HDMI DisplayPort H.264 / H.265

SSD 1080P GbE

Introduction

LILIN NAV1108C Recorder supports all series of LILIN product such as LILIN IP cameras, PTZ ,IP cameras, DVRs and NVRs. This recorder can support up to 108 channels of 1080P/3MP/4MP/5MP/8MP/12MP resolution for live display, playback and recording.

It can support up to 24 of 3.5 inch Hard disks and the failover feature is supported with dual streaming. dual monitor can support up to 36 division view at the same time. The multi-channel playback is also supported. The network interface cards are built-in with 1GbE and 10GbE.

NAV1108C is capable of supporting continuous and schedule recordings. Various alarm detections including motion, audio, IVS, and ANPR (Optional) for triggering various alarm outputs. NAV1108C also supports up to 1080P with 120FPS and 4K 30FPS video streams.

NAV Navigator is able to create and add permission to the groups. It supports LDAP/AD user management and works with multiple external alarm systems. It is compatible with ONVIF Profile S for the third party cameras. The corridor mode in the live image is supported which increases the monitoring area in vertical narrow and long environment.

·   1080P/3M/4M/5M/8M/12M Network streaming, recording
·   Paired with AI IPCAM 36 channes
·   built-in 1 × 500GB 2.5 Inch SATA SSD (OS)
·   Support up to 24 × 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 108 channels in total (480P 15fps)
·   Support multi-channels synchronized playback (remote or local)
·   Support Fisheye camera dewarping
·   Built-in one port 1GbE RJ-45 × 1
·   Built-in one port 10GbE RJ-45 × 1
·   Built-in 1200W 1+1 redundant PSU
·   4U dimension for rackmount cabinet

Basic Spec

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	4U Chassis
Network video input	Up to 128 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 24 × Hot-swap 3.5 Inch SATA HDD (recording)

Video input

Support quantity	Max. 128 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 2.0b, (4096 × 2160@60Hz)
VGA output	No support
DisplayPort output	3 × 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
Motion recording	36ch
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	LILIN Pro&Home, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client software
eMap	Supported

Hardware

CPU	Intel® Xeon® Silver 4208
RAM	32GB (2 × DDR4 16GB)
Chipset	Intel® C621
Display card	1 × RTX 3060
Ethernet Ports	1 x Aquantia® AQC107 10GbE 1 x Intel® I210-AT with 1GbE
Audio	5 × Audio jack(s), 1 × S/PDIF
Rear panel USB port	5 x USB 3.1 (Gen2) Type-A 1 x USB 3.1 Type-C
Front panel USB port	2 x USB 3.0 Type-A
System fan	3 × System Cooling
Hot spare	support
RAID Control	LSI SAS 9362-8i 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 24 × 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, Polish
OS	Windows 11 IoT Enterprise 22H2 GAC
DST	Daylight saving time by Windows OS
Warranty	3 years

Power and environment

Power consumption	1200W
Power supply	110V ~ 240V Redundant Power Supply
Operating Temperature	0° C ~ 50° C(32° F ~ 122° F)
Storage Temperature	-20° C ~ 70° C(-4° F ~ 158° F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	177 (H) × 430 (W) × 680 (D) mm
Color	Black
Weight	81.6 lbs (37kg) - Gross

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