NAV16072B NAV 72CH Recorder

HDMI

DisplayPort

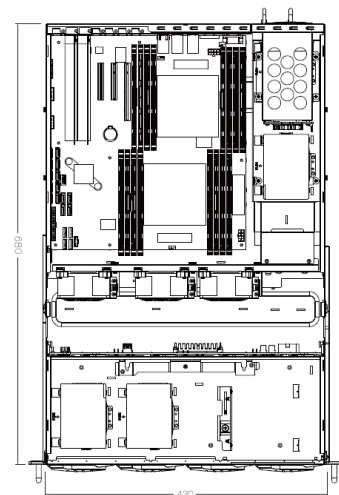**H.265 / H.264**

SSD

12MP 12-megapixel

- ▶ Up to 72 channels 1080P/3M/4M/5M/8M/12M Network streaming, recording
- ▶ built-in 1 × 500GB 2.5 Inch SATA SSD (OS)
- ▶ Support up to 16 × Hot-swap 3.5 Inch SATA HDD (recording)
- ▶ Support failover up to 36 channel per server
- ▶ Dual streaming decoding mode supported
- ▶ 2 monitors support up to 36 channels in total (480P 15fps)
- ▶ Support multi-channels synchronized playback (remote or local)
- ▶ Support Fisheye camera dewarping
- ▶ Built-in dual port Gigabit Ethernet, RJ-45 × 2
- ▶ Redundant Power Supply
- ▶ 3U dimension for rackmount cabinet
- ▶ LSI SAS 9361-8i RAID

Introduction

LILIN NAV16072B 72channelsrecorder supports LILIN IP cameras, PTZ dome IP cameras, DVRs, and NVRs. The recorder features up to 72channels 1080P/3M/4M/5M/8M/12M Network streaming, recording The recorder is equipped with hardware RAID. It has built-in dual port Gigabit Ethernet and supports 2 monitors. Multi-channels playback for remote or local NAV, failover, video archive, and video sync are supported NAV16072B is capable of continuous and schedule recordings. Supports alarm detections including motion, alarm, audio, IVS, and ANPR (Optional) for triggering various alarm outputs. NAV16072B also support up to 1080P 120FPS and 4K 30FPS video streams. Simultaneous playback for 36-ch, 2 monitors support, camera groupings, authentication, two-way audio, and dual-streaming provide extra flexibilities for the video management system. Supports the flexibility of quickly adding devices easily.

Dimensions

133 (H) × 430 (W) × 680 (D) mm

NAV 72CH Recorder

Basic Spec

Model	NAV16072B
Network video support	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
Chassis	3U Chassis
Network video input	Up to 72 channels 1080P / 3M / 4M / 5M / 8M / 12M
Network video format	H.264 / H.265 / MJPEG
Maximum network throughput	Upload: up to 500Mbps, Download: up to 500Mbps
Internal HDD / Swap Drive Bay	built-in 1 × 500GB 2.5 Inch SATA SSD (OS) Support up to 16 × Hot-swap 3.5 Inch SATA HDD (recording)

Video input

Support quantity	Max. 72 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Fisheye Dewarp Mode	Ceiling and ground mounted 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 360, 2 P Two Panoramics 180, 8 R1O Eight Regions One Fisheye Wall mounted 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 180, 1 WP One Wall Panoramic 180, 8 R1O Eight Regions One Fisheye
Digital zoom	Yes, ePTZ supported
Privacy Mask	Supported
Remote monitoring	Yes, web and NAV Client

Video output

HDMI output	1 × HDMI Port 1.2, (4096 × 2160@24Hz)
DVI output	1 × DVI-D Port, (1920 × 1080@60Hz)
DisplayPort output	1 × DisplayPort 1.4, (4096 × 2304@60Hz)
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M / 12M resolution
Multi-screen	2 monitors support up to 36 channels in total (480P 15fps)

Recording mode

Recording mode	Alarm, motion, schedule, and manual
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Recording resolution & framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Alarm recording	Remote digital input, remote IVS detection, remote face 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 LPR detection, QR code detection, aida behavior detection
Audio recording	Yes
Circular recording	Yes / size customizable
Limited recording	Yes / days customizable
Failover	Supported
Video archiving	Yes
Low bitrate recording	Yes
Remote network NAS	Support NAS (SMB/CIFS), iSCSI

Playback

Playback search	Date, time, Smart search, Alarm search, POS, ANPR search, Face search, Face trace search (in FR server only), Tagging search
Playback resolution and framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps
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
Backup / Video input	Max. 36 channels, AVI & MP4 file format supported
Remote video	NAV Server / Navigator Client / DVR / NVR / IP camera SD card supported up to 36 channels

Alarm / event

Alarm management	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 recording	Pre-alarm:1 ~ 10 seconds and post-alarm: 1 sec ~ 59 minutes
Alarm Scheduling	Up to four alarm tables with AND logic
Alarm event actions	Various alarm log including video loss, stop recording, schedule, logon, operation log
Digital output	Controllable via IP cameras

Video archiving

Video archiving & sync	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server / NVR / DVR / IP camera SD card.

Accessories

Keyboard	PIH-931D keyboard controllable via rs-485 to usb converter for PTZ, ePTZ, and ROI features
Audio	PCM/G.711/AAC, two-way audio, audio recording
POS	Third party TCP/IP/ RS-232 / Bluetooth supported / HID USB Barcode scanner
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE / SDDP
Mobile support	LILINViewer, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client software
eMap	Supported
eMap Live Monitoring	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	Digital output controllable, snapshots, and alarm popup
(eMap)Central Management	Centralized monitoring channels from multiple server
(eMap)Online Maps	Google map and Baidu map up to 128 eMap, GPS devices supported
Number of Mark for Online Map	Each online map can support 5000 camera mark
Number of Mark for Offline Map	Each offline map can support 500 camera mark

Hardware

CPU	Intel® Core ™ i7-8700
RAM	16GB (2 × DDR4 8GB)
Chipset	Intel® C246
Display card	1 x NVIDIA GT 1030 2G
Ethernet Ports	2 × RJ-45 1GbE
Audio	5 × Audio jack(s), 1 × S/PDIF
Rear panel USB port	6 × USB 3.0
System fan	3 × System Cooling
Hot spare	support
RAID Control	LSI SAS 9361-8i RAID
RAID Mode	RAID 0, 1, 5, 6, 10, 50
SSD / HDD	built-in 1 × 500GB 2.5 Inch SATA SSD (OS) Support up to 16 × Hot-swap 3.5 Inch SATA HDD (recording) Note: Do not use WD Purple HDDs for NAV HDD installation. Please use 7200RPM WD Red Pro for non-RAID installation, WD (Gold) Enterprise HDDs for RAID installation, or other Enterprise HDDs

Other

Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
OS	Windows 11 Enterprise SAC
DST	Daylight saving time by Windows OS

Power and environment

Power consumption	800W
Power supply	110V ~ 240V Redundant Power Supply
Operating Temperature	10°C ~ 40°C(50°F ~ 104°F)
Storage Temperature	0°C ~ 70°C(32°F ~ 158°F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	133 (H) × 430 (W) × 680 (D) mm
Color	Black
Weight	75 lbs (34kg) - Gross