

Navigator Control Center 5.0

www.meritlilin.com

Navigator Control Center 5.0

NAV Control Center

The LILIN Navigator Control Center is an integrated security management software that can be used in central monitoring station.



Introduction

The LILIN Navigator Control Center is an integrated security management software that can be used in central monitoring station. It can control up to 4,096 NAV servers, display multiple windows at the same time (up to 144 cameras each) and build a customized TV wall with alarm notifications. It also includes intelligent video analytics functions to reduce false alarm.

Product Feature

- Hierarchical management for Navigator Corporate servers
- Manage up to 4096 NAV Corporate servers
- Centralized user management database up to 512 user groups and 1000 users per group
- Centralized view groups management database for Navigator Clients up to 144 channels per group
- Pre-configured video groupings for user login
- Support spot monitor for viewing different group
- Support AI recognition and behavior detection
- Assign specific camera to NAV server for recording
- Remote control multiple channels playback and backup
- Centralized event, alarm, and operation status report management for Navigator servers

General	
Supported OS	Windows 10&11 Embedded SAC 64bit (Professional Edition 20H2 or above), Server 2012R2, 2016
Split screen	1~144, User-defined
Multi-tier Architecture Administrative System	Support multi-layer tree structure management system, up to 64 layers, each layer up to 64 NAV servers User Management Camera access and function access right management
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, ONVIF camera
Dual Stream Technology (Video output)	Split screen D1 decoding, full screen 1080P/3M/4M/5M/8M/12M decoding
LDAP/AD User Management	Supported
Grouping setting	512 user groups and 1000 users per group
NAV Recorder Management	Manage up to 4096 NAV Corporate servers
IP Device Management	Simultaneously controls up to 65000 LILIN IP cameras, IP speed domes, DVR/DHD/NVR and NAV Live servers
AI event search and playback	Supported
Web browser	Edge
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
Central Control Management Function	
Multi-tier Architecture Administrative System	Support multi-layer tree structure management system, up to 64 layers, each layer up to 64 NAV servers User Management Camera access and function access right management
LDAP/AD User Management	Supported
User Management	Camera access and function access right manageable
Local Server Backup	ViewManager Profile, User Accounts, ANPR, Facial Recognition, NAVcamera configuration, eMaps
Remote Server Backup	Temporally backup from NAV To NCC Temporally backup from NCC To NAV
Sync Server	User account DB, NAV camera configuration, Facial recognition allowed and denial DB, ANPR allowed and denial DB, NCC camera configuration, eMaps configuration, Remote Group Name
Add NAV Server Function	Manual
Assign Specific Camera View to NAV Server for Recording	Supported
Advance Alarm DO Setting	Supported
Advance Alarm DO Shortcut on Viewer Manager	Supported
Add LPR Camera	Supported
Video Inputs	LILIN IP camera, LILIN IP camera over HTTPS, LILIN Fisheye camera, LILIN IP speed dome, LILIN DVR/ NVR, LILIN DHD recorder, NAV live streaming, ONVIF camera
Camera Status Management	Camera connection, authentication, view set up, and recording statuses
Camera Preview	Yes
Batch IP Cameras Settings	Username and password
Live View	
Compression mode	H.265/ H.264/ JPEG
Dual stream decoding (video output)	Split screen D1 decoding / full screen 1080P/3M/4M/5M/8M/12M decoding
Camera Name	20 characters
Camera View Group	Drag-n-drop, DVR/DHD/NVR channels import, and channel switching
View Group Channels	Up to 144 simultaneous display (subject to host device hardware or bandwidth conditions)
Camera view group	Custom user groups and adjust group access according to individual username

OSD (On-Screen Display)	People counting/object counting/tripwire detection/ license plate/POS string
Spot Monitor	Yes, live sequence display and playback
View Manager Lock Screen	Supported
Fisheye Software Solution Function (live image)	Support, 4 channels 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 Dewarp Mode	(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
NVR P2P	-
Edge IVS & edge people counting	Supported
Image Processing Mode	Emboss, Blur, Sharp, Negative Film (single division)
Corridor Mode	Support (IPCAM)
Digital Zoom	Yes, ePTZ supported for live and playback
PTZ Presets Naming	Supported
PTZ Control	Yes, on-screen PTZ control and button control
Privacy Mask	-
Sequence display	Supported
Snapshot	Supported
Screen Event	Screen/network disconnection
Audio	
Audio	PCM/G.711/AAC live monitoring (one-way audio)
eMap	
Electronic map live monitoring (offline)	Up to 64 IP cameras/DVR/NVR live images for each map at the same time
Electronic map (offline)	Up to 128 offline maps(JPEG)
Electronic map live monitoring (online)	Up to 64 IP cameras/DVR/NVR live images for each map at the same time
Electronic map (online)	Up to 128 online maps
Electronic map marker (offline)	Up to 36 camera marks per offline map
Electronic map marker (online)	Up to 1024 camera marks per online map
Electronic map alarm snapshot	Motion detection / external alarm / sound detection / face detection / face recognition / license plate recognition
GPS Track	Support, GPS fleet movement track and map tracking, map live traffic conditions and playback
Live Recording of Alarms and Events	
NCC Counter (traffic behavior)	Detection Zone, Parking Space Counting, Zone with Dwell/Parking Violation Tripwire / Traffic Flow, Leftturn Detection, Right-turn Detection, Wrong way Detection, Left-turn Violation, Right-turn Violation, Queuing Detection, U-turn Violation, Left-turn Violation on Red Light, Right-turn Violation on red light
NCC Counter (automatic time range)	Yes, reset time period and auto-rerange
Counter upper limit	Can be embedded into the camera canvas and support up to 64 groups
Chart upper limit	Statistical charts in HTML5 format, which can be embedded into the camera canvas and support up to 64 groups
NCC Chart (statistical chart category)	Bar Chart, Line Chart, Pie Chart, Stepped Chart
NCC Chart (Time Interval)	1, 4, 12 hours, 1 day, 1 week
NCC Chart (Traffic Behavior)	Detection Zone, Parking Space Counting, Zone with Dwell/Parking Violation Tripwire / Traffic Flow, Left-turn Detection, Right-turn Detection, Wrong way Detection, Left-turn Violation, Right-turn Violation, Queuing Detection, U-turn Violation, Left-turn Violation on Red Light, Right-turn Violation on red light

