

# NAV24036

## NAV 36CH RECORDER



### Features

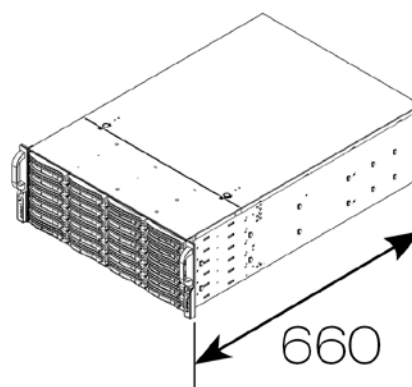
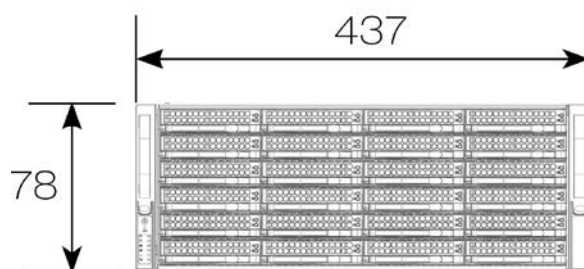
- ▶ ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs are supported.
- ▶ Up to 36 channels 1080P/3M/4M/5M/8M Network streaming, recording, and display
- ▶ Built-in hardware RAID system, support up to 24 x 3.5" hot-swap HDDs.
- ▶ Failover, video achieve, record file sync. and SmartSearch support.
- ▶ Dual streamings decoding mode supported
- ▶ Support multi-channels playback/record file backup for remote or local.
- ▶ Built-in dual port Gigabit Ethernet.

LILIN NAV24036 36 Channel Recorder supports LILIN IP cameras, PTZ domes, and DVRs/NVRs. The recorder features up to 36 channels 1080P/3M/4M/5M/8M network streaming, recording, and display, built-in dual port Gigabit Ethernet, and dual monitors support. It also supports multi-channels playback for remote or local. NAV24036 is capable of supporting multi-camera installations where LILIN cameras are installed, and NAV delivers a solid surveillance platform with offering all the basic features, as well as some of the more advanced ones that a basic security system requires.

ePTZ feature and ePOS integration are also provided for free of charge. The maximum video speed can perform 3,840X2,160 at 30 frames per second, and support up to 2 monitors. Keyboard is controllable via RS-485 for PTZ, ePTZ, and ROI region of interest features. Two-way audio and recording are available.

### Dimensions (unit in mm):

178 x 437 x 660mm



| NAV 36CH RECORDER      |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| NAV 36CH RECORDER      |                                                                                                                                  |
| Model                  | NAV24036                                                                                                                         |
| Network video support  | ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server                                                   |
| Network video input    | Up to 36 channels at 1080P/3M/4M/5M/8M                                                                                           |
| Network video format   | H.264 / MJPEG                                                                                                                    |
| Max Network throughput | Max. 500 Mbps download and 500 Mbps upload speed                                                                                 |
| HDD disk               | Hot-swap 3.5" SATA HDD x 24                                                                                                      |
| Recording              |                                                                                                                                  |
| Schedule               | 7 days x 24 hrs time table, recording mode configurable                                                                          |
| Recording mode         |                                                                                                                                  |
| 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   | 3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240                                    |
| Alarm recording        | Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)                                         |
| Audio recording        | Yes                                                                                                                              |
| Circular recording     | Yes / size customizable                                                                                                          |
| Limited recording      | Yes / days customizable                                                                                                          |
| Video archiving        | Yes                                                                                                                              |
| Low bitrate recording  | Yes                                                                                                                              |
| Remote Network raid    | Yes                                                                                                                              |
| Playback               |                                                                                                                                  |
| Search                 | Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging                                  |
| Resolution             | 3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240                                    |
| Video speed            | Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps                                                                  |
| 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                                       |
| Backup                 | Max. 36 channels, AVI file format supported                                                                                      |
| Remote video           | NAV Server/Navigator Client/DVR/NVR/IP camera SD card supported, max. 36 channels                                                |
| Video input            |                                                                                                                                  |
| Support quantity       | Max. 36 channels                                                                                                                 |
| Camera name            | 20 characters                                                                                                                    |
| Channel editing        | Mouse drag-n-drop                                                                                                                |
| Digital zoom           | Yes, ePTZ supported                                                                                                              |
| Grouping               | User grouping authentication assignable for eMap, and Navigator 2.0                                                              |
| Remote monitoring      | Yes                                                                                                                              |
| Video output           |                                                                                                                                  |
| HDMI output            | x 2                                                                                                                              |
| DVI output             | x 1                                                                                                                              |
| TV wall                | Dual screen, max. 36 channels                                                                                                    |
| Split screen           | 4, 9, 16, 25, 36                                                                                                                 |
| Dual stream technology | Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution                                                  |
| Multi-screen           | Dual-screen                                                                                                                      |
| Video archiving        |                                                                                                                                  |
| Video archiving & sync | Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card. |

