



NAV 108CH Recorder



Features

- ONVIF Profile S, LILIN IP cameras, PTZ domes, DVRs, and NVRs supported
- Up to 108-ch 1080P/3M/4M/5M/8M network streaming, recording, and display
- Built-in hardware RAID system, Support up to 8 x 3.5" hot-swap HDDs
- Failover, video archive, and Smart Search supported
- Dual streaming decoding mode supported
- Dual monitors supported, up to 108-ch video display
- Support multi-channels playback for remote or local NAV
- Support image archiving mechanisms
- Built-in dual port Gigabit Ethernet
- Provide up to 500Mbps upload and 500Mbps download network speed

Description

LILIN NAV08108A 108-ch Recorder supports LILIN IP cameras, PTZ dome IP cameras, DVRs, and NVRs. The recorder features up to 108-ch 1080P/3M/4M/5M/8M network streaming, recording, and display.

The recorder equips with hardware RAID. It has built-in dual port Gigabit Ethernet, and dual monitors. It

also supports multi-channels playback for remote or local NAV. Failover, video achieve, and video sync are supported.

NAV08108A is capable of supporting continuous and schedule recordings. Various alarm detections include motion, alarm, audio, IVS, and ANPR (optional) for triggering various alarm outputs. NAV08108A also support up to 1080P 120FPS and 4K 30FPS video streams.

Simultaneous playback for 108-ch, dual monitors support, camera groupings, authentication, two-way audio, and dual-streaming provide extra flexibilities for the video management system.

Specifications

| Model | NAV08108A |
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| Supports (Video Input)/Network video support/IP video supports | ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server |
| Input(IP video input) | Up to 108 channels at 1080P/3M/4M/5M/8M |
| Network video Format | H.264/MJPEG |
| Maximum Network Throughput | Upload: up to 500Mbps Download: up to 500Mbps |
| Internal HDD | 8 x Hot-swap 3.5" SATA HDD |
| Recording schedule | 7 days x 24 hrs time table, recording mode configurable |
| Application/ Recording Mode | Alarm, motion, schedule, and manual |
| Recording speed | Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps, and ROI recording supported |
| Recording Resolution | 3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480/720 × 576), 320 × 240 |
| Audio Recording | Yes |
| Circular recording | Yes / size customizable |
| Limited recording | Yes / days customizable |
| Video Archiving | Yes |
| Low bitrate recording | Yes |
| Remote Network RAID | Yes |

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| Playback Search | Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging |
| Playback Resolution | 3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480/ 720 × 576), 320 × 240 |
| Playback Speed | FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X |
| Back up | Max. 36 channels, AVI file format supported |
| Remote video (Playback) | NAV Server/Navigator Client/DVR/NVR/IP camera SD card supported, max. 36 channels |
| Video input (Support quantity) | Max. 108 channels |
| Camera name | 20 characters |
| Channel editing | Mouse drag-n-drop |
| Digital zoom | Yes, ePTZ supported |
| Grouping (Video input) | User grouping authentication assignable for eMap, and Navigator 2.0 |
| Remote monitoring (Video input) | Yes, web and NAV Client |
| HDMI output | 1 x HDMI port 1.4b (1920 x 1080@60Hz) (4096 x 2160@24Hz) |
| Output (Video output) | 1 x DisplayPort 1.2 (1920 x 1080@60Hz) (4096 x 2304@60Hz) |
| TV Wall | Dual screen, max. 108 channels 1080P/3M/4M/5M/8M |
| Split Screen | 4, 9, 16, 25, 36 |
| Dual stream technology (Video output) | Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution |
| Multi-screen (Video output) | Dual-screen, max. 108 channels |
| Video archiving & sync. | Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card. |
| Alarm recording | Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (optional) |

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| Alarm Management | Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall |
| Alarm recording(Alarm / event) | Pre-alarm:1 – 10 seconds and post-alarm: 1 sec – 59 minutes |
| Alarm event actions | Various alarm log including video loss, stop recording, schedule, logon, operation log |
| Digital output | Controllable via IP cameras |
| Keyboard Keypad | PIH-931D keyboard controllable via rs-485 for PTZ, ePTZ, and ROI features |
| Audio | PCM, two-way audio, audio recording |
| POS / barcode scanner/barcoder scanner | PS/2 |
| Protocols | ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF |
| Mobile phone | LILINViewer, iPhone and Android |
| IP Scan | Supported, easy-to-setup for IP address |
| VMS | Support NAV Client VMS software |
| eMap | Supported |
| CE | Yes |
| FCC | Yes |
| CPU | Intel® Core™ i7-7700 Processor |
| RAM | 2 x DDR4 8GB |
| Chipset | Intel® H270 |
| Display card | Intel® HD Graphics 630 |
| Audio (Hardware) | 5 x Audio jack(s), 1 x S/PDIF |
| USB port of front panel | 1 x USB 2.0 |
| USB port of rear panel | 6 x USB 3.0 |
| System FAN | 2 x 60mm rear exhaust fans |
| Raid control | MegaRAID SAS 9361-8i |
| Raid mode | RAID 0, 1, 5, 6, 10, 50 |

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| SSD HDD | 1 x SATA 120GB SSD (OS System) 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. |
| WDT | NAV failover / NAV monitoring station |
| DST | Daylight saving time by Windows OS |
| Languages | English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese |
| OS | Windows 10 embedded |
| Power Consumption | 500W Power Supplies 80 PLUS Gold |
| Power Supply | 110V~240V |
| Operating temperature | 0°C~60°C (32°F~140°F) |
| Storage temperature | 0°C~70°C (32°F~158°F) |
| Storage Humidity | 0%~90% |
| Dimensions | 438 mm x 450 mm x 88 mm |
| Weight | 23.14 lbs (10.50kg) |