network throughput	Upload: up to 5000Mbps, Download: up to 5000Mbps (based on hardware specifications)

Recording	
Recording resolution & speed	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Recording Mode	Schedule recording / Alarm recording / Manual recording
Record Options	No recording, record main stream, record substream, record dual stream, low bitrate recording mode
HDD Circular Recording customizable	Supported
Video Reserved days	1 to 365 days
Snapshot Reserved days	1 to 365 days
Raid System Monitor	Supported
RAID Hard disk failure notification	Support LSI RAID
Daily System Reboot time adjustable	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)
Recording Schedule	7 days x 24 hrs time table, recording mode configurable
Assign Recording Disk	Supported
Recording Calculator	Yes, dynamically calculating available recording days
External Storage Recording	Support NAS (SMB/CIFS), iSCSI

Startup setting	
Auto run NAV when system start	Supported
Auto sequence after reboot	Supported
Auto Login when system start	Supported
Low latency mode	Supported
Enable Navigator VD22 TVWALL module after reboot	Supported
Enable Navigator Archive Manager module after reboot	Supported
Enable Navigator QR code decoder server module after reboot	Supported
Enable USB scanner tool module after reboot	Supported
Enable Navigator eMap Manager module after reboot	Supported
Enable Recording health checker module after reboot	Supported

Snapshot setting	
Snapshot Path customizable	Supported
Snapshot File Prefix customizable	Supported
Event Thumbnails bar length customizable	Auto, 3 to 13 snapshots in a bar

Alarm Management	
Alarm Input	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 Output	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
Digital 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.
Alarm Scheduling	Up to four alarm tables with AND logic

Playback	
Playback Speed	Fast Rewind: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X Fast Forward: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X
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 backup, AVI and MP4 conversion and JPEG snapshots
Remote Navigator Backup	Multiple channels remote Navigator backup supported
Watermark checker	DVR/DHD/NVR and NAV backup video checker
Failover	Supported / can rescue 36 channels of each server
Archiving	Supported

System monitoring	
Camera Name	20 characters
Channel Editing	Mouse drag-n-drop
Grouping setting	User can create up to 20 group, maximum number of channel up to 720
Fisheye Dewarp	Support Immersion lens
Fisheye Dewarp Mode	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 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
Digital Zoom	Yes, ePTZ supported for live and playback
Privacy Mask	Supported
Sequence display	Yes
Split Screen	4, 9, 16, 25, 36
2 x 2 Video Wall	Yes
Matrix Monitor	Up to 8 monitors (based on server hardware)
Event Table	Various alarm log, video loss, stop recording, schedule, logon, operation log
(Alarm)Central Management	Centrally monitor, collect, and manage alarm messages from multiple servers
PTZ Protocol	ONVIF PTZ
Audio	PCM/G.711/AAC, two-way audio, audio recording
POS / Barcode Scanner	Third party TCP/IP/ RS-232 / Bluetooth supported / HID USB Barcode scanner
Keyboard Keypad	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features

eMap	
eMap Live Monitoring (online)	Each map can see 64 live video at the same time
eMap Live Monitoring (offline)	Each map can see 64 live video at the same time
Auto Switch to the Map of Alarm Event	Supported
eMap Alarm Snapshot	Motion detection / external alarm / audio detection alarm / face detection
Alarm Event Actions	Snapshots
(eMap)Online Maps	Support up to 128 maps
(eMap)Offline Maps	Support up to 128 maps
Number of Mark for Online Map	Each online map can support up to 5000 camera marks
Number of Mark for Offline Map	Each offline map can support up to 500 camera marks

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
(DB Manager)Central Management	Event logs from multiple stations
Access Log	Complete access log in database manager

Remote	
Web Interface	Live web interface
Mobile Phone	iPhone and Android
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE/ SDDP
Max number of connection	Up to 512 connections Note: The number of connections may increase or decrease according to network bandwidth or host hardware limitations
IP Scan	Supported, easy-to-setup for IP address
DST	Daylight saving time by Windows OS
PC Time Sync	Can be setup every 1, 2, 4, 6, 12 or 24 hours
Time Sync with PC	IP camera, DVR/DHD/NVR devices, IOBOX
Languages	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Iran, Bengali and Vietnamese

Hardware requirement	
CPU Minimum Requirement	Intel® Xeon® E5-2620 v4 or Intel Core I7-10700 or above
RAM Minimum Requirement	16GB or above
GPU Minimum Requirement	GTX 1650 4GB or above
Network Interface Card	1GbE recommended or above

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