| Alarm / event         |                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm management      | Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall                                                                                                                         |
| Alarm recording       | Pre-alarm:1 – 5 seconds and post-alarm: 5 – 50 seconds                                                                                                                                                                                            |
| Event                 | Various alarm log including video loss, stop recording, schedule, logon, operation log                                                                                                                                                            |
| Digital output        | Controllable via IP cameras                                                                                                                                                                                                                       |
| Accessories           |                                                                                                                                                                                                                                                   |
| Keyboard              | PIH-931D keyboard controllable via rs-485 for PTZ, ePTZ, and ROI features                                                                                                                                                                         |
| Audio                 | PCM, two-way audio, audio recording                                                                                                                                                                                                               |
| PoS/barcode scanner   | PS/2                                                                                                                                                                                                                                              |
| Protocols             | ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE                                                                                                                                                                                                          |
| Mobile phone          | LILIN Pro, iPhone and Android                                                                                                                                                                                                                     |
| IPScan                | Supported, easy-to-setup for IP address                                                                                                                                                                                                           |
| Hardware              |                                                                                                                                                                                                                                                   |
| CPU                   | Intel® Core™ i3-6100 Processor                                                                                                                                                                                                                    |
| RAM                   | 4GB DDR4-2133 x2, extendable up to 64GB                                                                                                                                                                                                           |
| Chipset               | Intel® Q170 Chipset                                                                                                                                                                                                                               |
| Display card          | Intel® P530                                                                                                                                                                                                                                       |
| USB port              | USB 3.0 x 10                                                                                                                                                                                                                                      |
| Slim DVD-ROM          | x1                                                                                                                                                                                                                                                |
| System FAN            | 80mm hot-swap PWM fans x 3 / 80mm rear exhaust fans x 2                                                                                                                                                                                           |
| Raid control          | LSI SAS 9260-4i RAID / On chip                                                                                                                                                                                                                    |
| Raid mode             | LSI Hardware, RAID 0, 1, 5,6, 10, 50, 60                                                                                                                                                                                                          |
| SSD HDD               | 120GB SATA3 SSD x1<br>(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                 |                                                                                                                                                                                                                                                   |
| Watch dog             | NAV failover / NAV monitoring station                                                                                                                                                                                                             |
| DST                   | Daylight saving time by Windows OS                                                                                                                                                                                                                |
| Language              | English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, Simplified Chinese, Czech, Slovene, German                                                                                                                             |
| OS                    | Windows embedded standard 7                                                                                                                                                                                                                       |
| Power and environment |                                                                                                                                                                                                                                                   |
| Power supply          | 920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp                                                                                                                                                                              |
| Operating environment | Operating temperature range 5°C – 35°C (41°F - 95°F), Non-Operating temperature range -40°C – 70°C (-40°F – 158°F) Operating relative humidity range 8% – 90%, (non- condensing), Non-operating relative humidity range 5% – 95% (non-condensing) |
| Dimension (HxWxD)     | 178 x 437 x 660mm                                                                                                                                                                                                                                 |
| Color                 | Black                                                                                                                                                                                                                                             |
| Weight                | 79.3 lbs (36kg)                                                                                                                                                                                                                                   |

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