NCC Chart (Vehicle Type)	Person, Bicycle, Car, Motorbike, Bus, Train, Truck, boat, TUK TUK, Truck Trailer, Pickup Truck, Fire Engine, Sedan, Van
Alarm Trigger	PC alarm sound, designated IP camera alarm DO output, eMail photo output, PTZ preset point output, notification TV wall projection, emap marker display
Database Management	Various alarm events, screen/network disconnection, login and logout, operation event table
NAV host maintenance status	NAV host maintenance status
Alarm Output	Support other brands via TCP/IP network control output
ANPR Plug-in	Optional
FACE Plug-in	Optional
TV Wall	
Video Decoder	LILIN VD022 for video wall
Physical Monitors	Up to 1440 physical remote monitors supported by network (based on number of video output available on external graphic card from dedicated server)
Rooms of the Wall	199 rooms supported for various monitor layouts
Video Wall Monitor	Each room can allocate up to 144 monitors to be combined freely
Channel Groups	128 channel groups per room to layout various channels within the same
Import View From Client to TV Wall	Support, View Manager canvas template
Video Channel	Up to 144 channels per TV wall group
TV Wall	Up to 144 channels per monitor, resolutions up to 12M
Display One Camera Over Several Monitor	Supported
Sequence Mode	Supported
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, Alarm search, POS, ANPR search, Face search, Face trace search (in Face recognition server only), Aida search
Playback Tagging	-
Playback Compression	H.265/ H.264 /JPEG
Multiple Channel Playback	Up to 36 channels simultaneous playback
Multi-channel synchronous playback	Simultaneous playback of up to 36 screens (subject to host device hardware or bandwidth conditions)
Camera asynchronous playback	Playback at different time points
Remote Playback	Remote multiple channel playback for SD card, DVR/DHD/NVR, and Navigator server
Instant video playback	Quick playback from 5 minutes ago
Remote NAV live video	Yes / Megapixel or D1 resolution connection
Remote DVR/DHD/ NVR image retrieval	Support NAV host/DVR/DHD/NVR/IP camera SD card, etc. equipment, up to 36 channels of simultaneous playback and 36 channels of backup
Storage Backup	NAV/DVR/DHD/NVR remote file download, AVI and MP4 conversion and JPEG snapshot
Digital watermark (Video tamper resistance)	Support digital watermark feature to ensure the backup footage is not got forged and modified
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, Alarm search, POS, ANPR search, Face search, Face trace search (in Face recognition server only), Aida search
Playback Tagging	-
Playback Compression	H.265/ H.264 /JPEG

Multiple Channel Playback	Up to 36 channels simultaneous playback
Multi-channel synchronous playback	Simultaneous playback of up to 36 screens (subject to host device hardware or bandwidth conditions)
Camera asynchronous playback	Playback at different time points
Remote Playback	"Remote multiple channel playback for SD card, DVR/DHD/NVR, and Navigator server"
Instant video playback	Quick playback from 5 minutes ago
Remote NAV live video	Yes / Megapixel or D1 resolution connection
Remote DVR/DHD/ NVR image retrieval	Support NAV host/DVR/DHD/NVR/IP camera SD card, etc. equipment, up to 36 channels of simultaneous playback and 36 channels of backup
Storage Backup	NAV/DVR/DHD/NVR remote file download, AVI and MP4 conversion and JPEG snapshot
Digital watermark (Video tamper resistance)	support digital watermark feature to ensure the backup footage is not got forged and modified
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
Encryption	AES-256 encryption
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, 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 Settings	
System Auto Start Setting	Automatically start this program when the NCC system starts, automatically log in NCC, automatically execute View Manager (full screen mode), automatically execute alarm manager, automatically execute TV wall controller, automatically execute central control electronic image control
Screen Saving Function	Live image, playback, key frame decoding
Display Message Enlargement	Yes, double the size of message font
Display AI text OSD	Supported
GPU Mode	GDI, Intel GPU, Nvidia GPU (subject to host device hardware or bandwidth conditions)
Connection Type	Direct NVR/Camera streaming mode or NAV relay streaming mode
Streaming Mode	Single stream and dual stream, low bandwidth stream
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
Alarm Snapshot Path	Yes, custom path
Snapshot Path	Yes, custom path
Playback Time	Yes, up to 24 hours
Anti-aliasing Mode	Supported

System Backup	Local backup, remote backup, data storage to remote device
System Memory and Watchdog Settings	
System Reboot Setting	Instant, Reboot at system reboot time
System Memory and Reboot Setting	"System The limit of program memory usage, ""Mosaic TVWall"" the limit of program memory usage, ""Control Center""the limit of program memory usage, ""View Manager""the limit of program memory usage, ""eMAP Center""the limit of program memory usage, ""Alarm Center""the limit of program memory usage"
System Limit Setting	Limit max CPU usage,
Surrounding	
ANPR Plug-in	Optional
FACE Plug-in	Optional
Amber Alarm System	Optional
Basic Hardware Requirements	
CPU Minimum Requirement	Intel Core I5-8500 or above (subject to host device hardware or bandwidth conditions)
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